Regional Plan for the Public Safety 700 MHz Band in Region 43 (Washington)

As Adopted for Transmittal to the FCC on January 26, 2005

www.region43.org

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Preamble

In order to help alleviate major wireless radio congestion, the Federal Communication Commission (FCC) has released 60 MHz of television broadcast spectrum – channels 60-69 (746-806 MHz) for use by land mobile radios. In addition to alleviating the congestion for wireless radio systems, the FCC also hoped to provide public safety access to new technologies that may require additional use of bandwidth, and promote interoperability. To accomplish these goals, the FCC allocated this spectrum as follows: 24 MHz for public safety, 30 MHz for commercial use, and 6 MHz for guard bands.

Within the 24 MHz of spectrum for public safety, the following is a breakdown of how that bandwidth can be used:

- 2.6 MHz allocated for interoperability
- 12.6 MHz allocated for general use
- 2.4 MHz state license
- 6.4 MHz reserved

The Regional Planning Committee (RPC) is tasked with the administration and management of the 12.6 MHz general use spectrum. Washington State has a State Interoperability Executive Committee who is tasked with the administration and management of the interoperability and state license spectrum.

Section 1 – Regional Planning Committee Leadership

At the time of adoption and transmittal, the following individuals serve in leadership roles in the Region 43 Regional Planning Committee (RPC):

Chairperson	Kevin Kearns King County Information and Telecommunications Services 700 5th Avenue, Suite 2300 Seattle, WA 98104-5002 Phone: 206-296-0660 Email: kevin.kearns@metrokc.gov
Vice-Chairperson	Terry Miller Washington State Department of Transportation PO Box 47359 Olympia, WA 98504-7359 Phone: 360-705-7019 Email: millert@wsdot.wa.gov

Secretary	Jon (Wiz) Wiswell City of Seattle PO Box 94709 700 5th Avenue, Suite 2700 Seattle, WA 98124-4709 Phone: (206)386-1215 Email: jon.wiswell@seattle.gov
	Cammie Enslow King County Sheriff's Office 401 4th Avenue N., SO104 Kent, WA 98032 Phone: (206) 205-2973 Email: cammie.enslow@metrokc.gov
Treasurer	Ron Solemsaas Snohomish County Emergency Radio System (SERS) 1121 SE Everett Mall Way, Suite 210 Everett, WA 98208 Phone: (425) 407-3949 Email: rsolemsaas@sers800.org

From time to time, as described in the RPC By-Laws, these positions will be subject to re-election. At any such time that one of these four positions changes hands, the Chair will be responsible for taking the following actions:

- Providing notice to the FCC of the changes
- Providing notice to the NPSTC Support Office of the changes
- Modifying the Region 43 web site (www.region43.org) to reflect the changes

Such changes will not be considered Plan modifications, and will not require that this document be reissued to the FCC for public notice and comment cycles.

Section 2 – Regional Planning Committee Membership

Appendix C of this Plan lists all meeting dates and locations and Appendix D lists the Voting and Non-Voting membership in the Region 43 RPC and the meetings they have participated in up to the point that this Plan was submitted to the FCC for approval. Individuals from agencies across the State of Washington representing approximately 75% of the State's population participated in developing Region 43's 700 MHz Plan. Region 43's membership includes city, county, special purpose districts and state agencies; fire, police, EMS municipal transit and utilities. Appendix E of this Plan lists all

individuals who subscribed to the Region 43 email listserver. Minutes of all meetings are posted on the Region 43 web site (www.region43.org). The meeting attendance roster will be kept current for all future meetings after Plan submittal and posted on the Region 43 web site.

Section 3 – Description of the Region

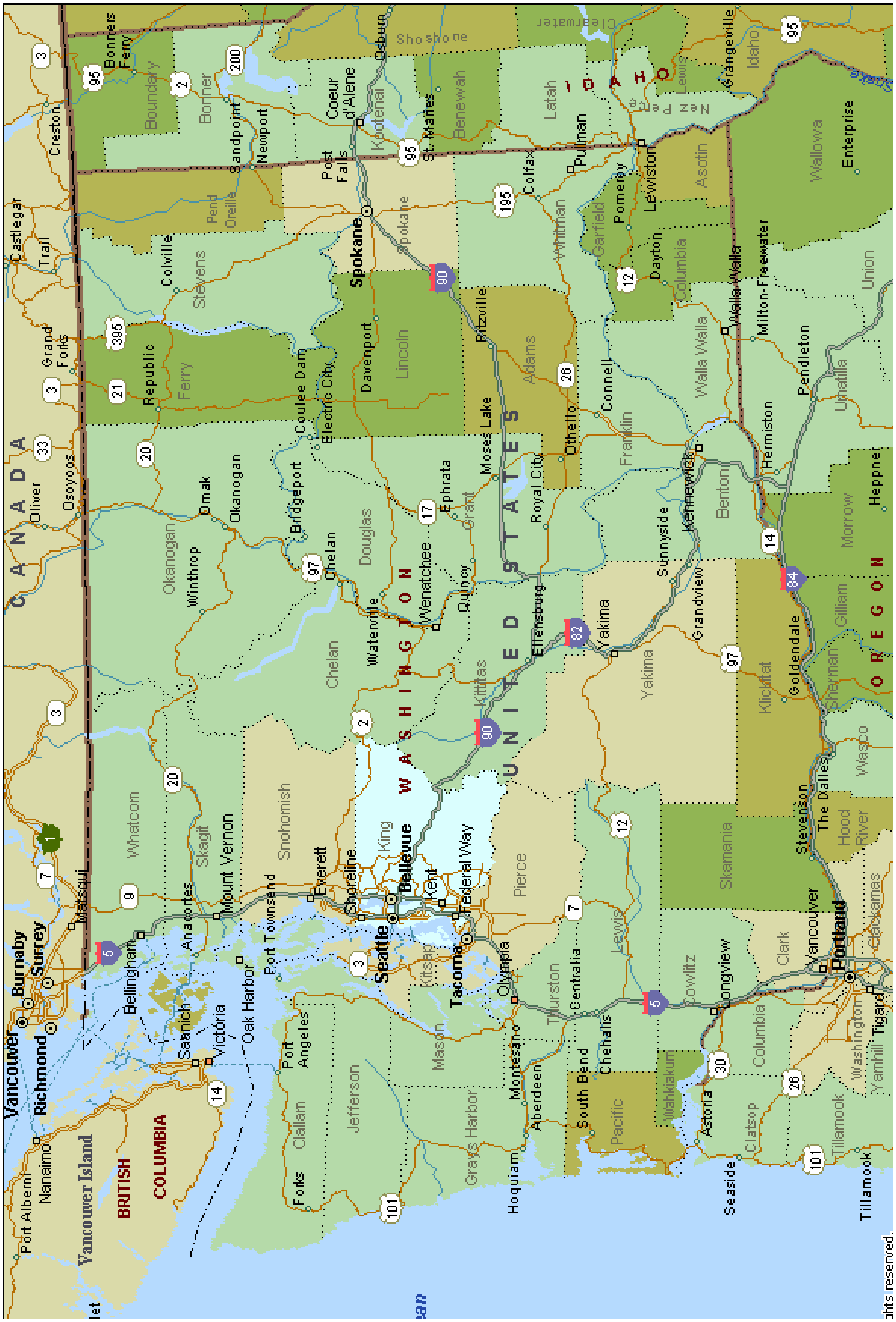
3.1 General Description

The State of Washington is a single planning region (Region 43) for both the 700 MHz and 800 MHz public safety bands. Region 43 is bordered by Canada on the North, the Pacific Ocean on the West, the State of Idaho (Region 12) to the East, and the State of Oregon (Region 35) to the South.

The Cascade Mountains divide the state into western and eastern halves that have uniquely different population distributions, economic conditions and climates. While much of the state is composed of wilderness or rural areas, there are significant areas of urban and sub-urban development as well. Most of these are in the western portion of the state, and the most significant of these is in the Puget Sound basin, from Olympia (the state capitol) in the south to Everett in the north.

Seattle (King County) is the largest city in this region and along with the cities of Tacoma (Pierce County), Bellevue (King County) and Everett (Snohomish County) make up a metropolitan area that is the most significant economic engine in the state. Other key urbanized areas in the western portion of the state include the Bellingham (Whatcom County) area near the Canadian border and the Vancouver (Clark County) area, which is a part of the Portland metropolitan area.

The eastern portion of the state is significantly more rural and agricultural in character than the western side of the state. The largest urban area is anchored by the city of Spokane (Spokane County) and other semi-urban pockets exist in Yakima (Yakima County) and the "tri-cities" area of Richland, Pasco and Kennewick (Benton and Franklin Counties).


C A N A D A
U N I T E D S T A T E S
W A S H I N G T O N
O R E G O N
I D A H O
BRITISH
COLUMBIA
Vancouver Island
Vancouver
Richmond
Burnaby
Surrey
Nanaimo
Port Alberni
Victoria
Saanich
Bellingham
Anacortes
Mount Vernon
Everett
Shoreline
Seattle
Bellevue
Kent
Federal Way
Tacoma
Olympia
Port Townsend
Port Angeles
Oak Harbor
Forks
Aberdeen
Hoquiam
Montesano
Centralia
Chehalis
South Bend
Longview
Astoria
Seaside
Tillamook
Vancouver
Portland
Tigard
Stevenson
The Dalles
Goldendale
Yakima
Ellensburg
Wenatchee
Chelan
Ephrata
Moses Lake
Quincy
Royal City
Othello
Ritzville
Spokane
Coeur d'Alene
Post Falls
Sandpoint
Newport
Colville
Republic
Omak
Okanogan
Winthrop
Bridgeport
Coulee Dam
Electric City
Davenport
Waterville
Pullman
Colfax
Lewiston
Pomeroy
Dayton
Walla Walla
Milton-Freewater
Kennewick
Connell
Sunnyside
Grandview
Hermiston
Pendleton
Heppner
Enterprise
Grangeville
Osoyoos
Oliver
Grand Forks
Trail
Castlegar
Creston
Bonners Ferry
St. Maries
Osburn
Whatcom
Skagit
Snohomish
King
Pierce
Kitsap
Mason
Thurston
Lewis
Pacific
Wahkiakum
Cowlitz
Clark
Skamania
Klickitat
Yakima
Kittitas
Chelan
Douglas
Okanogan
Ferry
Stevens
Pend Oreille
Lincoln
Grant
Adams
Franklin
Benton
Walla Walla
Columbia
Garfield
Asotin
Whitman
Spokane
Jefferson
Clallam
Grays Harbor
Clatsop
Columbia
Washington
Yamhill
Clackamas
Hood River
Wasco
Sherman
Gilliam
Morrow
Umatilla
Union
Wallowa
Boundary
Bonner
Kootenai
Benewah
Shoshone
Latah
Nez Perce
Clearwater
Idaho
Lewis
ghts reserved.

There are 39 counties in the state with populations indicated in the table below:

	2000 Census	2002 Estimate	% of Total State 2002 Population
Washington Total	5,894,121	6,068,996	
King County	1,737,034	1,759,604	28.99%
Pierce County	700,820	732,282	12.07%
Snohomish County	606,024	633,947	10.45%
Spokane County	417,939	427,506	7.04%
Clark County	345,238	370,236	6.10%
Kitsap County	231,969	236,174	3.89%
Yakima County	222,581	224,823	3.70%
Thurston County	207,355	217,641	3.59%
Whatcom County	166,814	174,362	2.87%
Benton County	142,475	150,366	2.48%
Skagit County	102,979	106,906	1.76%
Cowlitz County	92,948	94,514	1.56%
Grant County	74,698	77,983	1.28%
Island County	71,558	75,050	1.24%
Lewis County	68,600	69,710	1.15%
Grays Harbor County	67,194	68,470	1.13%
Chelan County	66,616	67,050	1.10%
Clallam County	64,525	66,302	1.09%
Walla Walla County	55,180	56,149	0.93%
Mason County	49,405	51,008	0.84%
Franklin County	49,347	52,745	0.87%
Whitman County	40,740	40,631	0.67%
Stevens County	40,066	40,556	0.67%
Okanogan County	39,564	39,186	0.65%
Kittitas County	33,362	34,370	0.57%
Douglas County	32,603	33,409	0.55%
Jefferson County	25,953	26,761	0.44%
Pacific County	20,984	20,778	0.34%
Asotin County	20,551	20,453	0.34%
Klickitat County	19,161	19,381	0.32%
Adams County	16,428	16,434	0.27%
San Juan County	14,077	14,565	0.24%
Pend Oreille County	11,732	12,008	0.20%
Lincoln County	10,184	10,096	0.17%
Skamania County	9,872	10,049	0.17%
Ferry County	7,260	7,268	0.12%
Columbia County	4,064	4,103	0.07%
Wahkiakum County	3,824	3,793	0.06%
Garfield County	2,397	2,327	0.04%

Source: http://eire.census.gov/popest/data/counties/tables/CO-EST2002-ASRO-01-53.xls

3.2 Existing Interoperability and Mutual Aid Systems

There are a significant number of established, non-700 MHz Interoperability systems and standards in place within Washington State. The listing below is relatively complete and provides users of this plan information about non-700 MHz Interoperability opportunities in the Region. Details regarding planned Interoperability in the 700 MHz band is included in Section 6 of this document.

- **Law Enforcement Radio Network (LERN) –** 155.370 MHz is a common police radio frequency for statewide use by state and local law enforcement agencies during periods of local disaster, other emergencies, or operations requiring intra or inter agency coordination. LERN consists of two frequencies within the State of Washington. The frequency 155.370 MHz is designated as the primary LERN frequency and is operated in a 'simplex' mode.

- **National Law Enforcement Network (NLEC)** – 155.475 MHz, is a national law enforcement frequency available for use in police emergency communications networks operated under statewide law enforcement emergency communication plans. The LERN plan serves as Washington state's statewide law enforcement emergency communication plan. LERN consists of two frequencies within the State of Washington. The frequency 155.475 MHz is designated as the secondary LERN frequency.

  NLEC (155.475 MHz) has been licensed statewide by the Washington State Patrol as dictated by the LERN plan. Only the Washington State Patrol is authorized to license and operate base stations on 155.475 MHz. With approval of the LERN Advisory Committee, local agencies may gain authorization to operate on 155.475 MHz. in compliance with the LERN plan. NLEC (155.475 MHz) has three defined levels of traffic priority. An agency desiring to participate in LERN shall address a letter to the chairman of the LERN Advisory Committee, who shall provide the agency with a copy of LERN rules, application agreement, and applicable FCC license forms. (See also 155.370 MHz – LERN)

- **On-Scene Command and Coordination Radio (OSCCR)** – 156.135 MHz, is managed by the state Emergency Management Division (EMD) through a mutual planning agreement with APCO and Washington State Department of Transportation (WSDOT). Authorization to use OSCCR must be requested through EMD. This is a mutual aid channel to be used by state and local public safety agencies at the scene of an incident using only mobiles and/or portables.

- **Comprehensive Emergency Management Network (CEMNET)** – CEMNET is a low-band VHF radio network that serves as back-up emergency communications between local EOCs and the State EOC. It also supports day-to-day requirements of the State Department of Ecology and other agencies as

needed. The three primary channels that are monitored on a 24-hour basis at the State EOC are F1 – 45.20 MHZ, F2 – 45.36 MHz, and F3 – 45.48 MHz.

- **FIRECOM / REDNET** – 153.830 MHz, is managed by the Washington State Fire Chiefs Association. Authorization to use FIRECOM/REDNET must be requested through the association. This is a mutual aid channel, which can be used by fire districts and departments for command, control, and coordination at the scene of a incident.

- **DNR Common** – 151.415 MHz is managed by the state Department of Natural Resources (DNR). Authorization to use DNR Common must be requested through the appropriate DNR Region or Division manager to the DNR Radio System Manager. State Parks & Recreation, state Department of Ecology, state Fish & Wildlife, and US Forest Service are primary users of the channel. Local jurisdiction authorization is usually only granted for use on an emergency basis primarily for mutual support between local fire districts and DNR.

- **Search and Rescue (SAR)** – 155.160 MHz, is managed by the state Emergency Management Division (EMD). Authorization to use SAR must be requested through EMD. This is a mutual aid channel to be used only when conducting search and rescue operations using only mobiles and portables.

- **NPSPAC 800 MHz Interoperability Channels** – In addition to the nationally adopted ICALL and ITAC channels in the NPSPAC band, Region 43 further identified a set of five (5) channels that could be used for on-scene tactical purposes in a simplex mode or on temporary low-power repeaters for significant events. The Plan further identifies operational practices to be followed in using both the national channels and these regional channels. Full details should be read in the Region 43 NPSPAC plan, which can be found in the 800 MHz section of **www.region43.org** .

National Calling Channel (ICALL):	821/866.0125 MHz (Chan. 601)
National Working Channel (ITAC-1):	821/866.5125 MHz (Chan. 639)
National Working Channel (ITAC-2):	822/867.0125 MHz (Chan. 677)
National Working Channel (ITAC-3):	822/867.5125 MHz (Chan. 715)
National Working Channel (ITAC-4):	823/868.0125 MHz (Chan. 753)

Note 1: The ICALL channel shall be used to contact other users in the Region for the purpose of requesting incident related information and assistance. If necessary, the calling party will be asked to move to one of the ITAC channels for continuing incident operations or other interoperability communication needs. This channel can be implemented in full repeat mode.

Note 2: The ITAC channels are to be used primarily for coordination activity between different agencies in a mutual aid situation, or emergency activities of a single agency. Incidents

requiring multi-agency participation will be coordinated over these channels by the agency controlling the incident. These channels can be implemented in full repeat mode.

Region 43's Tactical Channels are identified with intended primary uses but all channels are available for all public safety functions if incident conditions warrant.

STATEOPS-1 – Fire/EMS	822/867.5375 MHz (Chan. 716)
STATEOPS-4 – Fire/EMS	822/867.6125 MHz (Chan. 722)
STATEOPS-2 – Law Enforcement	822/867.5625 MHz (Chan. 718)
STATEOPS-5 – Law Enforcement	822/867.6375 MHz (Chan. 724)
STATEOPS-3 – General Government	822/867.5875 MHz (Chan. 720)

Note 3: The STATEOPS-1 through 5 are to be used only in the "simplex" mode using the repeater output frequency, for interoperability and other "repeater talk-around" needs. STATEOPS-3 will be implemented in simplex mode on the repeater output frequency (867.5875 Mhz). Fixed base stations and fixed mobile relay stations are prohibited on these tactical channels. Temporary portable mobile relay stations with the minimum required power shall be permitted. STATEOPS channels are "primarily or recommend" to be used by the intended services but it isn't a hard requirement.

- **King County Mutual Aid Radio System (KC MARS)** – King County operates a network of simulcast VHF and UHF repeaters that are cross-patched to a Talkgroup on their countywide 800 MHz trunked radio system. This allows conventional VHF and UHF radio users to have interoperable communications with all law enforcement (and many fire) agencies that use the trunked system.
  - The VHF channel pair is 154.650 MHz for repeater input and 155.190 MHz for repeater output. CTCSS tone 100.00 Hz is used.
  - The UHF channel pair is 465.550 MHz for repeater input and 460.550 MHz for repeater output. CTCSS tone 103.5 Hz is used.

- **MEDCOM** - The UHF MEDCOM channels are in use across Washington State to support hospital to hospital, EMS medical control and aeromedical communications, in addition to itinerant EMS operations. Systems implemented in the 700 MHz band should include these unique requirements into their system designs, and where possible provide cross patching to locally implemented MED channels to meet these interoperability needs within their region.

- **Hospital Emergency Administrative Radio (HEAR)** – 155.340 and 155.280 MHz are common channels used by hospitals for communication with ambulance services for medical control. This channel can be used while at the scene or enroute to the emergency medical facility. Licensing for use of this channel is requested through the Federal Communications Commission (FCC).

- **Inter-System Patching** – In addition to the various Interoperability capabilities listed above, many of the large 800 MHz trunked radio systems in the state, most notably those in King County, Snohomish County, Clark County, Benton County, and the City of Tacoma, have numerous cross-band patching capabilities between their trunked systems and one or more of these lower-band Interoperability channels. This allows users across these bands to achieve Interoperable communications, as long as the common channels and coverage areas are adequately identified with the established incident management structure and patches are effectively executed by dispatch centers.

The State Interoperability Executive Committee (SIEC) was tasked with the responsibility to conduct an inventory and assessment of interoperability in the state. The following language is extracted from the enabling legislation, Substitute House Bill 1271.

> NEW SECTION. **Sec. 5.** A new section is added to chapter 43.105 RCW to read as follows:
> (1) The state interoperability executive committee shall take inventory of and evaluate all state and local government-owned public safety communications systems, and prepare a statewide public safety communications plan. The plan must set forth recommendations for executive and legislative action to insure that public safety communications systems can communicate with one another and conform to federal law and regulations governing emergency communications systems and spectrum allocation. The plan must include specific goals for improving interoperability of public safety communications systems and identifiable benchmarks for achieving those goals.
>
> (2) The committee shall present the inventory and plan required in subsection (1) of this section to the board and appropriate legislative committees as follows:
>
> (a) By December 31, 2003, an inventory of state government-operated public safety communications systems;
> (b) By July 31, 2004, an inventory of all public safety communications systems in the state;
> (c) By March 31, 2004, an interim statewide public safety communications plan; and
> (d) By December 31, 2004, a final statewide public safety communications plan.
>
> (3) The committee shall consult regularly with the joint legislative audit and review committee and the legislative evaluation and accounting program committee while developing the inventory and plan under this section.

The SIEC operates a web site where information on the above referenced documents and other SIEC information is maintained. http://isb.wa.gov/siec/

3.3 Impacts on Existing Plans as a Result of Adding 700 MHz Interoperability Channels

Without question, many areas within Region 43 have a desperate need for additional spectrum to meet their operational needs. We expect several areas, particularly the heavily populated Puget Sound area, to make extensive use of this band as new or expanded systems are brought on line to meet pent-up demand. However, the addition of further systems in yet another frequency band will likely increase our overall interoperability challenges rather than lessen them. While in some circumstances we may see existing systems being replaced by 700 MHz systems, in many others we will see 700 MHz system added to the mix of communications options available in the area.

Therefore, it will be extremely important as new 700 MHz systems are planned and deployed for the sponsors of those systems to be well informed of other legacy systems in all other bands that are operating in their area, or in locations where they may be called upon to render mutual aid assistance. Since we will likely never see the day where all public safety communications systems operate in a single band and under a single technology, only good interpersonal communications and good system planning will allow us to sustain reasonable levels of interoperability in an ever more complex environment.

The most common strategy that has been followed in the past, and this Plan anticipates will be followed in system deployments in this band, is the concept of new systems incorporating appropriate interoperability into their plans and designs, instead of expecting legacy systems to figure out how to operate with the new-comers. It is not enough for the new systems to meet the interoperability requirements within the Plan for that band (700 MHz or 800 MHz); they also need to provide mechanisms to interoperate with VHF and UHF users to a level that is appropriate for their operations.

Typically this is accomplished through some mix of fixed infrastructure or transportable equipment that can accomplish cross-band and cross-system patches. These approaches have proven to be effective in meeting many interoperability needs within this region and across the country, and this Plan anticipates further deployment of these technologies as systems are implemented in the 700 MHz band.

Fortunately in Washington State we also have a formal SIEC process that is already working on the challenges of defining interoperability strategies across these various technologies and the diverse topography of our state. The SIEC has specifically set up their mission to deal with interoperability across all bands and all public safety services, so they are perfectly positioned to help facilitate the appropriate levels of dialog and planning as new systems are developed in any band.

3.4 Overview of Public Safety Entities in the Region

Washington State has a long history of a somewhat populist culture in which the number of local government bodies tends to multiply. The following is a brief

description of the most predominant entities in the Region that will need to be accommodated by this Plan in some fashion.

3.4.1 Federal Agencies

The Region has the typical presence of federal public safety agencies with added presences by some agencies due to the significant number of international ports and our border with Canada. There is also a significant military presence in the Region with multiple large bases from all military branches. Due to the significant amount of State and Federal forest lands and national parks in the Region, there is also a significant amount of interaction between state and local fire agencies and the various federal agencies involved in fire suppression activities.

3.4.2 State Agencies

The Washington State Patrol, Washington State Department of Transportation and the Washington State Department of Natural Resources all play significant roles in providing public safety services. Additional State agencies have roles in providing public safety services to residents of the State of Washington. The Emergency Management Division of the Military Department is responsible for providing statewide coordination of resources during extreme emergency or disaster conditions.

3.4.3 County Agencies

The most significant public safety function of each county is its Sheriff's Office. County Sheriffs are directly elected public officials in all 39 counties, and are generally responsible for law enforcement in the unincorporated areas of the counties and in some incorporated cities under contracted services arrangements. Counties are also responsible for operating public health programs and some extend this into providing basic and advanced life support services directly to the public.

There are also the normal array of other governmental services offered by counties that contribute to the public safety, including the operation of public works and roads agencies, surface water management functions, water systems, sewage and sewage treatment systems, bus and transportation systems, etc.

3.4.4 City Agencies

The police department is the most common public safety service provided by incorporated cities. Many cities also operate a fire department and typically these fire departments offer basic life support (and occasionally advanced life support)

EMS services. Some cities have not formed fire departments and instead receive fire protection from fire protection districts that often pre-date the formation of the city and have larger jurisdictional boundaries than the cities. Cities also often provide services such as roads and public works functions.

3.4.5 Special Purpose Districts

There are a considerable number of special purpose districts in Washington State. The most common of these are fire protection districts, school districts, water districts and sewer districts, but there are also hospital districts, port districts, electric districts, library districts, weed districts, etc. These special districts often have jurisdictional boundaries that are quite large and often surround one or more incorporated cities. They are typically led by a 3 to 5 member board of commissioners who are directly elected by the public in the district.

3.4.6 Tribal Lands

There are 29 federally recognized tribes in the State of Washington. Historically, all federally recognized tribes in the United States have been considered sovereign in their own lands, maintaining a government-to-government relationship with federal and state governments. Tribes residing on reservations are eligible to receive benefits and services from the Bureau of Indian Affairs (BIA) and the Indian Health service (IHS), such as assistance with the development of tribal governments and courts, resource management, educational grants and programs, housing programs and medical and dental care. Most tribes maintain an independent government with a constitution and bylaws. Tribal Councils establish laws, enforce tribal ordinances and may elect a business committee to manage real property and other assets. Many maintain a reservation police force and a tribal court including a chief judge and associate justices.

The Governor's Office of Indian Affairs (GOIA) was established in 1969 and serves as a liaison between state and tribal governments. Recognizing tribal sovereignty and the government-to-government relationship and principles identified in the Centennial Accord, the office works with the state to promote tribal self sufficiency and serves tribal governments in an advisory, resource, consultation, and educational capacity. The GOIA website provides links to an event calendar, historical and treaty information, information on tourism, cultural and economic information, a tribal directory, FAQs and related links and resources. The website home page may be accessed at www.goia.wa.gov .

3.4.7 E-911 and PSAPs

For supporting 9-1-1 services, the State of Washington has established a fully enhanced system which allows the public safety answering points (PSAP) to know the address and location of the 9-1-1 caller when making a call through the local exchange telephone network. There are 64 primary PSAPs within the state, including the Washington State Patrol. The state is also addressing the need for wireless 9-1-1 service. Wireless enhanced 911 service is broken down into Phase I and Phase II service. With Phase I service the call back number and cell sector is displayed in the PSAP for 911 calls. Phase II service provides the call back number and the latitude and longitude of the 911 caller.

In addition to providing 9-1-1 service, designated PSAPs also serve as National Warning System (NAWAS) warning points and Emergency Alert System (EAS) entry points.

Section 4 – Information and Notification Process

The Region 43 regional planning process for the 700 MHz band was officially convened on November 14, 2000 in a meeting held at the King County Emergency Management Division, 7300 Perimeter Road South, Seattle, Washington, 98108. Kevin Kearns, Chair of the Region 43 NPSPAC 800 MHz Regional Review Committee, served as the Convener. This meeting was properly Noticed by the FCC under DA 00-2250 published on October 3, 2000.

Since NCC action was still underway at this time, the RPC realized it would only be engaging in fact-finding and information building until final NCC action was completed and FCC rules established. Therefore, subsequent meetings of the RPC were announced via various mechanisms, but few were put on Notice to the FCC. Established emailing lists for the Region 43 800 MHz process were all advised of 700 MHz meetings, as were known interested parties such as the state APCO Chapter, Police and Fire Chiefs Associations, etc.

A web site was established for the region (www.region43.org) and all meeting agendas and minutes were posted on that web site, as well as key resource documents and links to other web sites and web documents. Further, an information sheet was developed that was posted on the web site and provided to vendor representatives to distribute while making sales visits to customers throughout the state. All of this was done in an effort to raise awareness of the availability of the 700 MHz band and the existence of a regional planning process.

Finally, the web site provides a tool on the home page that would allow any interested party to sign up for a listserver function (region43700mhz@metrokc.gov). Every meeting announcement, resource documents, discussion threads and other information were circulated through this list for the broadest possible transfer of information. A

listing of the listserver members at the time this Plan was filed with the FCC for approval is provided in Appendix E.

Further efforts to increase awareness and visibility for the planning process included:

- Posting information and a web link on the web site of the Washington Chapter of APCO (http://www.apcowa.org/links.htm).
- Emailing the information flyer to the Washington APCO listserver as an attachment to an email message encouraging participation.
- Posting a web link on the Western Washington Cooperative Interference Committee (WWCIC) web site (http://www.wwcic.org/links.html).
- Distributing the information flyer at the Washington APCO annual conference in June 2003 to conference attendees.
- Making a presentation on the regional planning process to the WWCIC meeting in June 2003 in Blaine, WA, near the Canadian border. This meeting was also attended by a number of Canadian participants, which expanded their awareness of our planning efforts in Region 43 in specific and in the U.S. in general.
- Making a presentation on the regional planning process at the Pacific Northwest Digital Government Summit in August 2003 in Seattle, WA. This conference was attended by numerous government technology officials from around the Northwest and the presentation was geared to make sure they were aware of the licensing opportunities in this band and how to get engaged in the planning process in their state.
- Distributed copies of the information flyer to an email list provided by the Pacific Northwest Indian Fisheries Commission in November 2003.
- Making a presentation at the APCO Western Regional conference in March 2004 in Spokane, WA. This provided an opportunity to broaden the awareness of regional planning efforts in this band to attendees from many western states. http://www.region43.org/docs/700mhz/APCOWesternRegionalMarch2004.ppt
- Publishing notices of RPC meetings with the FCC http://wireless.fcc.gov/publicsafety/700MHz/regions/region43.html
- Sending these same notices to a broad distribution list including public safety and governmental associations across the state.

The Outreach Committee's tracking forms are also included in Appendix E.

In late 2003, the RPC determined that sufficient information was in hand to allow us to take the draft plan document we'd been slowly working on and move it through completion, broadly advertised regional review and scrutiny, coordination with neighboring regions (Region 12 – Idaho and Region 35 – Oregon) and ultimate submission to the FCC for approval. On February 4, 2004, under DA 04-275, we gave Notice of our planning schedule through June 2004.

At the March 4, 2004 meeting a near-final Draft version of the Plan (referred to as Draft Version 6) was reviewed. Comments taken in this meeting related to the Interoperability section were reduced to a written recommendation to the SIEC for language changes/revisions since the SIEC has asserted jurisdiction over the Interoperability aspects of this Plan.

An Outreach Workgroup was formed at the January 28, 2004 RPC meeting with the goal of increasing awareness of the allocation of 24 MHz of spectrum in the 700 MHz band for use by public safety agencies, and the efforts of the regional planning group to govern and manage this spectrum. The group identified approximately two-dozen agencies of interest and created a database of contact information, including contact names, phone and fax numbers, email addresses and websites. Each agency was contacted by email, phone and/or fax with a request to distribute Region 43 RPC meeting information to its members, and to post it on the agency website. Additionally, links were included to the meeting notification posted on the FCC website, and to the Region 43 website, with instructions for joining the listserver to receive meeting minutes and information on ongoing RPC activities.

As agencies responded, a notification actions log was created detailing notification group milestones, and notification emails, phone calls and faxes including the activity date, sender and recipient. Additionally, as optimal contact information was identified, an email distribution list was created and shared to expedite future notifications.

On December 3, 2004, the RPC filed with the FCC our meeting schedule for December 2004 and the 1st Quarter of 2005 and advised in that notice our intention to move this plan to completion at our January 26, 2005 meeting.
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-04-3827A1.pdf

At the December 15, 2004 meeting of the RPC, Plan Draft Version 11 was reviewed and minor edits were incorporated into what is called our Final Draft. This Final Draft was circulated to the RPC listserver and posted on the Region 43 web site on December 23, 2004. It was also formally transmitted to the Chairs of the Region 35 (Oregon) and Region 12 (Idaho) Regional Planning Committees for their review and consent.

During the RPC meeting on January 26, 2005, edits and comments received during the preceding month were incorporated into the document, and further edits were made from input received at the meeting. Since none of these edits materially altered the Plan or spectrum allocations, a final vote was taken to approve the Plan and transmit it to the FCC for review and approval.

Section 5 – Regional Plan Summary

The main overarching strategy in this Plan from the standpoint of spectrum allotment and coordination is adherence to the pre-packed database in CAPRAD. As the RPC progressed through a number of meetings and draft versions of this Plan, we did not discover any situation where the pre-packed spectrum allocation seemed to be out of alignment with expectations of where spectrum needs would occur. Since the CAPRAD pre-pack took into consideration both demographic and topographic considerations, we have determined that the allotments of spectrum based on county geographical areas, as expressed in Appendix F, are the most reasonable basis for initial allocation under this Plan.

Further, Region 43 will be maintaining the CAPRAD database as any subsequent specific frequency assignments are made for specific system implementations. Therefore, the CAPRAD database will serve as a single repository of all RPC approved assignments and allow us to carefully manage co-channel and adjacent-channel interference issues with the system designers and frequency coordinators.

In our conversations with our adjacent regions – Region 35 (Oregon) and Region 12 (Idaho) – they too have indicated that they intend to use the CAPRAD pre-pack as their preferred allotment mechanism, and plan on maintaining that database for future frequency assignments. Their expression of concurrence with this Plan confirms that understanding. Therefore, we have every expectation that current and future frequency assignments in border areas will be able to be easily managed and coordinated through the CAPRAD database.

This Plan also establishes guidelines and processes for the deployment of interoperability functionality that is consistent with the NCC guidelines. The Interoperability section of this Plan (Section 6) was developed and approved by our SIEC and the SIEC intends to take an active role in working with the RPC to monitor system deployments under this Plan to make sure the Interoperability objectives are met.

Section 6 – Interoperability

6.1 Introduction

The ability of agencies to effectively respond to mutual aid requests directly depends on their ability to communicate with each other. Washington State is subject to natural disasters such as the geological activity at Mount St. Helens, the Nisqually Earthquake, and wild land fires, and mutual aid is common among agencies. This plan seeks to facilitate the communications necessary for effective mutual aid.

Washington State will administer the Interoperability (I/O) channels via its State Interoperability Executive Committee (SIEC) under National Coordination Committee's

(NCC) guidelines. In addition to the role described within this document, Washington's SIEC will be pursuing other activities relating to Interoperability outside of the 700 MHz spectrum, including assisting in the coordination of interoperability spectrum resources at VHF, UHF and 800 MHz.

Washington State adopts the ANSI/TIA 102 Standards, i.e. Project 25 digital protocols, as the Digital Interoperability Standard for the conventional-only mode of operation on the narrowband voice & data interoperability channels as adopted by the NCC and shown in Appendix A of this Plan.

While defined as intended for specific operational needs, the Tactical channel sets may be assigned for alternate uses by the Incident Commander. As an example, the Incident Commander may find that a fire channel is the only Tactical channel resource constructed in an area where an EMS response is called for. Under these circumstances, functional reassignment of the channel may be made on a coordinated basis for the duration of the incident under direction of the Incident Commander.

6.2 Calling Channels

Washington State operates two Calling channel sets. The Calling channels set designations within Washington State are "7CAL59" and "7CAL75". These calling channel sets shall be monitored, on a 24 x 7 basis, by licensees who employ 700 MHz channels from the general use or state pool as a part of their infrastructure. When calling channels are integrated into infrastructure, their mobile coverage must at least match the coverage of the other channels in the system. In addition to the usual calling channel functions, the calling channels may be used to notify users when a priority is declared on one or more of the tactical interoperability channels.

6.3 Requirement for Infrastructure to Support Interoperability Channels[1]

All agencies requesting General Use spectrum from this Plan will be required to implement the number of Interoperability channels designated in the table in Footnote

[1] Required Interoperability Channels based on total licensed bandwidth

Bandwidth Licensed	Required Number of Interoperability Channels
0 to 50 kHz	None
62.5 to 100 kHz	1 Call Channel
112.5 to 175 kHz	1 Call Channel 1 Law Enforcement Channel 1 Fire/EMS Channel
> 175 kHz	1 Call Channel 1 Law Enforcement Channel 1 Fire Channel 1 EMS Channel

1. This implementation shall normally provide mobile area coverage over essentially the same service area as the primary communications channel assignments. The SIEC, or its designee, may authorize reduced coverage, reduced channel count, or extended/delayed implementation where such a reduction is required to meet good engineering standards, interference mitigation or other specialized requirements. This infrastructure may be configured to operate in a half duplex mode to minimize intra-system interference under routine conditions, provided however that a wireline equivalent connection delivers received audio to a dispatch point where 24 x 7 monitoring will take place. Approval of such operation also requires the ability for the dispatch point to re-enable normal repeater operation when so requested.

Agencies are encouraged to provide for additional interoperability channels and improved grades of service beyond the requirements establish in this Section.

6.4 Tactical Channels

All Interoperability channels, except as described below, shall be used for conventional-only operation. Normally, users will 'call' a dispatch center on one of the "Calling Channels" and be assigned an available tactical channel. Deployable narrowband operations (voice, data, and trunking) shall be afforded access to the same pool of channels used for similar fixed infrastructure operations. In the event of conflict between multiple activities, prioritized use shall occur. Use prioritization shall be:

1. Disaster and extreme emergency operations for mutual aid and interagency communications.
2. Emergency or urgent operation involving imminent danger to life or property.
3. Special event control, generally of a preplanned nature (including Task Force operations).

6.5 Encryption

Use of encryption is prohibited on Calling channels and permitted on all other interoperability channels. A standardized encryption algorithm for use on the interoperability channels must adhere to FCC Part 90 Rules.

6.6 Deployable Systems

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

General Public Safety Service Channels labeled "7MOB72" and "7MOB88" shall be made available for "deployable" equipment used during disasters and other emergency events that place a heavy, unplanned burden upon in-place radio systems. Use of deployable conventional and trunked interoperability systems will be coordinated so as to minimize interference with permanently installed conventional interoperability infrastructure.

6.7 Trunking on the Interoperability Channels

Trunking the Interoperability channels for deployable or inactive, pre-positioned systems shall be permitted on a secondary basis to fixed conventional infrastructure. Such use shall be limited to operation on eight specific 12.5 kHz channel sets, divided into two subsets of four 12.5 kHz channels. Trunked operation on the Interoperability channels is intended to provide for heavy communications needs at specific locations and these channels are not intended to be used in the trunked mode for permanent operations. In future revisions to this Plan, the Washington state SIEC anticipates developing additional plans which anticipate talkgroup structures, enabling the use of the interoperability spectrum for deployable or inactive, pre-positioned systems.

6.8 Standard Operating Procedures on the Trunked I/O Channels For I/O Situations Above Level 4

The safety and security of life and property determines appropriate interoperable priorities of access and/or reverting from secondary trunked to conventional operation. Access priority for "mission critical" communications is recommended as follows:

1. Disaster and extreme emergency operations for mutual aid and interagency communications;
2. Emergency or urgent operation involving imminent danger to life or property;
3. Special event control, generally of a preplanned nature (including Task Force operations)

The SIEC will determine whether a wide-area I/O conversation has priority over a local I/O conversation.

6.9 Data Only Use of the I/O Channels

Narrowband data-only interoperability operation on the Interoperability channels on a secondary basis shall be limited to two specific 12.5 kHz channel sets named "7DAT71" and "7DAT87".

6.10 Wideband Data Channels

Within the 12 MHz of spectrum designated for high capacity, wide bandwidth (50 to 150 kHz) channel usage, there are eighteen 50 kHz (or six 150 kHz) channels designated for wideband interoperability use.

6.11 State Interoperability Executive Committee

Washington State will use the National Incident Management System (NIMS) as a guideline in developing their regional interoperability plans.

Washington State will have oversight of the administration and technical parameters of the infrastructure for the interoperability channels within the state, unless such oversight is formally delegated by the SIEC to some other body, such as the RPC.

6.12 Minimum Channel Quantity

The minimum channel quantity for Calling and tactical channel sets are detailed in Appendix A, which is the arrangement proposed in the final report of the NCC to the FCC in July 2003. Backbone issues will be deferred to the SIEC.

6.13 Direct (Simplex) Mode

In direct (simplex) mode, transmitting and receiving on the output (transmit) side of the repeater pair for subscriber unit-to-subscriber unit communications at the scene does not congest the repeater station with unnecessary traffic. However, should someone need the repeater to communicate with the party who is in "direct" mode, the party would hear the repeated message, switch back to the repeater channel, and join the communications. Therefore, operating in direct (simplex) mode shall only be permitted on the repeater output side of the voice I/O channel sets.

6.14 Common Channel Access Parameters

Common channel access parameters will provide uniform I/O communications regardless of jurisdiction, system, manufacturer, etc. This national requirement should apply to base stations and subscriber units. This should apply to fixed or temporary operations. This should apply to tactical, voice, or other mutual aid conventional I/O use.

Common channel access parameters for all voice I/O shall utilize the default values (ANSI/TIA/EIA-102, BAAC-2000, approved April 25, 2000) provided in every radio regardless of manufacturer. Any common channel access parameters not provided shall be programmed accordingly. These parameters include the following:

P25 Network Access Code - $293 (default value)

P25 Manufacturers ID - $00 (default value)
P25 Designation ID - $FFFFFF (designates everyone)
P25 Talkgroup ID - $0001 (default value)
P25 Message Indicator $000000… 0, out to 24 zeros (unencrypted)
P25 Key ID - $0000 (default value)
P25 Algorithm ID - $80 (unencrypted)

Any deviation from $293 will not be permitted unless the SIEC (or the RPC) can demonstrate Plan amendment through the FCC-approved process that the intent of $293 will be preserved on ALL conventional voice I/O channels – transmit and receive.

Section 7 – Additional Spectrum Set Aside for Interoperability in the Region

Due to the significant number of I/O channels already defined in the national planning structure, no additional I/O channels are defined at this time within Region 43. The RPC may reallocate some General Use channels for I/O use in the future if we find a need exists. If we do define additional regional I/O channels, they will fall under the same SIEC administration as the nationally defined I/O channels.

Section 8 – Allocation of General Use Spectrum

8.1 General Use Narrowband Spectrum

The FCC adopted channel plan for the 700 MHz public safety spectrum is shown in Appendix F. The largest portion of this spectrum is characterized as General Use, and further divided between narrowband and wideband channel assignments. The initial allotment of general use narrowband spectrum in Region 43 has been based on the initial frequency packing done to populate the CAPRAD database. This allotment was done on a county-area basis and takes into consideration both county-area population and hypothetical spectrum coverage predictions. Since this spectrum packing was done on a national basis, coordination with neighboring Region 12 (Idaho) and Region 35 (Oregon) are already accomplished in the CAPRAD data, so limited issues should arise in Plan coordination with these neighboring Regions as long as they don't modify CAPRAD assignments in their border areas.

Further, during meetings in 2004, the RPC documented in its minutes the current and future channel utilization interests of eligible licensees. During these meetings it was determined that other than in some of the urban areas in the Puget Sound portion of the Region, there was currently very low interest in developing systems in the narrowband spectrum. Further, it was determined that the spectrum distribution accomplished in the CAPRAD database closely matched the expressed current, and potential future, spectrum needs on a county-area basis. Therefore, Region 43 believes

that the pre-packed CAPRAD database represents the most rational basis for our initial spectrum allotment.

The initial spectrum allotment on a county-area basis is provided in Appendix G. As subsequent applications by eligible licensees are made to the RPC, it will assign specific channels based on the most efficient spectrum utilization possible and as further described in other sections of this document. All such assignments will be maintained in the CAPRAD database and that is the only database neighboring Regions and frequency coordinators should use to determine channel utilization in Region 43.

8.2 General Use Wideband Spectrum

As with the narrowband spectrum, during RPC meetings in 2004 the RPC documented in its minutes the current and future interests of eligible licensees in the wideband channels. While interest in the narrowband spectrum is currently limited to high population areas in the Region, the interest in the wideband spectrum is broader, yet still tentative. Only the urban-area agencies seem to express solid interest in funding initiatives to utilize this spectrum in the next two years.

This Plan does not make any pre-allotments of the general use wideband data channels. Since these channels may be used by licensees in 50 kHz, 100 kHz or 150 kHz total channel bandwidth configurations, the RPC was not able to establish a mechanism to appropriately pre-pack this spectrum on a geographic or population basis. Further, since individual agencies are not in a position to attest to their specific needs for this wideband spectrum at the present time, the RPC has determined that it would be best to rely on applications in the semi-annual filing windows to determine the most appropriate and closely packed assignment of channels, based on the transmitter sites and bandwidths selected by individual applicants.

8.3 Narrowband Low Power Spectrum

During the planning process, the RPC was made aware of a number of potential uses for the low power channels identified in the FCC adopted channel plan (see Appendix F). While there was discussion about making specific utilization assignments for these channels in the Plan, it was ultimately decided to leave these channels unallocated at the present time and rely on filings by eligible licensees in the semi-annual filing windows to further demonstrate needs and uses of these channels.

8.4 Canadian Border Issues

Public safety licenses are granted subject to the conditions as set forth in 47 C.F.R. Section 90.533. Public safety transmitters operating at locations North of Line A must accept any interference that may be caused by operations of UHF television broadcast transmitters in Canada. Those conditions may change during the term of the license if

required by the terms of international agreements between the United States and the government of Canada, as applicable, regarding the non-broadcast use of the 764-776 and 794-806 bands.

Add a paragraph that describes the current consideration in Canada relative to the use of 700 MHz for public safety land mobile use.

8.5 Application Filing Windows

Based on criteria described further in this section and in Section 9, the RPC will manage individual assignments of channels to eligible licensees at sites determined necessary to cover their service areas. Since spectrum in this Plan is assigned to county areas, but not specific agencies within those county areas, further application processing and channel assignment work will need to be accomplished by the RPC during the life of this plan. Based on experiences gained in the 800 MHz regional planning process, and expectations for use in the 700 MHz band, Region 43 will use a filing window concept for processing specific applications from specific agencies for specific channel assignments.

Under the filing window approach, applications for channel assignment will only be processed at predetermined points in time. Only applications in hand at the close of the filing window will be considered for assignment and applications not received by the close of the filing window will be held until the next filing window period.

During each filing window period, channel assignments will only be made to agencies within the channel allocations for the county area where they operate. The only exception to this would be for agencies that operate across multiple county areas, in which case channel assignments may be made by the RPC from more than one county area allocation based on the most efficient utilization of spectrum.

If the number of channels being requested exceeds the number of channels in the county area allocation, or if multiple applicants have filed in the same window for more channels than exist in the allocation to a single county area, the RPC will utilize the scoring criteria in Section 9 of this Plan to determine the final distribution of channel assignments. In this event, a Scoring Subcommittee will be formed to conduct the detailed analysis of the competing applications and to propose a scoring report. That report will be presented to the voting membership and a majority vote by the voting members present at the meeting will determine the final channel distribution.

Upon approval of this Plan by the FCC, the RPC will publish notice of the closing date of the first filing window. This will be approximately six (6) months following Plan approval, with the exact date being selected to allow easy scheduling of subsequent

application reviews and meetings to approve assignments. These meetings will be completed no later than 45-days following the close of the filing window.

Following assignment of channels by the RPC, the CAPRAD database will be updated to indicate the specific channel assignments to the specific agencies, and further frequency coordination and licensing efforts can rely on the CAPRAD database as the single-point source of information on specific channel assignments in the Region.

Following the close of the first filing window, seven (7) successive filing windows will be conducted at six-month increments. In addition to processing any applications received during the eighth filing window, the RPC will also make a decision on whether to add additional filing windows, or to allow the filing window approach to automatically sunset.

If no action is taken by the RPC to add additional filing windows, applications for channel assignments will be received and processed on a first-come/first-served basis. Channel assignments will not be constrained to the county-area allocations of this Plan, but instead will be made opportunistically to allow the best possible spectrum utilization while meeting the functional needs of the applicant. This could mean that spectrum from neighboring county areas that has sat fallow for four years could be applied for and made productive by neighboring county areas who have made more investments in 700 MHz systems.

Section 9 – Explanation of How Needs Were Assigned Priorities in Areas Where Not All Eligibles Could Receive Licenses

The following scoring matrix will be used to evaluate competing applications for narrowband channels filed in the same filing window within the county-by-county allocations, from the pool of wideband channels, or from the remaining pool of narrowband channels once the county-by-county allocations sunset. The applications receiving the highest number of points will receive the channels. There are seven scoring categories:

9.1 Service (Maximum 350 points)

Police, fire, local government, combined systems, multi-jurisdictional systems, etc.

9.2 Intersystem & Intra-system interoperability (Maximum 100 points)

This category will be scored considering how well the proposed system will be able to communicate with other levels of government and services during an emergency on "regular" channels, not the I/O channels. Interoperability must exist among many agencies to successfully accomplish the highest level of service delivery to the public during a major incident, accident, natural disaster or terrorist attack. Applicants

requesting 700 MHz spectrum shall inform the region of how and with whom they have been achieving interoperability in their present system.

The applicant shall stipulate how they will accomplish interoperability in their proposed system (gateway, switch, cross-band repeater, console cross-patch, software defined radio or other means) for each of the priorities listed below:

A. Disaster and extreme emergency operation for mutual aid and interagency communications.

B. Emergency or urgent operation involving imminent danger to life or property.

C. Special event control, generally of a preplanned nature (including task force operations).

D. Single agency secondary communications. This is the default priority when no other priority is declared and includes routine day to day (non-emergency) operations.

9.3 Loading (Maximum 150 points)

This category will be scored considering whether the system part of a cooperative, multi-organization system. Is the application an expansion of an existing 800 MHz system? Have all 821 channels been assigned (where technically feasible)? A showing of maximum efficiency or a demonstration of the system's mobile usage pattern could be required in addition to loading information. Based on population, number of units (if number of units, are they take home, how many per officer), what are the talk groups?

9.4 Spectrum Efficient Technology (Maximum 350 points)

This category will be scored based on how spectrally efficient the system's technology is. Trunked systems are considered efficient as well as any technological systems feature, which is designed to enhance the efficiency of the system and provide for the efficient use of the spectrum.

9.5 Systems Implementation Factors (Maximum 100 points)

This category will be scored based on funding and system planning details as well as construction and implementation schedule. Is this going to be slow growth (within the next five years) or is it something that's ready to be implemented now? A document stipulating what the agency is planning to implement signed by an official within the organization who handles the money is required.

9.6 Geographic Efficiency (Maximum 100 points)

This category will be scored based on the ratio of subscriber units to area covered and the channel reuse potential. The higher the ratio (mobiles divided by square miles of coverage) the more efficient the use of the frequencies. Those systems which cover large geographic areas will have a greater potential for channel reuse and will therefore receive a high score in this subcategory.

9.7 Givebacks (Maximum 200 points)

This category will be scored based on the number of channels given back and the extent of availability and usability of those channels to others.

Total evaluation points above add up to 1350.

Section 10 – An Explanation of How all the Region Eligibles' Needs were Considered, and to the extent possible met

As described elsewhere in this Plan, the initial allotment of channels in the narrowband general use category in Region 43 was made through the CAPRAD pre-packing process that utilized a combination of population, geography and signal propagation parameters to determine channel distribution. Over the course of nine (9) meetings of the RPC during the drafting of the textual portions of this plan, participants were asked to comment on the spectrum needs of their agencies in the 700 MHz band and any agencies they were aware of in their geographic area. These comments are recorded in the Minutes of the meetings of the RPC. Consistently, the comments received indicated that the CAPRAD pre-pack provided adequate spectrum distribution across the Region to meet the foreseeable needs of the eligible users.

Section 11 – Evidence that the plan has been successfully coordinated with adjacent regions

On November 30, 2004, the Chairs of Region 12 (Idaho) and Region 35 (Oregon) were provided a copy of the Region 43 Draft Plan Version 11. In that message they were advised of our intended timeline to take further edits at our December 15, 2004 and January 26, 2005 meetings prior to final approval of the Plan and transmittal to the FCC. They were also asked to provide an informal 'fatal-flaw' review of Draft Version 11. Responses received from both RPCs indicated that no fatal flaws were seen and they believed the Region 43 Plan would be approved by their RPCs as written.

On December 23, 2004 the Final Draft of this Plan was formally transmitted to Regions 12 and 35 for formal review and consent. Consent letters or further suggested edits

were requested by January 25, 2005 so they could be taken into consideration at the January 26, 2005 meeting of the Region 43 RPC.

Copies of the consent letters and Inter-Regional Coordination Agreements are attached in Appendix H.

Section 12 – Detailed Description of How the Plan Puts Spectrum to the best possible use

As described elsewhere in this Plan, the initial allotment of channels in Region 43 was made through the CAPRAD pre-packing process that utilized a combination of population, geography and signal propagation parameters to determine channel distribution. Population is the most significant driver in predicting call for service demands on public safety agencies, and call for service demand is one of the largest drivers in the need for spectrum. Therefore, the melding of propagation influences across population aggregations on a county-area basis provides a distribution model that most closely reflects the spectrum demands of the public safety agencies within those areas.

The RPC believes that utilizing the CAPRAD pre-packing for initial channel allotment of the narrowband spectrum, on a county-area basis, and the subsequent filing-window processing of applications for specific channel assignments, will result in the most efficient use of the spectrum as well as meeting the broadest set of needs of the eligible users of the spectrum.

Section 13 – Detailed description of the future planning process, including but not limited to the amendment process, meeting announcements and minutes, database maintenance and dispute resolution

13.1 Future Planning & Minutes

Region 43 will maintain a website (www.region43.org) on which all plan documents, Bylaws, meeting schedules, meeting minutes and application filing procedures will be maintained. The RPC anticipates that two types of Plan modifications will be made in the future, administrative changes that do not alter spectrum allocations in the Plan, and spectrum changes that do alter spectrum allocations in the Plan. Each of these types of changes will be handled through a different process.

13.1.1 Administrative Plan Changes

From time to time, the RPC may need to make changes to the Plan or Bylaws that are purely administrative in nature and that do not alter spectrum allocations within the county-area allocations. Examples of such changes include changes in

officer positions, changes in meeting schedules, changes in application processing procedures, etc.

Administrative changes to the Plan or Bylaws will be offered to the RPC at a properly scheduled meeting and adopted at that meeting if possible. At the will of the RPC, the change may be held over for subsequent meetings to allow further information to be collected or further debate to occur. Once the change is adopted by the RPC, the amended Plan or Bylaws will be filed with the FCC for formal ratification. Copies will also be provided to neighbor regions (Oregon and Idaho) so they are aware of the administrative change.

13.1.2 Spectrum Allocation Changes

From time to time the RPC may need to make changes to the Plan that alter the allocation of channels between county areas. Examples of such changes include situations where one county area has fully exhausted their initial allocation and need further spectrum to meet public safety needs, and neighboring county areas have demonstrated no interest to plan for or fund utilization of the spectrum. The need for changes of this nature will likely come to light following the semi-annual filing windows.

Changes of this nature will be offered to the RPC at a properly scheduled meeting and discussed and debated at that meeting and at least one subsequent meeting. Once the change is approved by the RPC, notification of the change will be sent to neighbor Regions (Oregon and Idaho) for coordination and concurrence. Neighbor Regions will be requested to provide comments and concerns, or consent, within 45 calendar days of receiving notice of the change.

Once neighbor Region comments or consent is received, or following the 45 calendar day comment period, the RPC will again consider the changes at the next scheduled meeting, incorporate any further changes needed, and vote to approve the change and submit it to the FCC for ratification.

13.2 Database Maintenance

Region 43 will use the CAPRAD pre-coordination database, specifically designed for use in the 746-776/794-806 MHz public safety band. This database will contain frequency availability and pre-allotment. Region 43 will use the CAPRAD database to review pending and/or complete pre-allotments for the adjacent Regions to assist in completing their respective plans.

The FCC's designated public safety frequency advisors will use the CAPRAD database during the application process (pre-coordination). Frequency advisors, as well as RPCs,

are required to maintain the database as the applications are processed and granted by the Commission.

13.3 Intra-Regional Dispute Resolution Process

13.3.1 Introduction

The RPC is established under section 90.527 of the FCC's rules and regulations. It is an independent Committee apart from the Federal Communications Commission with authority to evaluate applications for public safety uses of the spectrum allocated under FCC Docket 96-86. In addition, appeals from decisions made with respect to a variety of matters regulated by the RPC will be heard. The formal requirements of the appeal process are set out below.

In order to ensure that the appeal process is open and understandable to the public, the RPC has developed this procedure. Those involved in the appeal process can expect the RPC and its members to follow the procedures (as may be amended from time to time). Where any matter arises during the course of an appeal that is not dealt with in this document, the RPC will do whatever is necessary to enable it to adjudicate fairly, effectively and completely on the appeal. In addition, the RPC may dispense with compliance with any part or all of a particular procedure where it is appropriate in the circumstances. As the RPC gains experience, it will refine and, if necessary, change its policies. Any changes made to the procedure will require a modification to the Regional Plan and will be made available to the public.

The RPC will make every effort to process appeals in a timely fashion and issue decisions expeditiously.

13.3.2 Appeal Subcommittee

13.3.2.1 Members

The RPC Chair may organize the RPC into Subcommittees, each comprised of one or more members; the Appeal Subcommittee is one of those.

Where an appeal is scheduled to be heard by this Subcommittee the chair is determined as follows:

(a) if the chair of the RPC is on the Subcommittee, he/she will be the Chair;
(b) if the chair of the RPC is not on the Subcommittee but the Vice-Chair is, the Vice-Chair will be the Chair; and
(c) if neither the Chair nor the Vice-Chair is on the Subcommittee, the RPC will designate one of the members to be the Chair.

13.3.2.2 Withdrawal or Disqualification of a Subcommittee Member on the Grounds of Bias

If the Subcommittee Chair or member becomes aware of any facts that would lead an informed person, viewing the matter reasonably and practically, to conclude that a member, whether consciously or unconsciously, would not decide a matter fairly, the member will be prohibited from conducting the appeal unless consent is obtained from all parties to continue. In addition, any party to an appeal may challenge a member on the basis of real or a reasonable apprehension of bias.

13.3.2.3 Correspondence (Communicating) with the Subcommittee

To ensure the appeal process is kept open and fair to the participants, any correspondence to the Subcommittee must be sent to the Chair and be copied to all other Subcommittee members and other parties to the appeal, if applicable. Subcommittee members will not contact a party on any matter relevant to the merits of the appeal, unless that member puts all other parties on notice and gives them an opportunity to participate. The appeal process is public in nature and all meetings regarding the appeal will be open to the public.

13.3.3 The Appeal Process

13.3.3.1 What can be appealed

The Subcommittee hears appeals from a determination or allocation by the RPC and shall include the following: number of channels assigned, ranking in the assignment matrix, interference, or any other criteria that the region shall establish.

13.3.3.2 Who can appeal

An official of the entity who filed the original application to the RPC must be the person who files the appeal on behalf of the entity.

13.3.3.3 How to appeal

A notice of appeal must be served upon the RPC. The notice of appeal may be "delivered" by mail, courier, e-mail (must be on the appealing entity's official letterhead and include the originator's signature, such as using a scanned image in Portable Document Format of an original letter) or hand delivered, to the Chair and Vice-Chair of the RPC. The Chair or

Vice-Chair will in-turn transmit notice of the appeal to RPC members via the listserver within five working days of receipt.

To be accepted for consideration the notice of appeal **must** include:
1. The name and address of the appellant;
2. The name of the person, if any, making the request for an appeal on behalf of the appellant;
3. The address for service of the appellant;
4. The grounds for appeal (a detailed explanation of the appellant's objections to the determination - describe errors in the decision);
5. A description of the relief requested (What the appellant wants the RPC to do at the end of the appeal?);
6. The signature of the appellant or the appellant's representative.

13.3.3.4 Time limit for filing the appeal

To appeal a determination or allocation the entity that is subject to the determination must deliver a notice of appeal **within twenty-one (21) calendar days** after receiving the decision. If a notice of appeal is not delivered within the time required, the right to an appeal is lost. However, the RPC is allowed to extend the deadline, either before or after its expiration based upon a majority plus one vote of the RPC.

13.3.3.5 Extension of time to appeal

The RPC has the discretion to extend the time to appeal either before or after the twenty-one (21) calendar day deadline. A request for an extension should be made to the RPC, in writing, and include the reasons for the delay in filing the notice of appeal and any other reasons which the requester believes support the granting of an extension of time to file the appeal. A request for an extension should accompany the notice of appeal.

In deciding whether to grant an extension, the RPC will consider whether fairness requires an extension. The RPC will take into account the length of the delay, the adequacy of the reasons for the delay, the prejudice to those affected by the delay and any impacts that may result from an extension. Other factors not identified could be relevant depending on the circumstances of the particular case.

13.3.3.6 Rejection of a notice of appeal

The RPC may reject a notice of appeal if:
(a) it is determined that the appellant does not have standing to appeal; or

(b) the RPC does not have jurisdiction over the subject matter or the remedy sought.

Before a notice of appeal is rejected, the RPC will inform the appellant of this in writing, with reasons, and give the appellant a twenty-one (21) calendar day opportunity to make submissions, and any potential parties with an opportunity to respond.

13.3.3.7 Adding parties to the appeal

In addition to the parties mentioned above, the RPC has the discretion to add any other person who may be "affected" by the appeal as a party to the appeal. Anyone wanting to obtain party status should make a written request to the RPC as early as possible. The written request should contain the following information:
a. The name, address, telephone number and email address (if any), of the person submitting the request;
b. A detailed description of how the person is "affected" by the notice of appeal and
c. The reasons why the person should be included in the appeal; and
d. The signature of the person submitting the request.

13.3.3.8 Intervener status

The RPC may also invite or permit someone to participate in a hearing as an intervener. Interveners are generally individuals or groups that do not meet the criteria to become a party (i.e. "may be affected by the appeal") but have sufficient interest in, or some relevant expertise or view in relation to the subject matter of the appeal.

Someone wanting to take part in an appeal as an intervener should send a written request to the RPC. The written request should contain information that qualifies the intervener's interest and expertise to assist in the matter while also demonstrating that they should not be considered a party.

Prior to inviting or permitting a person to participate in a proceeding as an intervener, or deciding on the extent of that participation, the RPC will provide all parties with an opportunity to make representations if they wish to do so.

13.3.3.9 Type of appeal (written or oral) hearing

An appeal may be conducted by way of written submissions, oral hearing or a combination of both. The Appeal Subcommittee will determine the

appropriate type of appeal after a complete notice of appeal has been received.

The Subcommittee will normally conduct an oral hearing although it may order that a hearing proceed by way of written submissions in certain cases. Where a hearing by written submissions is being considered, the Subcommittee may request input from the parties.

13.3.3.10 Burden of proof

The general rule is that the burden or responsibility for proving a fact is on the person who asserts it.

13.3.3.11 Notification of expert evidence

Any party that intends to present expert evidence at a hearing will be required to provide the Subcommittee, and all other parties to the appeal, with reasonable advance notice that an expert will be called to give an opinion. The notice should include a brief statement of the expert's qualifications and areas of expertise.

If a party intends to produce, at a hearing, a written statement or report prepared by an expert, a copy of the statement or report should be provided to the Subcommittee and all parties to the appeal within a reasonable time before the statement or report is given in evidence. Unless there are compelling reasons for later admission, expert reports should be distributed twenty-one (21) calendar days prior to the hearing date.

13.3.3.12 Documents

If a party will be referring to a document that was not provided to the Subcommittee and all parties prior to the hearing, sufficient copies of the document must be brought to the hearing for the Subcommittee and all other parties.

13.3.4 Appealing the Appeals Subcommittee's Decision

If a party is not satisfied with the decision of the Appeal Subcommittee, he or she can appeal that decision to the 700 MHz National Planning Oversight Committee or other body formally designated by the FCC to handle matters of this nature.

13.4 Inter-Regional Dispute Resolution Process

Signed copies of Inter-Regional Coordination and Dispute Resolution agreements with Region 12 (Idaho) and Region 35 (Oregon) are attached at Appendix H.

Section 14 – Certification by the Chairperson that Regional Planning Process was Open to the Public

I hereby certify that all Region 43 Regional Planning Committee meetings, including subcommittee or executive committee meetings were open to the public.

Signed _____
Region 43 Chairperson

Witnessed _____
Region 43 Secretary

Appendix A – Table of Interoperability Channels as Identified by the NCC Process

700 MHz Interoperability Channels, Labels, and Usage

	12.5 kHz CHANNEL PAIR	CHANNEL LABEL (proposed)	RADIO SERVICE	TALK-AROUND	CHANNEL LABEL (proposed)	USE/MISC NOTES
01	Pair 23-24/983-984	**7TAC58**	General Public Safety Service (secondary trunked)	Channel 23-24	**7TAC58D**	
02	**Pair 39-40/999-1000**	**7CAL59**	**Calling Channel**	**Channel 39-40**	**7CAL59D**	**mandatory**
03	Pair 63-64/1023-1024	**7EMS60**	EMS	Channel 63-64	**7EMS60D**	
04	Pair 79-80/1039-1040	**7EMS61**	EMS	Channel 79-80	**7EMS61D**	
05	Pair 103-104/1063-1064	**7TAC62**	General Public Safety Service (secondary trunked)	Channel 103-104	**7TAC62D**	
06	Pair 119-120/1079-1080	**7TAC63**	General Public Safety Service	Channel 119-120	**7TAC63D**	**mandatory**
07	Pair 143-144/1103-1104	**7FIR64**	Fire	Channel 143-144	**7FIR64D**	
08	Pair 159-160/1119-1120	**7FIR65**	Fire	Channel 159-160	**7FIR65D**	
09	Pair 183-184/1143-1144	**7TAC66**	General Public Safety Service (secondary trunked)	Channel 183-184	**7TAC66D**	
10	Pair 199-200/1159-1160	**7TAC67**	General Public Safety Service	Channel 199-200	**7TAC67D**	
11	Pair 223-224/1183-1184	**7LAW68**	Police	Channel 223-224	**7LAW68D**	
12	Pair 239-240/1199-1200	**7LAW69**	Police	Channel 239-240	**7LAW69D**	
13	Pair 263-264/1223-1224	**7TAC70**	General Public Safety Service (secondary trunked)	Channel 263-264	**7TAC70D**	
14	Pair 279-280/1239-1240	**7DAT71**	Mobile Data	Channel 279-280	**7DAT71D**	
15	Pair 303-304/1263-1264	**7MOB72**	Mobile Repeater	Channel 303-304	**7MOB72D**	**mandatory**
16	Pair 319-320/1279-1280	**7TAC73**	Other Public Service	Channel 319-320	**7TAC73D**	**mandatory**

Channels labeled as mandatory include both the mobile transmit and mobile receive (a total of 16 channels) for subscriber units only

700 MHz Interoperability Channels, Labels, and Usage (continued)

	12.5 kHz CHANNEL PAIR	CHANNEL LABEL	RADIO SERVICE	TALK-AROUND	CHANNEL LABEL	USE/MISC NOTES
17	Pair 641-642/1601-1602	**7EMS76**	EMS	Channel 641-642	**7EMS76D**	
18	Pair 657-658/1617-1618	**7TAC74**	General Public Safety Service (secondary trunked)	Channel 657-658	**7TAC74D**	
19	**Pair 681-682/1641-1642**	**7CAL75**	**Calling Channel**	**Channel 681-682**	**7CAL75D**	**mandatory**
20	Pair 697-698/1657-1658	**7EMS77**	EMS	Channel 697-698	**7EMS77D**	
21	Pair 721-722/1681-1682	**7FIR80**	Fire	Channel 721-722	**7FIR80D**	
22	Pair 737-738/1697-1698	**7TAC78**	General Public Safety Service (secondary trunked)	Channel 737-738	**7TAC78D**	
23	Pair 761-762/1721-1722	**7TAC79**	General Public Safety Service	Channel 761-762	**7TAC79D**	**mandatory**
24	Pair 777-778/1737-1738	**7FIR81**	Fire	Channel 777-778	**7FIR81D**	
25	Pair 801-802/1761-1762	**7LAW84**	Police	Channel 801-802	**7LAW84D**	
26	Pair 817-818/1777-1778	**7TAC82**	General Public Safety Service (secondary trunked)	Channel 817-818	**7TAC82D**	
27	Pair 841-842/1801-1802	**7TAC83**	General Public Safety Service	Channel 841-842	**7TAC83D**	
28	Pair 857-858/1817-1818	**7LAW85**	Police	Channel 857-858	**7LAW85D**	
29	Pair 881-882/1841-1842	**7MOB88**	Mobile Repeater	Channel 881-882	**7MOB88D**	**mandatory**
30	Pair 897-898/1857-1858	**7TAC86**	General Public Safety Service (secondary trunked)	Channel 897-898	**7TAC86D**	
31	Pair 921-922/1881-1882	**7DAT87**	Mobile Data	Channel 921-922	**7DAT87D**	
32	Pair 937-938/1897-1898	**7TAC89**	Other Public Service	Channel 937-938	**7TAC89D**	**mandatory**

Channels labeled as mandatory include both the mobile transmit and mobile receive (a total of 16 channels) for subscriber units only

700 MHz Interoperability Channels – Frequency List

	FREQUENCY (MHz) OR CHANNEL SET Channel Pair	CHANNEL LABEL (proposed)	USE/MISC NOTES	FREQUENCY (lower edge) (base)	(mobile)	FREQUENCY (center) (base)	(mobile)
01	Pair 23-24/983-984	**7TAC58**		764.13750	794.13750	764.14375	794.14375
02	**Pair 39-40/999-1000**	**7CAL59**	**mandatory**	764.23750	794.23750	764.24375	794.24375
03	Pair 63-64/1023-1024	**7EMS60**		764.38750	794.38750	764.39375	794.39375
04	Pair 79-80/1039-1040	**7EMS61**		764.48750	794.48750	764.49375	794.49375
05	Pair 103-104/1063-1064	**7TAC62**		764.63750	794.63750	764.64375	794.64375
06	Pair 119-120/1079-1080	**7TAC63**	nationwide	764.73750	794.73750	764.74375	794.74375
07	Pair 143-144/1103-1104	**7FIR64**		764.88750	794.88750	764.89375	794.89375
08	Pair 159-160/1119-1120	**7FIR65**		764.98750	794.98750	764.99375	794.99375
09	Pair 183-184/1143-1144	**7TAC66**		765.13750	795.13750	765.14375	795.14375
10	Pair 199-200/1159-1160	**7TAC67**	(alt)	765.23750	795.23750	765.24375	795.24375
11	Pair 223-224/1183-1184	**7LAW68**		765.38750	795.38750	765.39375	795.39375
12	Pair 239-240/1199-1200	**7LAW69**		765.48750	795.48750	765.49375	795.49375
13	Pair 263-264/1223-1224	**7TAC70**		765.63750	795.63750	765.64375	795.64375
14	Pair 279-280/1239-1240	**7DAT71**		765.73750	795.73750	765.74375	795.74375
15	Pair 303-304/1263-1264	**7MOB72**	nationwide	765.88750	795.88750	765.89375	795.89375
16	Pair 319-320/1279-1280	**7TAC73**	nationwide	765.98750	795.98750	765.99375	795.99375

700 MHz Interoperability Channels – Frequency List (continued)

	FREQUENCY (MHz) OR CHANNEL SET Channel Pair	CHANNEL LABEL (proposed)	USE/MISC NOTES	FREQUENCY (lower edge) (base)	(mobile)	FREQUENCY (center) (base)	(mobile)
17	Pair 641-642/1601-1602	**7EMS76**		774.00000	804.00000	774.00625	804.00625
18	Pair 657-658/1617-1618	**7TAC74**		774.10000	804.10000	774.10625	804.10625
19	**Pair 681-682/1641-1642**	**7CAL75**	**mandatory**	774.25000	804.25000	774.25625	804.25625
20	Pair 697-698/1657-1658	**7EMS77**		774.35000	804.35000	774.35625	804.35625
21	Pair 721-722/1681-1682	**7FIR80**		774.50000	804.50000	774.50625	804.50625
22	Pair 737-738/1697-1698	**7TAC78**		774.60000	804.60000	774.60625	804.60625
23	Pair 761-762/1721-1722	**7TAC79**	nationwide	774.75000	804.75000	774.75625	804.75625
24	Pair 777-778/1737-1738	**7FIR81**		774.85000	804.85000	774.85625	804.85625
25	Pair 801-802/1761-1762	**7LAW84**		775.00000	805.00000	775.00625	805.00625
26	Pair 817-818/1777-1778	**7TAC82**		775.10000	805.10000	775.10625	805.10625
27	Pair 841-842/1801-1802	**7TAC83**	(alt)	775.25000	805.25000	775.25625	805.25625
28	Pair 857-858/1817-1818	**7LAW85**		775.35000	805.35000	775.35625	805.35625
29	Pair 881-882/1841-1842	**7MOB88**	nationwide	775.50000	805.50000	775.50625	805.50625
30	Pair 897-898/1857-1858	**7TAC86**		775.60000	805.60000	775.60625	805.60625
31	Pair 921-922/1881-1882	**7DAT87**		775.75000	805.75000	775.75625	805.75625
32	Pair 937-938/1897-1898	**7TAC89**	nationwide	775.85000	805.85000	775.85625	805.85625

700 MHz Interoperability Channels – Talk-around (Simplex/Direct) Frequency List

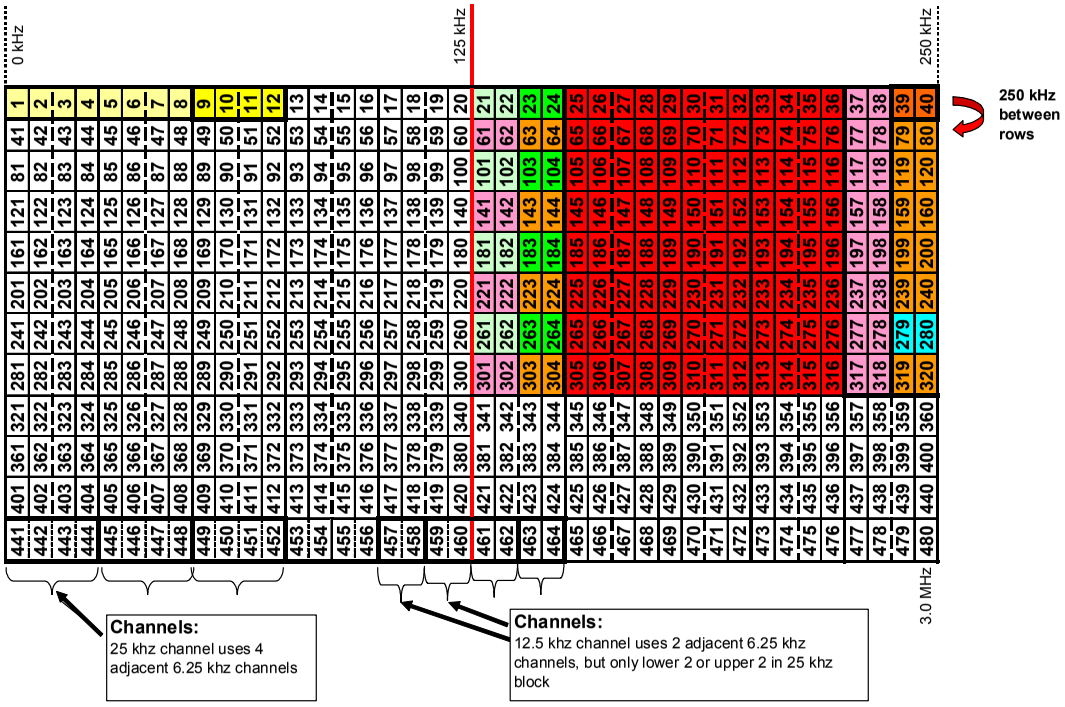
	TALK-AROUND	CHANNEL LABEL (proposed)	FREQUENCY (lower edge) (base)	(mobile)	FREQUENCY (center) (base)	(mobile)
01	Channel 23-24	**7TAC58D**	764.13750	794.13750	764.14375	794.14375
02	**Channel 39-40**	**7CAL59D**	764.23750	794.23750	764.24375	794.24375
03	Channel 63-64	**7EMS60D**	764.38750	794.38750	764.39375	794.39375
04	Channel 79-80	**7EMS61D**	764.48750	794.48750	764.49375	794.49375
05	Channel 103-104	**7TAC62D**	764.63750	794.63750	764.64375	794.64375
06	Channel 119-120	**7TAC63D**	764.73750	794.73750	764.74375	794.74375
07	Channel 143-144	**7FIR64D**	764.88750	794.88750	764.89375	794.89375
08	Channel 159-160	**7FIR65D**	764.98750	794.98750	764.99375	794.99375
09	Channel 183-184	**7TAC66D**	765.13750	795.13750	765.14375	795.14375
10	Channel 199-200	**7TAC67D**	765.23750	795.23750	765.24375	795.24375
11	Channel 223-224	**7LAW68D**	765.38750	795.38750	765.39375	795.39375
12	Channel 239-240	**7LAW69D**	765.48750	795.48750	765.49375	795.49375
13	Channel 263-264	**7TAC70D**	765.63750	795.63750	765.64375	795.64375
14	Channel 279-280	**7DAT71D**	765.73750	795.73750	765.74375	795.74375
15	Channel 303-304	**7MOB72D**	765.88750	795.88750	765.89375	795.89375
16	Channel 319-320	**7TAC73D**	765.98750	795.98750	765.99375	795.99375

700 MHz Interoperability Channels – Talk-around (Simplex/Direct) Frequency List (continued)

	TALK-AROUND	CHANNEL LABEL (proposed)	FREQUENCY (lower edge) (base)	(mobile)	FREQUENCY (center) (base)	(mobile)
17	Channel 641-642	**7EMS76D**	774.00000	804.00000	774.00625	804.00625
18	Channel 657-658	**7TAC74D**	774.10000	804.10000	774.10625	804.10625
19	**Channel 681-682**	**7CAL75D**	774.25000	804.25000	774.25625	804.25625
20	Channel 697-698	**7EMS77D**	774.35000	804.35000	774.35625	804.35625
21	Channel 721-722	**7FIR80D**	774.50000	804.50000	774.50625	804.50625
22	Channel 737-738	**7TAC78D**	774.60000	804.60000	774.60625	804.60625
23	Channel 761-762	**7TAC79D**	774.75000	804.75000	774.75625	804.75625
24	Channel 777-778	**7FIR81D**	774.85000	804.85000	774.85625	804.85625
25	Channel 801-802	**7LAW84D**	775.00000	805.00000	775.00625	805.00625
26	Channel 817-818	**7TAC82D**	775.10000	805.10000	775.10625	805.10625
27	Channel 841-842	**7TAC83D**	775.25000	805.25000	775.25625	805.25625
28	Channel 857-858	**7LAW85D**	775.35000	805.35000	775.35625	805.35625
29	Channel 881-882	**7MOB88D**	775.50000	805.50000	775.50625	805.50625
30	Channel 897-898	**7TAC86D**	775.60000	805.60000	775.60625	805.60625
31	Channel 921-922	**7DAT87D**	775.75000	805.75000	775.75625	805.75625
32	Channel 937-938	**7TAC89D**	775.85000	805.85000	775.85625	805.85625

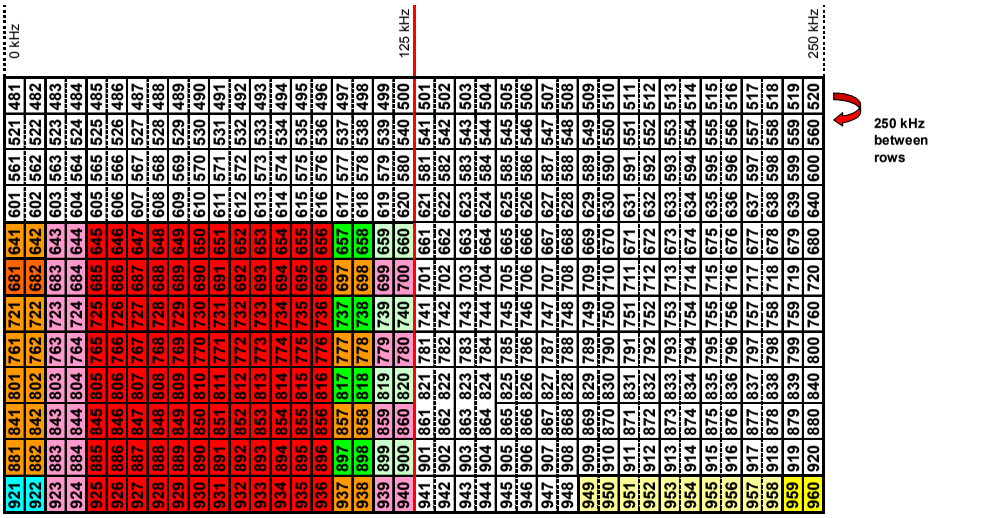
700 MHz Narrowband Channel Layout Plan – TV Channel 63-68 (764-767/794-797 MHz)

TV CH 63/68



700 MHz Narrowband Channel Layout Plan – TV Channel 64-69 (773-776/803-806 MHz)

TV CH 64/69

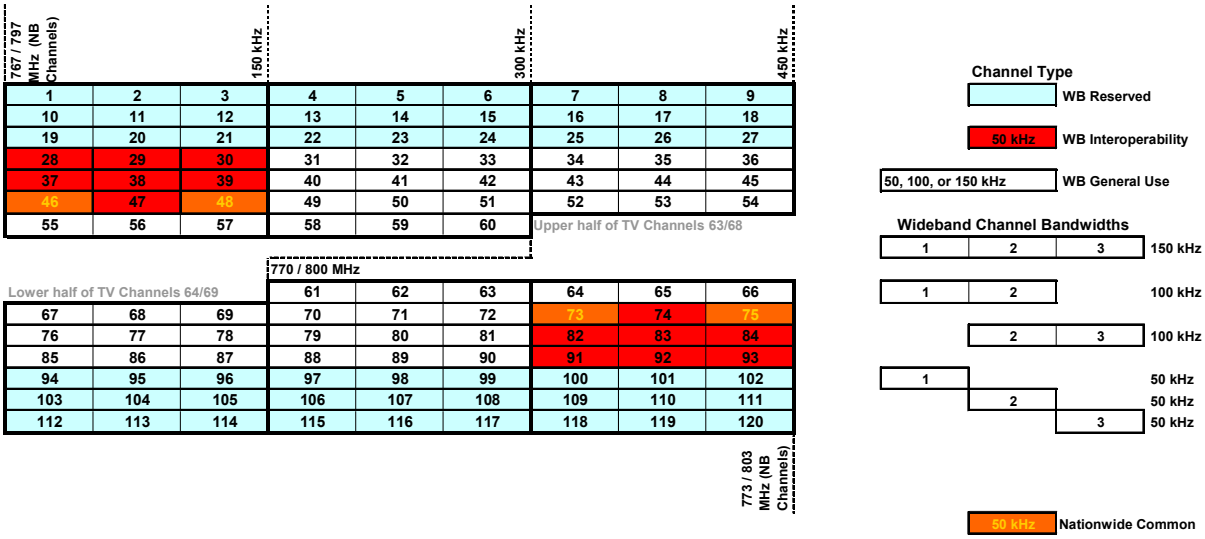


700 MHz Wideband Channel Layout Plan – 767-773/797-803 MHz

	CHANNELS	CHANNEL LABEL (proposed)	USAGE PARAMETERS	FREQUENCY (lower edge) (base)	(mobile)	FREQUENCY (center) (base)	(mobile)
01	Pair 28/148	**7WDAT1A**	**50 KHz**	768.350	798.350	768.375	798.375
02	Pair 29/149	**7WDAT1B**	**50 KHz**	768.400	798.400	768.425	798.425
03	Pair 30/150	**7WDAT1C**	**50 KHz**	768.450	798.450	768.475	798.475
	Pair 28-29/148-149	**7WDAT1E**	**aggregated 100 KHz (lower)**	768.350	798.350	768.400	798.400
	Pair 29-30/149-150	**7WDAT1F**	**aggregated 100 KHz (upper)**	768.400	798.400	768.450	798.450
	Pair 28-30/148-150	**7WDAT1G**	**aggregated 150 KHz**	768.350	798.350	768.425	798.425
04	Pair 37/157	**7WDAT2A**	**50 KHz**	768.800	798.800	768.825	798.825
05	Pair 38/158	**7WDAT2B**	**50 KHz**	768.850	798.850	768.875	798.875
06	Pair 39/159	**7WDAT2C**	**50 KHz**	768.900	798.900	768.925	798.925
	Pair 37-38/157-158	**7WDAT2E**	**aggregated 100 KHz (lower)**	768.800	798.800	768.850	798.850
	Pair 38-39/158-159	**7WDAT2F**	**aggregated 100 KHz (upper)**	768.850	798.850	768.900	798.900
	Pair 37-39/157-159	**7WDAT2G**	**aggregated 150 KHz**	768.800	798.800	768.875	798.875
07	**Pair 46/166**	**7WDAT3A**	**50 KHz - no aggregation = nationwide common**	**769.300**	**799.300**	769.325	799.325
08	Pair 47/167	**7WDAT3B**	**50 KHz - no aggregation**	769.350	799.350	769.375	799.375
09	**Pair 48/168**	**7WDAT3C**	**50 KHz - no aggregation = nationwide common**	**769.400**	**799.400**	769.425	799.425
10	**Pair 73/193**	**7WDAT4A**	**50 KHz - no aggregation = nationwide common**	**770.600**	**800.600**	770.625	800.625
11	Pair 74/194	**7WDAT4B**	**50 KHz - no aggregation**	770.650	800.650	770.675	800.675
12	**Pair 75/195**	**7WDAT4C**	**50 KHz - no aggregation = nationwide common**	**770.700**	**800.700**	770.725	800.725
13	Pair 82/202	**7WDAT5A**	**50 KHz**	771.050	801.050	771.075	801.075
14	Pair 83/203	**7WDAT5B**	**50 KHz**	771.100	801.100	771.125	801.125
15	Pair 84/204	**7WDAT5C**	**50 KHz**	771.150	801.150	771.175	801.175
	Pair 82-83/202-203	**7WDAT5E**	**aggregated 100 KHz (lower)**	771.050	801.050	771.100	801.100
	Pair 83-84/203-204	**7WDAT5F**	**aggregated 100 KHz (upper)**	771.100	801.100	771.150	801.150
	Pair 82-84/202-204	**7WDAT5G**	**aggregated 150 KHz**	771.050	801.050	771.125	801.125
16	Pair 91/211	**7WDAT6A**	**50 KHz**	771.500	801.500	771.525	801.525
17	Pair 92/212	**7WDAT6B**	**50 KHz**	771.550	801.550	771.575	801.575
18	Pair 93/213	**7WDAT6C**	**50 KHz**	771.600	801.600	771.625	801.625
	Pair 91-92/211-212	**7WDAT6E**	**aggregated 100 KHz (lower)**	771.500	801.500	771.550	801.550
	Pair 92-93/212-213	**7WDAT6F**	**aggregated 100 KHz (upper)**	771.550	801.550	771.600	801.600
	Pair 91-93/202-204	**7WDAT6G**	**aggregated 150 KHz**	771.500	801.500	771.575	801.575

Note: Channels 46 & 48 and 73 & 75 are reserved
as 50 KHz Nationwide Common Channels

700 MHz Wideband Channel Layout Plan – 767-773/797-803 MHz



Note: Channels 46 & 48 and 73 & 75 are reserved as 50 KHz Nationwide Common Channels

Appendix B – Interoperability Channel MOU Template

On State Interoperability Executive Committee Letterhead

TO: (signer of application and title)
(agency name)

FROM: (name), State Interoperability Executive Committee Chairperson

DATE: (mm/dd/yyyy)

SUBJECT: Memorandum of Understanding for Operating on the 700 MHz Interoperability Channels

This memorandum of understanding (hereafter referred to as MOU) shall be attached to the application when submitting it. By virtue of signing and submitting the application and this MOU, (agency name) (hereafter referred to as APPLICANT) affirms its willingness to comply with the proper operation of the Interoperability (interoperability) channels as dictated by the State Interoperability Executive Committee (here after referred to as SIEC) as approved by the Federal Communications Commission (hereafter referred to as FCC) and by the conditions of this MOU.

The APPLICANT shall abide by the conditions of this MOU which are as follows:

- To operate by all applicable State, County, and City laws/ordinances.
- To utilize "plain language" for all transmissions.
- To monitor the Calling Channel(s) and coordinate the use of the Tactical Channels.
- To identify inappropriate use and mitigate the same from occurring in the future.
- To limit secondary Trunked operation to the interoperability channels specifically approved on the application and limited to channels listed below.
- To relinquish secondary Trunked operation of approved interoperability channels to requests for primary conventional access with same or higher priority.
- To mitigate contention for channels by exercising the Priority Levels identified in this MOU.

The preceding conditions are the primary, though not complete, requirements for operating in the interoperability channels. Refer to the Region Plan for the complete requirements list.

Priority Levels:

1. Disaster or extreme emergency operation for mutual aid and interagency communications;
2. Emergency or urgent operation involving imminent danger to life or property;
3. Special event control, generally of a preplanned nature (including Task Force operations)
4. Single agency secondary communications (default priority).

To resolve contention within the same priority, the channel should go to the organization with the wider span of control/authority. This shall be determined by the State Interoperability Executive Committee or RPC for the operation or by the levels of authority/government identified in the contention.

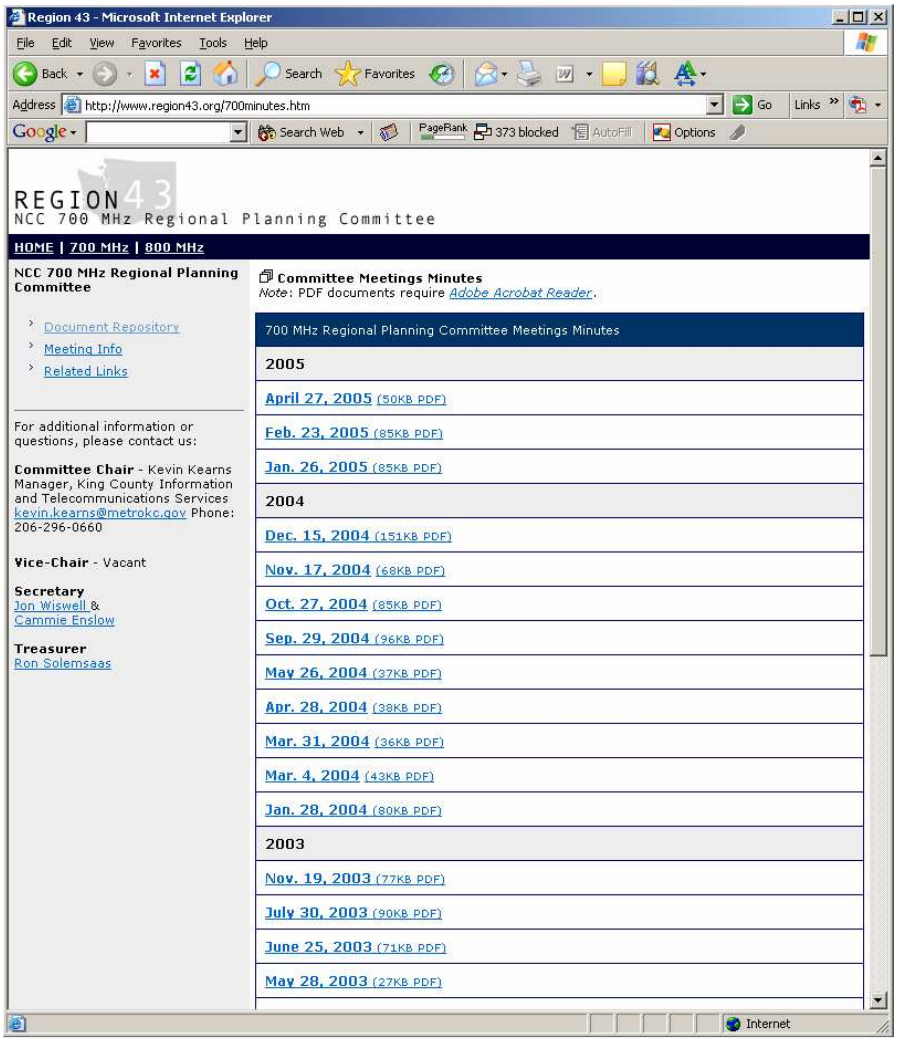
For clarification purposes and an aid to operate as authorized, any fixed base or mobile relay stations identified on the license for temporary locations (FCC station class FBT or FB2T, respectively) shall remain within the licensed area of operation. Similarly, vehicular/mobile repeater stations (FCC station class MO3) shall remain within the licensed area of operation. Federal agencies are permitted access to interoperability channels only as authorized by 47 CFR 2.102 (c) & 2.103 and Part 7.12 of the NTIA Manual.

Any violation of this MOU, the Region Plan, or FCC Rule shall be addressed immediately. The first level of resolution shall be between the parties involved, next the State Interoperability Executive Committee or RPC, and finally the FCC.

_____ (typed or printed name of authorized signer)
_____ (authorized signer identified above and consistent with application)
_____ (date)
_____ (agency name)
_____ (agency address)
_____ (agency address)
_____ (agency address)
_____ (signer's phone)
_____ (signer's email address, if available)

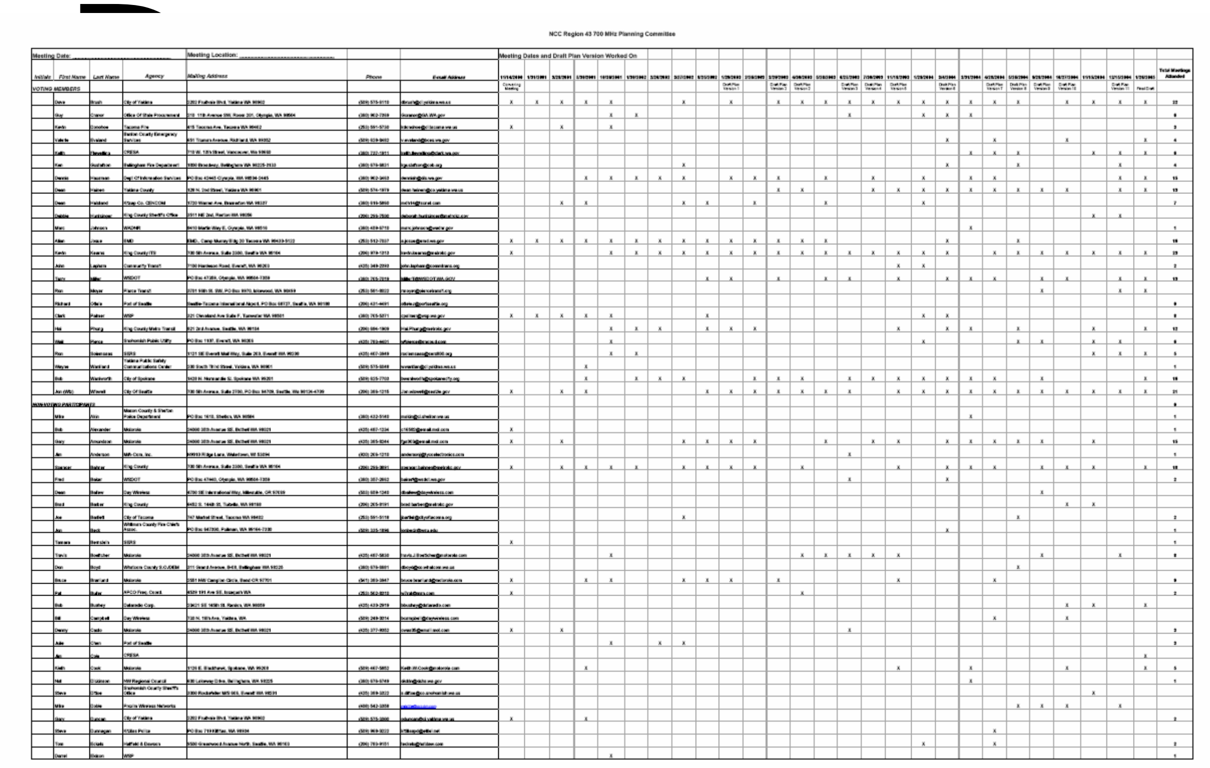
Appendix C – Region 43 RPC Meeting Minutes

All Minutes of the Region 43 Regional Planning Committee meetings are archived on the Region 43 web site www.region43.org . The following screen shot provides an example of how the Minutes are organized.



Appendix D – Region 43 RPC Membership and Meeting Attendance

Attached below (electronically) is the Region 43 700 MHz membership roster that also lists all meetings attended by the participants in the process. For legibility, the best way to print this document is on 11X17 paper in the landscape format. The source document for this information is also available on the Region 43 web site at _________________________ A sample of what the document looks like is shown below.



NCC Region 43 700 MHz Planning Committee

Meeting Date: | Meeting Location: | Meeting Dates and Draft Plan Version Worked On

Initials | First Name | Last Name | Agency | Mailing Address | Phone | Email Address | Total Meetings Attended

VOTING MEMBERS

Appendix E – Region 43 Listserver Subscribers and Outreach Committee Tracking Forms

The following is a listing of all Listserver subscribers as of December 23, 2004

Subscriber Name	Email Address
ABARAJAS@DAYWIRELESS.COM	ABARAJAS@DAYWIRELESS.COM
AMUNDSON GARY-FGA003	FGA003@MOTOROLA.COM
Bahner, Spencer	spencer.bahner@metrokc.gov
Barber, Brad	brad.barber@metrokc.gov
BARTLETT, JOE	JBARTLET@CI.TACOMA.WA.US
BLINCOLN@SPOKANEPOLICE.ORG	BLINCOLN@SPOKANEPOLICE.ORG
BRANLUND BRUCE-CSLH15	BRUCE.BRANLUND@MOTOROLA.COM
BRUSH, DAVE	DBRUSH@CI.YAKIMA.WA.US
C22909@EMAIL.MOT.COM	C22909@EMAIL.MOT.COM
CRANOR, GUY (GA)	GCRANOR@GA.WA.GOV
DAN JOHNSON	CHER4ME@HOTMAIL.COM
DARLING, LARRY	LDARLING@IDAHOPOWER.COM
DAYCOCK@CI.WALLA-WALLA.WA.US	DAYCOCK@CI.WALLA-WALLA.WA.US
DBALLEW@DAYWIRELESS.COM	DBALLEW@DAYWIRELESS.COM
DEAN.HEINEN@CO.YAKIMA.WA.US	DEAN.HEINEN@CO.YAKIMA.WA.US
DENNISH	DENNISH@DIS.WA.GOV
DLINDER	DLINDER@ADM.STATE.ID.US
DOUGKER@ATTGLOBAL.NET	DOUGKER@ATTGLOBAL.NET
Douglas, Sean	sean.douglas@metrokc.gov
DUANEM@U.WASHINGTON.EDU	DUANEM@U.WASHINGTON.EDU
DZEHRUNG@SPARLING.COM	DZEHRUNG@SPARLING.COM
EBOONE@CO.LINCOLN.WA.US	EBOONE@CO.LINCOLN.WA.US
EEMMEL@CITYOFBOISE.ORG	EEMMEL@CITYOFBOISE.ORG
ELDREDGEC@TYCOELECTRONICS.COM	ELDREDGEC@TYCOELECTRONICS.COM
Enslow, Cammie	cammie.enslow@metrokc.gov
EWASH4	EWASH4@ATTBI.COM
FRED.RADOVICH@MOTOROLA.COM	FRED.RADOVICH@MOTOROLA.COM
GARY PALMER	PALMG@PACIFICELECTRONICSINC.COM
GEORG SMITH	GEORG.SMITH@CI.SEATTLE.WA.US
GFORREST@MACRO.COM	GFORREST@MACRO.COM
GUY PLOEGMAN	GPLOEGMAN@PIERCEFIRE.ORG
HADLEYR@GAO.GOV	HADLEYR@GAO.GOV
HARRINGTON, JOEL (CITY SITE)	JHARRINGTON@CI.PORTLAND.OR.US
HULL, ALAN	HULLA@WSDOT.WA.GOV
JCOUTURE@CI.EVERETT.WA.US	JCOUTURE@CI.EVERETT.WA.US
JDUNSMOOR@CO.PACIFIC.WA.US	JDUNSMOOR@CO.PACIFIC.WA.US

JEREMY.MILLMAN@CLARK.WA.GOV	JEREMY.MILLMAN@CLARK.WA.GOV
JIM.COLE@CLARK.WA.GOV	JIM.COLE@CLARK.WA.GOV
JIM.KELLY	JIM.KELLY@WADNR.GOV
JKURAN@WCCCA.COM	JKURAN@WCCCA.COM
JMURRAY@FEDENG.COM	JMURRAY@FEDENG.COM
JNIGHTINGALE@MOTOROLA.COM	JNIGHTINGALE@MOTOROLA.COM
JOE BLASCHKA JR.	J.BLASCHKA@ADCOMM911.COM
JOESALLAK@EARTHLINK.NET	JOESALLAK@EARTHLINK.NET
JOHN.LAPHAM@COMMTRANS.ORG	JOHN.LAPHAM@COMMTRANS.ORG
JON.BECK@ICFD3.ORG	JON.BECK@ICFD3.ORG
JONBECK@WSU.EDU	JONBECK@WSU.EDU
JOSUE, ALLAN (EMD)	A.JOSUE@EMD.WA.GOV
JULIE_STINSON@ADMIN.STATE.AK.US	JULIE_STINSON@ADMIN.STATE.AK.US
KAZUSHIMIZU@ICOMAMERICA.COM	KAZUSHIMIZU@ICOMAMERICA.COM
Kearns, Kevin	kevin.kearns@metrokc.gov
KEITH.FLEWELLING@CLARK.WA.GOV	KEITH.FLEWELLING@CLARK.WA.GOV
KEITH.W.COOK@MOTOROLA.COM	KEITH.W.COOK@MOTOROLA.COM
KGUSTAFSON@COB.ORG	KGUSTAFSON@COB.ORG
Krajewski, Hank	hank.krajewski@metrokc.gov
KRIS MCGOWAN	KMCGOWAN@FCC.GOV
KYOUNG@MTN-WEST.COM	KYOUNG@MTN-WEST.COM
Layden, Shannon	shannon.layden@metrokc.gov
MAKIN@CI.SHELTON.WA.US	MAKIN@CI.SHELTON.WA.US
MDH14	MDH14@TSCNET.COM
MDOBLE@PUBLICSAFETYCOMMUNICATION.ORG	MDOBLE@PUBLICSAFETYCOMMUNICATION.ORG
MDOBLE@PUBLICSAFETYCOMMUNICATIONS.ORG	MDOBLE@PUBLICSAFETYCOMMUNICATIONS.ORG
MILLER, TERRY	MILLERT@WSDOT.WA.GOV
MWEBB@ICT-CONSULT.COM	MWEBB@ICT-CONSULT.COM
NBRUARK@QUALITYMOBILE.COM	NBRUARK@QUALITYMOBILE.COM
OHLSONH@WSDOT.WA.GOV	OHLSONH@WSDOT.WA.GOV
OTTELE, RICHARD	OTTELE.R@PORTSEATTLE.ORG
Overgaard, Dan	dan.overgaard@metrokc.gov
PARAYIL.B@PORTSEATTLE.ORG	PARAYIL.B@PORTSEATTLE.ORG
PETER.HAMBUCH@MOTOROLA.COM	PETER.HAMBUCH@MOTOROLA.COM
Phung, Hai	hai.phung@metrokc.gov
PIERCE, WALT	WFPIERCE@SNOPUD.COM
PRINDELJ@TYCOELECTRONICS.COM	PRINDELJ@TYCOELECTRONICS.COM
RFELT@NEXTEL.BLACKBERRY.NET	RFELT@NEXTEL.BLACKBERRY.NET
Rhodes, Ken	ken.rhodes@metrokc.gov
RICK.LAZO@CLARK.WA.GOV	RICK.LAZO@CLARK.WA.GOV
RKKEARNS123@MSN.COM	RKKEARNS123@MSN.COM

RMOYER@PIERCETRANSIT.ORG	RMOYER@PIERCETRANSIT.ORG
RPHILLIPS@DAYWIRELESS.COM	RPHILLIPS@DAYWIRELESS.COM
RSOLEMSAAS@SERS800.ORG	RSOLEMSAAS@SERS800.ORG
S.DITTOE@CO.SNOHOMISH.WA.US	S.DITTOE@CO.SNOHOMISH.WA.US
SBAHNER@SER800.ORG	SBAHNER@SER800.ORG
SHANNON LAYDEN	SHANNONLAYDEN@HOTMAIL.COM
SHARDING@DOGCOW.ORG	SHARDING@DOGCOW.ORG
SJONES	SJONES@COLUMBIA911.COM
SLANG@PIERCETRANSIT.ORG	SLANG@PIERCETRANSIT.ORG
SLIGHTNER@BUTTECOUNTY.NET	SLIGHTNER@BUTTECOUNTY.NET
SPEIDELBO@TYCOELECTRONICS.COM	SPEIDELBO@TYCOELECTRONICS.COM
SPENCER BAHNER	SBAHNER@SNOPAC.SNOHOMISH.WA.US
SPOPATIA@ICT-CONSULT.COM	SPOPATIA@ICT-CONSULT.COM
STAN.PASSEY	STAN.PASSEY@ISP.STATE.ID.US
STEVEN.MONSEY@SEATTLE.GOV	STEVEN.MONSEY@SEATTLE.GOV
STEVEN.ZIELKE@SEATTLE.GOV	STEVEN.ZIELKE@SEATTLE.GOV
TAPIO.J.MAKINEN@NOKIA.COM	TAPIO.J.MAKINEN@NOKIA.COM
THOMAS M. ECKELS	TECKELS@HATDAW.COM
THOWELL@SNOPAC.SNOHOMISH.WA.US	THOWELL@SNOPAC.SNOHOMISH.WA.US
TIM.GOSS@CLARK.WA.GOV	TIM.GOSS@CLARK.WA.GOV
TSAMUELSON@COB.ORG	TSAMUELSON@COB.ORG
TWOODS@ARINC.COM	TWOODS@ARINC.COM
V. M. SANDERS	MIKES@CO.BANNOCK.ID.US
V.EVELAND@BCES.WA.GOV	V.EVELAND@BCES.WA.GOV
WENTWORTH, BOB	BWENTWORTH@SPOKANECITY.ORG
WILKINSON, WILLIAM	WILKINSON.B@PORTSEATTLE.ORG
WILSON, BILL	WILSON.B@PORTSEATTLE.ORG

NOTIFICATION
ACTIONS LOG

Date	Action	From	To	#
1/28/2004	Formation of an Outreach Group: Leader: Kit Eldredge, Assistants: Cammie Enslow & Fred Radovich			1
1/29/2004	Email: Contact info and suggestions for assignments sent to group members	Enslow, Cammie	Kit Eldredge cc Fred Radovich	2
1/29/2004	Email: Address correction request for Fred.	Enslow, Cammie	Kit Eldredge cc Fred Radovich	3
1/29/2004	Email: Correcting address for Fred and advising group on status of Workgroup Charter	Eldredge, Christopher	Enslow, Cammie, Fred Radovich	4
2/5/2004	Email: Thanks to workgroup and scope of notification process, including a link to the RPC notification on the FCC site	Kearns, Kevin	Eldredge, Christopher; Enslow, Cammie; Fred Radovich cc Gary Palmer, Clark Palmer	5
2/11/2004	Email: Preliminary contact info and schedule for delivery of project scope	Eldredge, Christopher	Kearns, Kevin, Enslow, Cammie; Fred Radovich cc Gary Palmer, Clark Palmer	6
2/11/2004	Email: Thanks and offer to assist	Enslow, Cammie	Kit Eldredge	7
2/22/2004	Email: Checking whether meeting announcement has been sent out. Reminder that we need to document that notices were sent and advertising was completed.	Kearns, Kevin	Eldredge, Christopher; Enslow, Cammie; Fred Radovich cc Gary Palmer, Clark Palmer	8
2/22/2004	Kit notified us that he sent notification of upcoming meetings to APCO WA, WSAFC, WASPC, NENA & NWIF with a request to distribute to their members email database	Eldredge, Christopher	Kearns, Kevin, Enslow, Cammie; Fred Radovich cc Gary Palmer, Clark Palmer	9
2/23/2004	Email notification of upcoming meetings to APCO WA, with a request to distribute to members email database	Eldredge, Christopher	jnewcomer@amr-ems.com	10
2/23/2004	Email notification of upcoming meetings to WSAFC, with a request to distribute to members email database	Eldredge, Christopher	jbroman@laceyfire.com	11
2/23/2004	Email notification of upcoming meetings to NENA, with a request to distribute to members email database	Eldredge, Christopher	lsidletsky@nena9-1-1.org	12

2/23/2004	Email notification of upcoming meetings to WASPC, with a request to distribute to members email database	Eldredge, Christopher	webmaster@waspc.org	13
2/23/2004	Email notification of upcoming meetings to NWIFC, with a request to distribute to members email database	Eldredge, Christopher	contact@nwifc.org	14
2/23/2004	Email notification of upcoming meetings to AWC, with a request to distribute to members email database	Eldredge, Christopher	awc@awcnet.org	15
2/23/2004	Notification tracking spreadsheet created	Enslow, Cammie		16
2/23/2004	Kit emailed the Region 43 Outreach Charter, including a mission statement, goals & objectives, customers, communication, success indicators, etc.	Eldredge, Christopher	Kearns, Kevin, Enslow, Cammie; Fred Radovich cc Gary Palmer, Clark Palmer	17
2/23/2004	Email sent to let Kit know of work status	Enslow, Cammie	Eldredge, Christopher	18
2/23/2004	Email sent to APCO WA, with link of FCC notification of upcoming meetings with a request to verify it will be posted on website.	Enslow, Cammie	jnewcomer@amr-ems.com	19
2/23/2004	Email sent to AWC, with link of FCC notification of upcoming meetings with a request to verify it will be posted on website.	Enslow, Cammie	awc@awcnet.org	20
2/23/2004	Email from Teresa Russell at AWC notifying us that our email was forwarded to MichelleH@awcnet.org in her office.	teresar@awcnet.org	Enslow, Cammie	21
2/23/2004	Email sent to WSAFC, with link of FCC notification of upcoming meetings with a request to verify it will be posted on website.	Enslow, Cammie	diannar@wsafc.org	22
2/23/2004	Email sent to NENA, with link of FCC notification of upcoming meetings with a request to verify it will be posted on website.	Enslow, Cammie	lsidletsky@nena9-1-1.org	23
2/23/2004	Email sent to WASPC, with link of FCC notification of upcoming meetings with a request to verify it will be posted on website.	Enslow, Cammie	webmaster@waspc.org	24
2/23/2004	Email sent to NWIFC, with link of FCC notification of upcoming meetings with a request to verify it will be posted on website.	Enslow, Cammie	contact@nwifc.org	25

2/23/2004	Email to Teresa Russell at AWC thanking her for her support with our notification process.	Enslow, Cammie	teresar@awcnet.org	26
2/23/2004	Email sent to let Kit know of work status including first draft of spreadsheet for his review.	Enslow, Cammie	Eldredge, Christopher	27
2/23/2004	Email approving spreadsheet with request to add Sharon Fastocht at the League of Cities to the contacts.	Eldredge, Christopher	Enslow, Cammie	28
2/23/2004	Email with an additional 15 agencies of interest to add by next month (March). Fred and I will research these.	Eldredge, Christopher	Kearns, Kevin, Enslow, Cammie; Fred Radovich cc Gary Palmer, Clark Palmer	29
2/23/2004	Email agreeing to provide the info by the end of the week.	Fred Radovich	Eldredge, Christopher, Enslow, Cammie; cc Kearns, Kevin, Clark Palmer	30
2/24/2004	Email agreeing to add the requested info to the spreadsheet and to continue contact attempts.	Enslow, Cammie	Eldredge, Christopher	31
2/24/2004	Email reporting status and requesting info on lodging for Spokane meeting.	Enslow, Cammie	Eldredge, Christopher	32
2/24/2004	Email reporting status of work and requesting instructions on how to proceed.	Enslow, Cammie	Radovich Fred-CWAS03; Kit Eldredge	33
2/24/2004	Email reporting status of work and timetable for delivery of address information.	Fred Radovich	Eldredge, Christopher, Enslow, Cammie	34
2/24/2004	Email discussing which list of agencies need to be addressed and added to the list.	Enslow, Cammie	Radovich Fred-CWAS03; Kit Eldredge	35
2/24/2004	Email acknowledging work and time of delivery.	Fred Radovich	Eldredge, Christopher, Enslow, Cammie	36
2/25/2004	Email offering to pick up half to the new list of agencies.	Enslow, Cammie	Radovich Fred-CWAS03	37
2/25/2004	Email from Dianna Rider at WSAFC suggesting that we send our email to Duane Malo, Executive Director at Duanem@wsafc.org.	DiannaR@wsafc.org	Enslow, Cammie; cc Duane Malo	38
2/25/2004	Email to Dianna Rider thanking her for the referral.	Enslow, Cammie	Dianna Rider DiannaR@wsafc.org	39
2/25/2004	Email with Spokane hotel info and link.	Eldredge, Christopher	Enslow, Cammie	40

2/25/2004	Email forwarded to new WSAFC contact, with link of FCC notification of upcoming meetings with a request to verify it will be posted on website.	Enslow, Cammie	Duanem@wsafc.org	41
2/25/2004	Email acknowledging and accepting my offer to pick up half the list.	Radovich Fred-CWAS03	Enslow, Cammie	42
2/25/2004	Email re: Spokane lodging.	Enslow, Cammie	Eldredge, Christopher	43
2/25/2004	Email sent to US Mayors, with link of FCC notification of upcoming meetings with a request to verify it will be posted on website.	Enslow, Cammie	info@usmayors.org	44
2/25/2004	Email acknowledging my mailing	Duanem@wsafc.org	Enslow, Cammie	45
2/25/2004	Email delivering info for first seven agencies on second list.	Radovich Fred-CWAS03	Eldredge, Christopher, Enslow, Cammie	46
2/25/2004	Email suggesting that we copy Alan Hull, local AASHTO member, so he can follow up with membership in Wa. state.	Radovich Fred-CWAS03	Eldredge, Christopher, Enslow, Cammie	47
2/25/2004	Email discussing appropriateness of including the National organizations in our dissemination of information and need to contact HQ's to see if they have local affiliates or a WA member list.	Eldredge, Christopher	Radovich Fred-CWAS03, Enslow, Cammie	48
2/26/2004	Email acknowledging Fred's input and my timetable for inputting his info.	Enslow, Cammie	Radovich Fred-CWAS03	49
2/26/2004	Email providing better tribal contact information	Kearns, Kevin	Eldredge, Christopher; Enslow, Cammie; Fred Radovich cc Clark Palmer	50
2/26/2004	Email acknowledging expanded tribal contact information with a question about the best way to explain the allocations to a non-technical audience.	Enslow, Cammie	Kearns, Kevin, Eldredge, Christopher; Fred Radovich cc Clark Palmer	51
2/26/2004	Email requesting that the contact info from the site referenced above be entered into the tracker.	Eldredge, Christopher	Kearns, Kevin, Enslow, Cammie; Fred Radovich cc Clark Palmer	52
2/26/2004	Email requesting clarification.	Enslow, Cammie	Eldredge, Christopher	53
2/26/2004	Email providing information on appropriate clarification material to attach to our emails.	Kearns, Kevin	Eldredge, Christopher; Enslow, Cammie; Fred Radovich cc	54

			Clark Palmer	
2/26/2004	Email requesting creation of a distribution group to streamline notification process.	Eldredge, Christopher	Enslow, Cammie	55
2/26/2004	Email acknowledging clarification material & schedule for delivery of spreadsheet	Enslow, Cammie	Kearns, Kevin, Eldredge, Christopher; Fred Radovich cc Clark Palmer	56
2/26/2004	Email re: use of distribution group list.	Enslow, Cammie	Eldredge, Christopher	57
2/26/2004	Telcon with Duncan McClane of Lummi Island FD. Promised to send him fact sheet and links.	Enslow, Cammie		58
2/26/2004	Follow-up Email attaching 700 MHz information sheet.	Enslow, Cammie	chieflifd@msn.com ,	59
2/26/2004	Email suggesting contacting the Governor's OIA to ask if we can send info to one e-mail address and they could forward it to their list of appropriate people.	Eldredge, Christopher	Enslow, Cammie	60
2/27/2004	Email acknowledging Kits suggestion re: tribal contacts	Enslow, Cammie	Eldredge, Christopher	61
3/1/2004	Email sent to John Horsley at AASHTO with link to FCC notification of upcoming meetings, the Region 43 website, with a request to verify it will be posted on website and the informational handout on the 700 MHZ allocations.	Enslow, Cammie	jhorsley@aashto.org	62
3/1/2004	Email sent to Brian Hancock at ACEP with link to FCC notification of upcoming meetings, the Region 43 website, with a request to verify it will be posted on website and the informational handout on the 700 MHZ allocations.	Enslow, Cammie	bhancock@acep.org	63
3/1/2004	Email sent to the Red Cross with link to FCC notification of upcoming meetings, the Region 43 website, with a request to verify it will be posted on website and the informational handout on the 700 MHZ allocations.	Enslow, Cammie	info@seattleredcross.org	64

3/1/2004	Email sent to FEMA with link of FCC notification of upcoming meetings, the Region 43 website, with a request to verify it will be posted on website and the informational handout on the 700 MHZ allocations.	Enslow, Cammie	r3webmaster@fema.gov	65
3/1/2004	Email sent to FPIC (formerly FLEWUG) with link of FCC notification of upcoming meetings, the Region 43 website, with a request to verify it will be posted on website and the informational handout on the 700 MHZ allocations.	Enslow, Cammie	amccoll@equals3.com	66
3/1/2004	Email sent to FCCA with link of FCC notification of upcoming meetings, the Region 43 website, with a request to verify it will be posted on website and the informational handout on the 700 MHZ allocations.	Enslow, Cammie	reg4fcca@aol.com	67
3/1/2004	Telcon with Heather at the GOIA, per Kit's suggestion, requesting her assistance with tribal notification of upcoming meetings. Heather promised to review and email or fax our announcement to all interested WA state tribes.	Enslow, Cammie		68
3/1/2004	Email sent to Heather at the GOIA with link to FCC notification of upcoming meetings, the Region 43 website, with a request to verify it will be posted on website and the informational handout on the 700 MHZ allocations.	Enslow, Cammie	heatherp@goia.wa.gov	69
3/1/2004	Email sent to IMSA with link of FCC notification of upcoming meetings, the Region 43 website, with a request to verify it will be posted on website and the informational handout on the 700 MHZ allocations.	Enslow, Cammie	info@imsasafety.org	70
3/1/2004	Email sent to IBTTA with link of FCC notification of upcoming meetings, the Region 43 website, with a request to verify it will be posted on website and the informational handout on the 700 MHZ allocations.	Enslow, Cammie	pjones@ibtta.org	71

3/1/2004	Email sent to NASEMSD with link of FCC notification of upcoming meetings, the Region 43 website, with a request to verify it will be posted on website and the informational handout on the 700 MHZ allocations.	Enslow, Cammie	info@nasemsd.org	72
3/1/2004	Email sent to NGA with link of FCC notification of upcoming meetings, the Region 43 website, with a request to verify it will be posted on website and the informational handout on the 700 MHZ allocations.	Enslow, Cammie	webmaster@nga.org	73
3/1/2004	Email from Alyson McColl saying she had forwarded my email to FLEWUG to SAFECOM, who will see that it gets to the right person.	AMcColl@equals3.com	Enslow, Cammie	74
3/1/2004	Email thanking Alyson McColl for her assistance.	Enslow, Cammie	AMcColl@equals3.com	75
3/1/2004	Email reporting on notification status with second draft of spreadsheet attached.	Enslow, Cammie	Eldredge, Christopher; cc Fred Radovich	76
3/1/2004	Email thanks from Fred, who suggest forwarding work to Kevin	Radovich Fred-CWAS03	Enslow, Cammie, Eldredge, Christopher, cc Kearns, Kevin	77
3/2/2004	Telcon with Ed Klahn of Forks PD. Will send him the minutes of our last meeting.	Enslow, Cammie		78
3/2/2004	Email from Rick Murphy of the DHS, promising to pass along our info and post it on the SAFECOM web page, which many PS members visit for the latest PS events including RPC meetings.	Rick.Murphy@dhs.gov	Enslow, Cammie, cc Patti Yesko; Coty, Thomas; Erin Elder	79
3/2/2004	Email thanking Rick for his assistance.	Enslow, Cammie	Rick.Murphy@dhs.gov	80
3/2/2004	Email showing response to a frustrating search, and suggesting we add our notification efforts to Section 4 of Draft 6.	Enslow, Cammie	Eldredge, Christopher, Fred Radovich; cc Kearns, Kevin	81
3/2/2004	Email from Thomas McGill at Eastern WA U letting me know he will be attending our meeting.	tmcgill@mail.ewu.edu	Enslow, Cammie	82
3/2/2004	Email thanking Tom and asking him to introduce himself to us at the meeting.	Enslow, Cammie	tmcgill@mail.ewu.edu	83
3/2/2004	Email thanks from Fred, for work on Notification List.	Radovich Fred-CWAS03	Enslow, Cammie, Eldredge, Christopher, cc Kearns, Kevin	84

3/2/2004	Email letting us know that our notification is the first he has heard about the 700 MHz process.	tmcgill@mail.ewu.edu	Enslow, Cammie	85
3/2/2004	Email asking me to contact FEMA Region X, which handles Washington state.	Melissa.Janssen@dhs.gov	Enslow, Cammie	86
3/2/2004	Email commending the efforts of the committee, asking us to keep good notes to aid in adding a notification paragraph to the Draft.	Kearns, Kevin	Enslow, Cammie; Kit Eldredge; Fred Radovich	87
3/2/2004	Email sent to FEMA with link of FCC notification of upcoming meetings, the Region 43 website, with a request to verify it will be posted on website and the informational handout on the 700 MHZ allocations.	Enslow, Cammie	John.Pennington@FEMA.gov	88
3/2/2004	Email thanking Melissa, letting her know the info had been forwarded to John Pennington.	Enslow, Cammie	Melissa.Janssen@dhs.gov	89
3/2/2004	Email in response to a phone call from to Ed Klahn, including the Handout and links with a brief summary of what it's all about.	Enslow, Cammie	ekla.forks@centurytel.net	90
3/4/2004	Email re: missed meeting with a promise to call regarding finalization of tracker.	Eldredge, Christopher	Enslow, Cammie; Fred Radovich cc Clark Palmer; Kearns, Kevin	91
3/5/2004	Email regarding finalization of tracker.	Enslow, Cammie	Eldredge, Christopher; cc Fred Radovich	92
3/8/2004	Email with attachment containing suggested language for the Draft describing the notification efforts of the Outreach Workgroup.	Enslow, Cammie	Kearns, Kevin	93
3/8/2004	Email from Ted Krysinski supplying contact info for the Port Townsend Fire Department.	opschief@ci.port-townsend.wa.us	Enslow, Cammie	94
3/9/2004	Email requesting an address for the Washington State Chapter of ACEP, if available.	Enslow, Cammie	bhancock@acep.org	95
3/9/2004	Email requesting an address for a local address for the Red Cross, if available.	Enslow, Cammie	info@seattleredcross.org	96
3/9/2004	Email requesting an address for the Washington State Chapter of APCO, if available.	Enslow, Cammie	Jnewcomer@AMR-EMS.com	97
3/9/2004	Email requesting an address for the Washington State Chapter of FPIC, if available, and a better email address.	Enslow, Cammie	amccoll@equals3.com	98
3/9/2004	Email requesting an address for the Washington State Chapter of	Enslow, Cammie	reg4fcca@aol.com	99

	the FCCA, if available.			
3/9/2004	Email response from Mike Eagan referring us to www.redcrosswashington.org for a list and contact info for the 15-16 Red Cross chapters in Washington State.	Mike.Eagan@seattleredcross.org	Enslow, Cammie	100
3/9/2004	Email requesting an address for the Washington State Chapter of the IAG, if available.	Enslow, Cammie	fccinfo@fcc.gov	101
3/9/2004	An automated response to acknowledge receipt of our e-mail.	fccinfo@fcc.gov	Enslow, Cammie	102
3/9/2004	Email requesting an address for the Washington State Chapter of the IMSA, if available.	Enslow, Cammie	info@imsasafety.org	103
3/9/2004	Email response from Jerry Newcomer, letting us know that official Chapter correspondence goes to the Chapter Secretary and providing his address.	JNewcomer@amr-ems.com	Enslow, Cammie	104
3/9/2004	Email from Alyson McColl referring us to safecom@dhs.gov for FPIC address info requested.	AMcColl@equals3.com	Enslow, Cammie	105
3/9/2004	Email from Jim Kelly supplying FCCA address info requested.	Reg4FCCA@aol.com	Enslow, Cammie	106
3/9/2004	Email requesting an address for the Washington State Chapter of the IBTTA, if available.	Enslow, Cammie	pjones@ibtta.org	107
3/9/2004	Email requesting an address for the Washington State Chapter of the NENA, if available.	Enslow, Cammie	info@nasemsd.org	108
3/9/2004	Email requesting an address for the Washington State Chapter of the NASEMSD, if available.	Enslow, Cammie	lsidletsky@nena9-1-1.org	109
3/9/2004	Email requesting an address for the Washington State Chapter of the NGA, if available.	Enslow, Cammie	webmaster@nga.org	110
3/9/2004	Email requesting an address for a local Chapter of NPSTC, if available, and another email address, if preferred.	Enslow, Cammie	Marilyn.Ward@ocfl.net	111
3/9/2004	Email requesting an address for the Washington State Chapter of NWIF, if available, and another email address, if preferred.	Enslow, Cammie	contact@nwifc.org	112

3/9/2004	Email: "I think you have contacted the wrong organization. This is the Northwest Indian Fisheries Commission. www.nwifc.org" *Be sure to respond with an explanation of tribal application.	ameyer@nwifc.org	Enslow, Cammie	113
3/9/2004	Email requesting a local mailing address for the PSWN (now part of Safecom), if available, and an appropriate recipient for email.	Enslow, Cammie	amccoll@equals3.com	114
3/9/2004	Email from Sharon Kelly, supplying a local contact for EMS.	skelly@asmii.net	Enslow, Cammie	115
3/9/2004	Email requesting an address for the US Conference of Mayors, if available, and another email address, if preferred.	Enslow, Cammie	info@usmayors.org	116
3/9/2004	Email requesting a better email address for WASPC, if available.	Enslow, Cammie	webmaster@waspc.org	117
3/9/2004	Email response from Pat Jones of IBTTA, explaining that there is no local chapter, and supplying a local contact person.	pjones@ibtta.org	Enslow, Cammie	118
3/9/2004	Email from Alyson McColl once again referring me to Safecom. *Apologize for duplicate email.	AMcColl@equals3.com	Enslow, Cammie	119
3/10/2004	Email response informing us that a local address should be available at www.acep.org or by calling Chapter Relations 1800-798-1822 Ext 3227	Captain626@aol.com	Enslow, Cammie	120
3/10/2004	Email from Melissa Janssen referring me to FEMA Region X and supplying a local address.	Melissa.Janssen@dhs.gov	Enslow, Cammie	121
3/10/2004	Email regarding adding the National Translator Association to our notification list.	Enslow, Cammie	Dean Heinen; Kit Eldredge; Fred Radovich, cc Kearns, Kevin	122
3/10/2004	Email from Sheriff Bill Mahoney, of the Cowlitz County Sheriff's Office, wondering what this is all about and whether Cowlitz County is represented.	MahoneyB@co.cowlitz.wa.us	Enslow, Cammie	123
3/10/2004	Email responding to Sheriff Bill Mahoney, of the Cowlitz County Sheriff's Office, explaining what the allocations mean and how to become involved to whatever level they wish.	Enslow, Cammie	MahoneyB@co.cowlitz.wa.us	124

3/10/2004	Email from Sheriff Bill Mahoney, of the Cowlitz County Sheriff's Office, thanking us for the quick response.	MahoneyB@co.cowlitz.wa.us	Enslow, Cammie	125
3/10/2004	Email requesting we "go with what we've got", ignore the LPTV group and finish the spreadsheet.	Eldredge, Christopher	Enslow, Cammie	126
3/10/2004	Email re: notification procedures listed in ITEM 4 of the Guidelines, and current spreadsheet.	Enslow, Cammie	Kit Eldredge); Fred Radovich cc Kearns, Kevin	127
3/11/2004	Letter to NACO with link of FCC notification of upcoming meetings, the Region 43 website, with a request to verify it will be posted on website and the informational handout on the 700 MHZ allocations. (Earlier fax failed)	Enslow, Cammie		128
3/15/2004	Email from Marilyn Ward saying she had passed my email along to the NPSTC support office	Marilyn.Ward@ocfl.net	Enslow, Cammie	129
3/15/2004	Email letting Mike Eagan know that I found the info he referenced.	Enslow, Cammie	Mike Eagan	130
3/15/2004	Email thanking Ted for the local info he sent.	Enslow, Cammie	Ted Krysinski	131
3/15/2004	Email thanking Jerry for the local info he sent.	Enslow, Cammie	Newcomer, Jerry	132
3/15/2004	Email requesting a local mailing address for the FPIC (now part of Safecom), if available, and an appropriate recipient for email.	Enslow, Cammie	safecom@dhs.gov	133
3/15/2004	Email thanking Jim Kelly for the local info he sent.	Enslow, Cammie	Reg4FCCA@aol.com	134
3/15/2004	Email explaining the RPC to Tony Meyer of NWIF and its applicability to the tribes. Included the usual links and handout with an invitation to join the process to whatever degree he wished.	Enslow, Cammie	Tony Meyer	135
3/15/2004	Email from Funk, David of NPSTC supplying local contact info.	dafunk@du.edu	Enslow, Cammie	136
3/15/2004	Email thanking Jim KellyDavid for the local info he sent.	Enslow, Cammie	dafunk@du.edu	137
3/15/2004	Email from Fred regarding previous work.	Radovich Fred-CWAS03	Enslow, Cammie	138
3/15/2004	Email from the FCC supplying contact info.	FCCInfo@fcc.gov		139

3/15/2004	Email agreeing with Kit re: ignoring the LPTV group and finishing the spreadsheet.	Radovich Fred-CWAS03	Enslow, Cammie	140
3/18/2004	Telephoned News media information @ (202) 418-0500, got Toll Free number (888) 225-5322. Recorded contact info from website: http://wireless.fcc.gov/publicsafety/700MHz/.			141
3/18/2004	Emailed the team final version of notification worksheet and distribution worksheet.	Enslow, Cammie	Kit Eldredge; Fred Radovich cc Kearns, Kevin	142
3/19/2004	Email from Kit sending me the revised Outreach Tracking form with his additions and notifying me that he is going to send out a broadcast e-mail introducing himself and asking for an estimate of the number of people in each of the associations/groups distribution database, in an effort to understand how many individuals will receive our various mailings.	Kit Eldredge	Enslow, Cammie, Fred Radovich cc Kearns, Kevin	143
3/22/2004	Email notifying me that Alan Hall, State of Washington, Department of Transportation called regarding our notification message.	Switzer, Kirsten	Enslow, Cammie	144
3/23/2004	Responding to our email email forwarded by the Fire Chiefs Association, sending contact information for the Spokane Fire Department and requesting information on our organization..	Williams, Bobby	Enslow, Cammie	145
3/31/2004	Kit's test e-mail to the Notificaiton List asking for clarification of numbers that will be reached.	Kit Eldredge	Notification List	146
3/31/2004	Sending the latest spreadsheet with additional e-mail addresses for the WA SIEC.	Kit Eldredge	Enslow, Cammie	147
4/1/2004	Acknowledging the changes to the list..	Enslow, Cammie	Kit Eldredge	148
4/1/2004	Responding to Bobby's email, and providing contact information for our organization..	Enslow, Cammie	Williams, Bobby	149
4/1/2004	FYI to Kit re: the info I sent Bobby.	Enslow, Cammie	Kit Eldredge	150

6/3/2004	Updating Kit on Kevin's suggestions that the best use of our notification list may be to send a brief email explaining the status of the regional planning effort and how close we are to completing our plan and attach the meeting slides and/or minutes. Also, discussed a plan for vendor presentations.	Enslow, Cammie	Kit Eldredge	151
6/11/2004	Sending link to latest update of Region 43 700 MHz RPC activity and the Draft Plan, Version 8 and announcing vendor presentations. Also, requesting that the announcement be posted to agency websites and forwarded to members.	Kit Eldredge	Notification List	152
6/18/2004	Sending our 700 MHz info handout to them.	Enslow, Cammie	info@clallam.org	153
7/16/2004	Sending Scott Somers (KCSO Field Ops Major) information on the RPC activities and schedule.	Enslow, Cammie	Somers, Scott	154
11/29/2004	Requesting help encouraging broad Washington Statewide participation in the December and January Region 43 700 MHz RPC meetings, particularly the January meeting. Also, requesting that the announcement be posted to agency websites and forwarded to members.	Kit Eldredge	Dennis Hausman, cc Notification List	155
12/23/2004	Requesting the list of all the notification addresses	Kearns, Kevin	Enslow, Cammie; Kit Eldredge	156
12/23/2004	Providing the requested list.	Kit Eldredge	Kearns, Kevin, Enslow, Cammie	157
12/23/2004	Sending the latest version of the spreadsheet and asking Kit if he has anything newer.	Enslow, Cammie	Kearns, Kevin, cc Kit Eldredge	158
12/23/2004	Email letting us know that the attachment is empty.	Kearns, Kevin	Enslow, Cammie; Kit Eldredge	159
12/27/2004	Re-sending the notification list.	Kit Eldredge	Kearns, Kevin, Enslow, Cammie	160
12/30/2004	Requesting further information and clarification.	Kearns, Kevin	Enslow, Cammie; cc Kit Eldredge	161
12/30/2004	Re-sending the latest version of the spreadsheet with notes about locating desired info.	Enslow, Cammie	Kearns, Kevin, cc Kit Eldredge	162
12/30/2004	Requesting updates to Notification Log and explaining how information will be used.	Kearns, Kevin	Enslow, Cammie; cc Kit Eldredge	163

12/30/2004	Email to Kit asking him to handle Kevin's request push out the notification he sent to the RPC listserver with the Final Draft attached, while I update the Notification Log.	Enslow, Cammie	Kit Eldredge, cc Kearns, Kevin	164
12/30/2004	Sending the Final Draft of the Region 43 700 MHz Plan with instructions for submission of proposed edits or comments and designation of voting members and a request to post the message to agency websites and forward to members or appropriate individulas for their input.	Kit Eldredge	Dennis Hausman, Notification List, cc Enslow, Cammie, Speidel, Bob	165
12/30/2004	Sending additions for inclusion in the Notification Log.	Kit Eldredge	Enslow, Cammie	166
12/30/2004	Sending updated version of spreadsheet to Chair.	Enslow, Cammie	Kearns, Kevin, Kit Eldredge	167

REGION 43 PLANNING COMMITTEE CONTACT ADDRESS INFO

Agency	Address	E-mail Address
American Association of State Highway and Transportation Officials	AASHTO 444 N. Capitol St. NW, Suite 249 Washington, DC 20001	jhorsley@aashto.org
Agency	Address	E-mail Address
American College of Emergency Physicians	ACEP P.O. Box 619911 Dallas, TX 75261-9911	bhancock@acep.org
Agency	Address	E-mail Address
American Red Cross	American Red Cross (Int'l HQ) 6206 Belcrest Road Hyattsville, MD 20782	info@seattleredcross.org
	American Red Cross (King County) 1900 25th Avenue South (PO Box 3097) Seattle, WA 98114-3097	
Agency	Address	E-mail Address
Association of Public Safety Communications Officials	APCO (Int'l HQ) 351 N. Williamson Blvd. Daytona Beach, FL 32114-1112	
	Jerry Newcomer, APCO Chapter Secretary 13075 Gateway Dr, Suite 100 Tukwila, WA 98168	Jnewcomer@AMR-EMS.com
Agency	Address	E-mail Address
Association of WA Cities	Association of WA Cities 1076 Franklin St. SE Olympia, WA 98501-1346	stanf@awcnet.org
Agency	Address	E-mail Address
Federal Communications Commission	Chief, Wireless Telecommunications Bureau c/o The Public Safety and Private Wireless Division Attn.: Joy Alford Federal Communications Commission 445 12th Street, SW Washington, DC 20554	joy.alford@fcc.gov
Agency	Address	E-mail Address

Federal Emergency Management Agency	FEMA Region X 130 228th Street, SW Bothell, WA 98021	r3webmaster@fema.gov
Agency	Address	E-mail Address
Federal Partnership for Interoperable Communications (FPIC)	FPIC (Formerly FLEWUG)	james.downes@dhs.gov
Agency	Address	E-mail Address
Forestry Conservation Communications Association	FCCA (Nat'l) Hall of the States, 444 North Capitol Street Washington, DC 20001-1512	
	Sgt John McIntosh, FCCA President C/C WA Dept Fish and Wildlife, 420 West 31st Street Kennewick, WA 99337-5024	mcintjdm@dfw.wa.gov
	Marc Johnson, Chairperson FCCA Region 4 C/O Department of Natural Resources 8410 Martin Way East Olympia, WA 98504	reg4fcca@aol.com
Agency	Address	E-mail Address
Governor's Office of Indian Affairs	GOIA (WA) 1210 Eastside St, 1st Floor (PO Box 40909) Olympia, WA 98504-0909	heatherp@goia.wa.gov
Agency	Address	E-mail Address
Intergovernmental Advisory Committee (Formerly Local & State Government Advisory Committee)	IAC % FCC 445 12th Street SW Washington, DC 20554	Carmen.Scanlon@fcc.gov
Agency	Address	E-mail Address
International Bridge, Tunnel and Turnpike Association	IBTTA 1146 19th St. NW, Suite 800 Washington, DC 20036-3725	pjones@ibtta.org
	Mr. David Pope, Toll Systems Manager Washington State Department of Transportation 3214 50th Street Court NW, Suite 302 Gig Harbor, Washington	
Agency	Address	E-mail Address

International Municipal Signal Association	IMSA PO Box 539/ 165 East Union Street Newark, NY 14513-0539	info@imsasafety.org
Agency	Address	E-mail Address
National Association of Counties	NACO 440 First Street, NW, Suite 800 Washington, DC 20001	tgoodman@naco.org
Agency	Address	E-mail Address
National Association of State EMS Directors	NASEMSD 111 Park Place, Falls Church VA 22046-4513	janet.griffith@doh.wa.gov
	Janet Griffith, Director Department of Health Office of Emergency Medical & Trauma Prevention P.O. Box 47853 Olympia, WA 98504-7853	
Agency	Address	E-mail Address
National Emergency Number Association	NENA 4350 North Fairfax Drive, Suite 750 Arlington, VA 22203-1695	lsidletsky@nena9-1-1.org
Agency	Address	E-mail Address
National Governors Association	NGA Hall of States, 444 N. Capitol St. Washington, D.C. 20001-1512	webmaster@nga.org
Agency	Address	E-mail Address
National Public Safety Telecommunications Council	NPSTC: David L. Funk , Deputy Manager Communications Technology - Out Reach National Law Enforcement & Corrections Technology Ctr Rocky Mountain Region - NPSTC Support Office University of Denver - 2049 E. Iliff Avenue Denver, CO 80207	dafunk@du.edu
Agency	Address	E-mail Address
Northwest Indian Fisheries Commission	Anthony M. Meyer Manager, Information & Education Services Division Northwest Indian Fisheries Commission 6730 Martin Way E.	ameyer@nwifc.org

	Olympia, WA 98516	
Agency	Address	E-mail Address
Public Safety Wireless Network	% SAFECOM (see note on Info page) P.O. Box 57243 Washington, DC 20037	
Agency	Address	E-mail Address
US Conference of Mayors	US Conference of Mayors 1621 I St., NW Washington, D.C. 200	info@usmayors.org
Agency	Address	E-mail Address
WA Association of Sheriffs & Police Chiefs	WASPC Larry Erickson, Executive Director 3060 Willamette Lacey, WA 98516	larrye@thurston.com
Agency	Address	E-mail Address
WA State Association of Fire Chiefs	WSAFC 605 E 11th, Suite 211 (PO Box 7964) Olympia, WA 98507-7964	Duanem@wsafc.org
Agency	Address	E-mail Address
WA State SIEC	Chief Lowell Porter - WSP Alan Komenski - Assoc. WA Cities Jim Broman - WA Assoc of FC John Conrad - WSDOT Ken Irwin - WA Assoc PC Timothy Lowenberg - Adjutant General, Washington Military Dept Mark Kahley - DNR Mary Corso - Washington State Fire Marshall Mike Doherty - Washington State Association of Counties Rob Sofie - WA Assoc PC Stuart McKee - WA CIO Tom Griffith - Washington State Emergency Managers Association Glen Woodbury - WA EMD	siec@dis.wa.gov akomenski@ci.bellevue.wa.us jbroman@laceyfire.com conradj@wsdot.wa.gov siec@dis.wa.gov siec@dis.wa.gov mark.Kahley@wadnr.gov mary.Corso@wsp.wa.gov siec@dis.wa.gov siec@dis.wa.gov siec@dis.wa.gov tom.Griffith@clark.wa.gov siec@dis.wa.gov

Appendix F – FCC Channel Plan for Public Safety 700 MHz Band

700 MHz BAND PLAN per *Fourth MO&O* in WT Dkt. 96-86 (TV Chs. 63/64)

480 NARROWBAND **BASE** CHANNELS - SEGMENT 1 (6.25 kHz each, aggregate to 25 kHz)

764 MHz

401	321	241	161	81	1
402	322	242	162	82	2
403	323	243	163	83	3
404	324	244	164	84	4
405	325	245	165	85	5
406	326	246	166	86	6
407	327	247	167	87	7
408	328	248	168	88	8
409	329	249	169	89	9
410	330	250	170	90	10
411	331	251	171	91	11
412	332	252	172	92	12
413	333	253	173	93	13
414	334	254	174	94	14
415	335	255	175	95	15
416	336	256	176	96	16
417	337	257	177	97	17
418	338	258	178	98	18
419	339	259	179	99	19
420	340	260	180	100	20
421	341	261	181	101	21
422	342	262	182	102	22
423	343	263	183	103	23
424	344	264	184	104	24
425	345	265	185	105	25
426	346	266	186	106	26
427	347	267	187	107	27
428	348	268	188	108	28
429	349	269	189	109	29
430	350	270	190	110	30
431	351	271	191	111	31
432	352	272	192	112	32
433	353	273	193	113	33
434	354	274	194	114	34
435	355	275	195	115	35
436	356	276	196	116	36
437	357	277	197	117	37
438	358	278	198	118	38
439	359	279	199	119	39
440	360	280	200	120	40
441	361	281	201	121	41
442	362	282	202	122	42
443	363	283	203	123	43
444	364	284	204	124	44
445	365	285	205	125	45
446	366	286	206	126	46
447	367	287	207	127	47
448	368	288	208	128	48
449	369	289	209	129	49
450	370	290	210	130	50
451	371	291	211	131	51
452	372	292	212	132	52
453	373	293	213	133	53
454	374	294	214	134	54
455	375	295	215	135	55
456	376	296	216	136	56
457	377	297	217	137	57
458	378	298	218	138	58
459	379	299	219	139	59
460	380	300	220	140	60
461	381	301	221	141	61
462	382	302	222	142	62
463	383	303	223	143	63
464	384	304	224	144	64
465	385	305	225	145	65
466	386	306	226	146	66
467	387	307	227	147	67
468	388	308	228	148	68
469	389	309	229	149	69
470	390	310	230	150	70
471	391	311	231	151	71
472	392	312	232	152	72
473	393	313	233	153	73
474	394	314	234	154	74
475	395	315	235	155	75
476	396	316	236	156	76
477	397	317	237	157	77
478	398	318	238	158	78
479	399	319	239	159	79
480	400	320	240	160	80

767 MHz

120 WIDEBAND **BASE** CHANNELS - SEGMENT 1 (50 kHz each, aggregate to 150 kHz)

767 MHz

1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54
55	56	57	58	59	60	61	62	63
64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99
100	101	102	103	104	105	106	107	108
109	110	111	112	113	114	115	116	117
118	119	120						

773 MHz

480 NARROWBAND **BASE** CHANNELS - SEGMENT 2 (6.25 kHz each, aggregate to 25 kHz)

773 MHz

881	801	721	641	561	481
882	802	722	642	562	482
883	803	723	643	563	483
884	804	724	644	564	484
885	805	725	645	565	485
886	806	726	646	566	486
887	807	727	647	567	487
888	808	728	648	568	488
889	809	729	649	569	489
890	810	730	650	570	490
891	811	731	651	571	491
892	812	732	652	572	492
893	813	733	653	573	493
894	814	734	654	574	494
895	815	735	655	575	495
896	816	736	656	576	496
897	817	737	657	577	497
898	818	738	658	578	498
899	819	739	659	579	499
900	820	740	660	580	500
901	821	741	661	581	501
902	822	742	662	582	502
903	823	743	663	583	503
904	824	744	664	584	504
905	825	745	665	585	505
906	826	746	666	586	506
907	827	747	667	587	507
908	828	748	668	588	508
909	829	749	669	589	509
910	830	750	670	590	510
911	831	751	671	591	511
912	832	752	672	592	512
913	833	753	673	593	513
914	834	754	674	594	514
915	835	755	675	595	515
916	836	756	676	596	516
917	837	757	677	597	517
918	838	758	678	598	518
919	839	759	679	599	519
920	840	760	680	600	520
921	841	761	681	601	521
922	842	762	682	602	522
923	843	763	683	603	523
924	844	764	684	604	524
925	845	765	685	605	525
926	846	766	686	606	526
927	847	767	687	607	527
928	848	768	688	608	528
929	849	769	689	609	529
930	850	770	690	610	530
931	851	771	691	611	531
932	852	772	692	612	532
933	853	773	693	613	533
934	854	774	694	614	534
935	855	775	695	615	535
936	856	776	696	616	536
937	857	777	697	617	537
938	858	778	698	618	538
939	859	779	699	619	539
940	860	780	700	620	540
941	861	781	701	621	541
942	862	782	702	622	542
943	863	783	703	623	543
944	864	784	704	624	544
945	865	785	705	625	545
946	866	786	706	626	546
947	867	787	707	627	547
948	868	788	708	628	548
949	869	789	709	629	549
950	870	790	710	630	550
951	871	791	711	631	551
952	872	792	712	632	552
953	873	793	713	633	553
954	874	794	714	634	554
955	875	795	715	635	555
956	876	796	716	636	556
957	877	797	717	637	557
958	878	798	718	638	558
959	879	799	719	639	559
960	880	800	720	640	560

776 MHz

NARROWBAND CHANNELS:

Two may be combined provided that the lower channel number is odd (e.g., 1, 3, 5)

Four may be combined provided that the lower channel number is 1 + 4n, n = 0 to 479 (e.g., 1, 5,... 1917)

Narrowband channels must maintain a data throughput efficiency of not less than 4.8 kbps for each 6.25 kHz of bandwidth.

WIDEBAND CHANNELS:

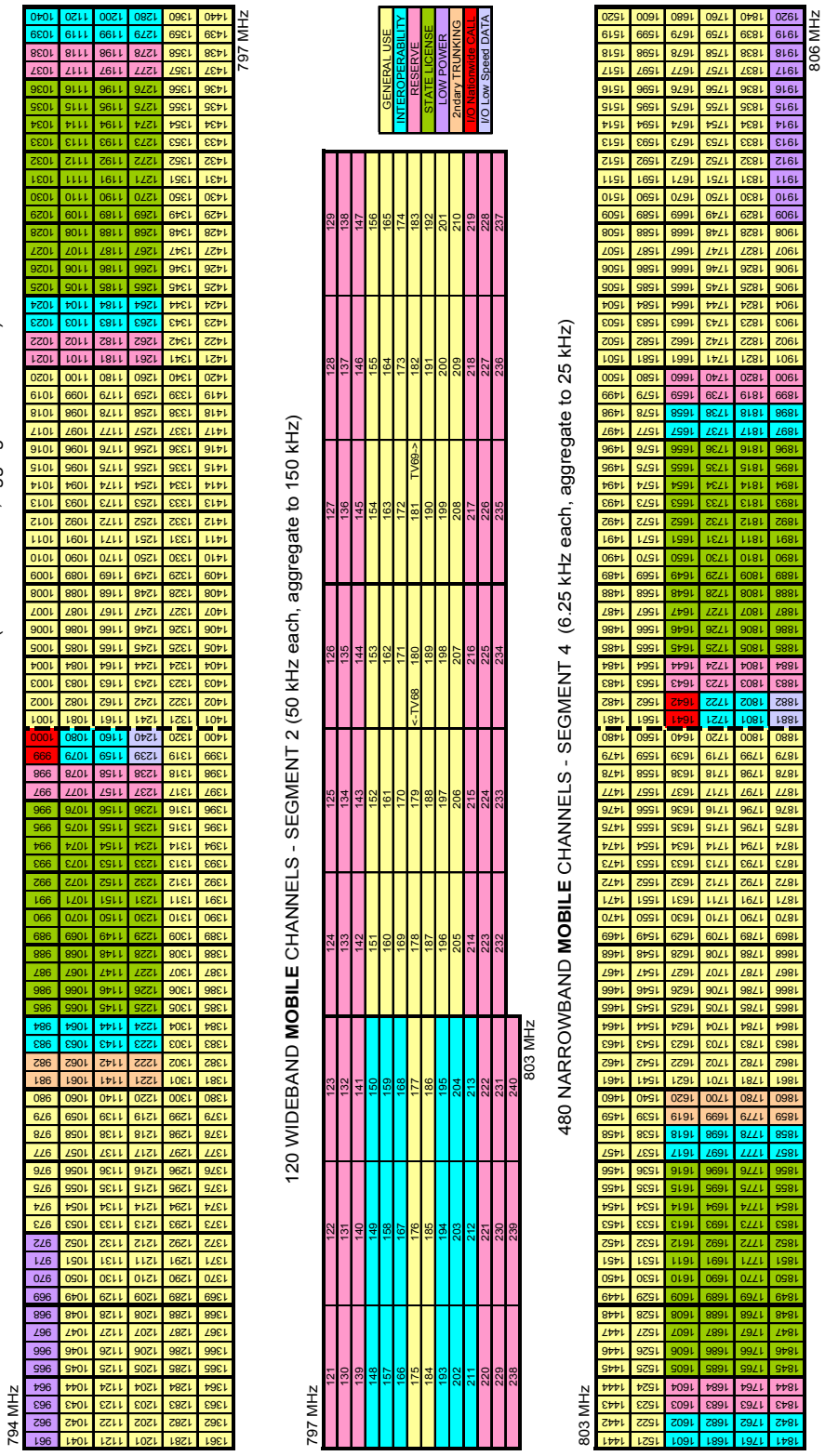
Two may be combined provided that the lower channel number is 1 + 3n or 2 + 3n, n = 0 to 79 (e.g., 1, 2, 4, 5,...238, 239)

Three may be combined provided that the lower channel number is 1 + 3n, n = 0 to 79 (e.g., 1, 4,...238)

Wideband channels must maintain a data throughput efficiency of not less than 384 kbps for each 150 kHz of bandwidth.

Channel numbers for combined channels are designated by the lowest and highest channel numbers separated by a hyphen, e.g., "1-2" and 1-3".

Appendix F – FCC Channel Plan for Public Safety 700 MHz Band



NARROWBAND CHANNELS:
Two may be combined provided that the lower channel number is odd (e.g., 1, 3, 5)
Four may be combined provided that the lower channel number is 1 + 4n, n = 0 to 479 (e.g., 1, 5,...1917)
Narrowband channels must maintain a data throughput efficiency of not less than 4.8 kbps for each 6.25 kHz of bandwidth.

WIDEBAND CHANNELS:
Two may be combined provided that the lower channel number is 1 + 3n or 2 + 3n, n = 0 to 79 (e.g., 1, 2, 4, 5,...238, 239)
Three may be combined provided that the lower channel number is 1 + 3n, n = 0 to 79 (e.g., 1, 4,...238)
Wideband channels must maintain a data throughput efficiency of not less than 384 kbps for each 150 kHz of bandwidth.

Channel numbers for combined channels are designated by the lowest and highest channel numbers separated by a hyphen, e.g., "1-2" and 1-3".

Appendix G – Channel Block Assignments by County

11/18/03 **Region 43 - Washington**
Detailed Channel Allotments by Area

Area Name	Channel	Class	Base Freq	Mobile Freq
Adams	337-340	General Use	766.112500	796.112500
	413-416	General Use	766.587500	796.587500
	469-472	General Use	766.937500	796.937500
	525-528	General Use	773.287500	803.287500
	613-616	General Use	773.837500	803.837500
	829-832	General Use	775.187500	805.187500
	913-916	General Use	775.712500	805.712500
Asotin	161-164	General Use	765.012500	795.012500
	209-212	General Use	765.312500	795.312500
	281-284	General Use	765.762500	795.762500
	337-340	General Use	766.112500	796.112500
	385-388	General Use	766.412500	796.412500
	445-448	General Use	766.787500	796.787500
	501-504	General Use	773.137500	803.137500
	569-572	General Use	773.562500	803.562500
	617-620	General Use	773.862500	803.862500
	705-708	General Use	774.412500	804.412500
	825-828	General Use	775.162500	805.162500
	873-876	General Use	775.462500	805.462500
	913-916	General Use	775.712500	805.712500
Benton	41-44	General Use	764.262500	794.262500
	81-84	General Use	764.512500	794.512500
	121-124	General Use	764.762500	794.762500
	161-164	General Use	765.012500	795.012500
	217-220	General Use	765.362500	795.362500
	257-260	General Use	765.612500	795.612500
	297-300	General Use	765.862500	795.862500
	357-360	General Use	766.237500	796.237500
	405-408	General Use	766.537500	796.537500
	445-448	General Use	766.787500	796.787500
	497-500	General Use	773.112500	803.112500
	537-540	General Use	773.362500	803.362500
	589-592	General Use	773.687500	803.687500
	661-664	General Use	774.137500	804.137500
	717-720	General Use	774.487500	804.487500
	757-760	General Use	774.737500	804.737500
	821-824	General Use	775.137500	805.137500
	861-864	General Use	775.387500	805.387500
	901-904	General Use	775.637500	805.637500
	945-948	General Use	775.912500	805.912500
Chelan	57-60	General Use	764.362500	794.362500
	97-100	General Use	764.612500	794.612500
	333-336	General Use	766.087500	796.087500
	373-376	General Use	766.337500	796.337500
	413-416	General Use	766.587500	796.587500

	501-504	General Use	773.137500	803.137500
	561-564	General Use	773.512500	803.512500
	601-604	General Use	773.762500	803.762500
	829-832	General Use	775.187500	805.187500
	869-872	General Use	775.437500	805.437500
Clallam	129-132	General Use	764.812500	794.812500
	169-172	General Use	765.062500	795.062500
	245-248	General Use	765.537500	795.537500
	329-332	General Use	766.062500	796.062500
	377-380	General Use	766.362500	796.362500
	433-436	General Use	766.712500	796.712500
	473-476	General Use	766.962500	796.962500
	485-488	General Use	773.037500	803.037500
	561-564	General Use	773.512500	803.512500
	601-604	General Use	773.762500	803.762500
	673-676	General Use	774.212500	804.212500
	825-828	General Use	775.162500	805.162500
	865-868	General Use	775.412500	805.412500
	909-912	General Use	775.687500	805.687500
Clark	121-124	General Use	764.762500	794.762500
	281-284	General Use	765.762500	795.762500
	333-336	General Use	766.087500	796.087500
	373-376	General Use	766.337500	796.337500
	413-416	General Use	766.587500	796.587500
	457-460	General Use	766.862500	796.862500
	497-500	General Use	773.112500	803.112500
	561-564	General Use	773.512500	803.512500
	633-636	General Use	773.962500	803.962500
	749-752	General Use	774.687500	804.687500
	833-836	General Use	775.212500	805.212500
	873-876	General Use	775.462500	805.462500
Columbia	129-132	General Use	764.812500	794.812500
	321-324	General Use	766.012500	796.012500
	369-372	General Use	766.312500	796.312500
	409-412	General Use	766.562500	796.562500
	521-524	General Use	773.262500	803.262500
	941-944	General Use	775.887500	805.887500
Cowlitz	17-20	General Use	764.112500	794.112500
	241-244	General Use	765.512500	795.512500
	385-388	General Use	766.412500	796.412500
	449-452	General Use	766.812500	796.812500
	485-488	General Use	773.037500	803.037500
	525-528	General Use	773.287500	803.287500
	581-584	General Use	773.637500	803.637500
	673-676	General Use	774.212500	804.212500
	713-716	General Use	774.462500	804.462500
	793-796	General Use	774.962500	804.962500
	913-916	General Use	775.712500	805.712500
Douglas	125-128	General Use	764.787500	794.787500
	165-168	General Use	765.037500	795.037500
	341-344	General Use	766.137500	796.137500

	401-404	General Use	766.512500	796.512500
	465-468	General Use	766.912500	796.912500
	529-532	General Use	773.312500	803.312500
	621-624	General Use	773.887500	803.887500
	701-704	General Use	774.387500	804.387500
	749-752	General Use	774.687500	804.687500
	941-944	General Use	775.887500	805.887500
Ferry	17-20	General Use	764.112500	794.112500
	289-292	General Use	765.812500	795.812500
	349-352	General Use	766.187500	796.187500
	417-420	General Use	766.612500	796.612500
	457-460	General Use	766.862500	796.862500
	505-508	General Use	773.162500	803.162500
	561-564	General Use	773.512500	803.512500
	609-612	General Use	773.812500	803.812500
	661-664	General Use	774.137500	804.137500
	717-720	General Use	774.487500	804.487500
	825-828	General Use	775.162500	805.162500
	901-904	General Use	775.637500	805.637500
Franklin	13-16	General Use	764.087500	794.087500
	173-176	General Use	765.087500	795.087500
	345-348	General Use	766.162500	796.162500
	393-396	General Use	766.462500	796.462500
	437-440	General Use	766.737500	796.737500
	489-492	General Use	773.062500	803.062500
	565-568	General Use	773.537500	803.537500
	605-608	General Use	773.787500	803.787500
	677-680	General Use	774.237500	804.237500
	741-744	General Use	774.637500	804.637500
	793-796	General Use	774.962500	804.962500
	869-872	General Use	775.437500	805.437500
Garfield	53-56	General Use	764.337500	794.337500
	241-244	General Use	765.512500	795.512500
	329-332	General Use	766.062500	796.062500
	429-432	General Use	766.687500	796.687500
	493-496	General Use	773.087500	803.087500
	577-580	General Use	773.612500	803.612500
	865-868	General Use	775.412500	805.412500
Grant	49-52	General Use	764.312500	794.312500
	89-92	General Use	764.562500	794.562500
	137-140	General Use	764.862500	794.862500
	201-204	General Use	765.262500	795.262500
	241-244	General Use	765.512500	795.512500
	281-284	General Use	765.762500	795.762500
	321-324	General Use	766.012500	796.012500
	381-384	General Use	766.387500	796.387500
	425-428	General Use	766.662500	796.662500
	477-480	General Use	766.987500	796.987500
	481-484	General Use	773.012500	803.012500
	549-552	General Use	773.437500	803.437500
	629-632	General Use	773.937500	803.937500
	669-672	General Use	774.187500	804.187500

	709-712	General Use	774.437500	804.437500
	781-784	General Use	774.887500	804.887500
	837-840	General Use	775.237500	805.237500
	877-880	General Use	775.487500	805.487500
Grays Harbor	57-60	General Use	764.362500	794.362500
	97-100	General Use	764.612500	794.612500
	173-176	General Use	765.087500	795.087500
	213-216	General Use	765.337500	795.337500
	253-256	General Use	765.587500	795.587500
	293-296	General Use	765.837500	795.837500
	345-348	General Use	766.162500	796.162500
	429-432	General Use	766.687500	796.687500
	509-512	General Use	773.187500	803.187500
	553-556	General Use	773.462500	803.462500
	593-596	General Use	773.712500	803.712500
	633-636	General Use	773.962500	803.962500
	873-876	General Use	775.462500	805.462500
Island	205-208	General Use	765.287500	795.287500
	285-288	General Use	765.787500	795.787500
	357-360	General Use	766.237500	796.237500
	409-412	General Use	766.562500	796.562500
	449-452	General Use	766.812500	796.812500
	509-512	General Use	773.187500	803.187500
	557-560	General Use	773.487500	803.487500
	597-600	General Use	773.737500	803.737500
	637-640	General Use	773.987500	803.987500
	785-788	General Use	774.912500	804.912500
Jefferson	49-52	General Use	764.312500	794.312500
	365-368	General Use	766.287500	796.287500
	441-444	General Use	766.762500	796.762500
	501-504	General Use	773.137500	803.137500
	545-548	General Use	773.412500	803.412500
	585-588	General Use	773.662500	803.662500
	625-628	General Use	773.912500	803.912500
	713-716	General Use	774.462500	804.462500
King	41-44	General Use	764.262500	794.262500
	81-84	General Use	764.512500	794.512500
	121-124	General Use	764.762500	794.762500
	161-164	General Use	765.012500	795.012500
	201-204	General Use	765.262500	795.262500
	241-244	General Use	765.512500	795.512500
	281-284	General Use	765.762500	795.762500
	321-324	General Use	766.012500	796.012500
	361-364	General Use	766.262500	796.262500
	405-408	General Use	766.537500	796.537500
	477-480	General Use	766.987500	796.987500
	481-484	General Use	773.012500	803.012500
	541-544	General Use	773.387500	803.387500
	581-584	General Use	773.637500	803.637500
	621-624	General Use	773.887500	803.887500
	661-664	General Use	774.137500	804.137500
	701-704	General Use	774.387500	804.387500

	741-744	General Use	774.637500	804.637500
	781-784	General Use	774.887500	804.887500
	821-824	General Use	775.137500	805.137500
	861-864	General Use	775.387500	805.387500
	901-904	General Use	775.637500	805.637500
	945-948	General Use	775.912500	805.912500
Kitsap	333-336	General Use	766.087500	796.087500
	373-376	General Use	766.337500	796.337500
	421-424	General Use	766.637500	796.637500
	525-528	General Use	773.287500	803.287500
	565-568	General Use	773.537500	803.537500
	605-608	General Use	773.787500	803.787500
	829-832	General Use	775.187500	805.187500
	869-872	General Use	775.437500	805.437500
Kittitas	349-352	General Use	766.187500	796.187500
	389-392	General Use	766.437500	796.437500
	453-456	General Use	766.837500	796.837500
	521-524	General Use	773.262500	803.262500
	569-572	General Use	773.562500	803.562500
	609-612	General Use	773.812500	803.812500
	789-792	General Use	774.937500	804.937500
Klickitat	49-52	General Use	764.312500	794.312500
	337-340	General Use	766.112500	796.112500
	377-380	General Use	766.362500	796.362500
	425-428	General Use	766.662500	796.662500
	469-472	General Use	766.937500	796.937500
	545-548	General Use	773.412500	803.412500
	705-708	General Use	774.412500	804.412500
	829-832	General Use	775.187500	805.187500
Lewis	357-360	General Use	766.237500	796.237500
	409-412	General Use	766.562500	796.562500
	473-476	General Use	766.962500	796.962500
	517-520	General Use	773.237500	803.237500
	573-576	General Use	773.587500	803.587500
	613-616	General Use	773.837500	803.837500
	745-748	General Use	774.662500	804.662500
	785-788	General Use	774.912500	804.912500
	837-840	General Use	775.237500	805.237500
	941-944	General Use	775.887500	805.887500
Lincoln	373-376	General Use	766.337500	796.337500
	433-436	General Use	766.712500	796.712500
	493-496	General Use	773.087500	803.087500
	577-580	General Use	773.612500	803.612500
	789-792	General Use	774.937500	804.937500
Mason	353-356	General Use	766.212500	796.212500
	397-400	General Use	766.487500	796.487500
	457-460	General Use	766.862500	796.862500
	533-536	General Use	773.337500	803.337500
	577-580	General Use	773.612500	803.612500
	617-620	General Use	773.862500	803.862500

	749-752	General Use	774.687500	804.687500
Okanogan	177-180	General Use	765.112500	795.112500
	217-220	General Use	765.362500	795.362500
	257-260	General Use	765.612500	795.612500
	297-300	General Use	765.862500	795.862500
	365-368	General Use	766.287500	796.287500
	445-448	General Use	766.787500	796.787500
	537-540	General Use	773.362500	803.362500
	637-640	General Use	773.987500	803.987500
	757-760	General Use	774.737500	804.737500
	797-800	General Use	774.987500	804.987500
	917-920	General Use	775.737500	805.737500
Pacific	89-92	General Use	764.562500	794.562500
	161-164	General Use	765.012500	795.012500
	321-324	General Use	766.012500	796.012500
	369-372	General Use	766.312500	796.312500
	421-424	General Use	766.637500	796.637500
	461-464	General Use	766.887500	796.887500
	493-496	General Use	773.087500	803.087500
	565-568	General Use	773.537500	803.537500
	605-608	General Use	773.787500	803.787500
	669-672	General Use	774.187500	804.187500
	709-712	General Use	774.437500	804.437500
	821-824	General Use	775.137500	805.137500
	901-904	General Use	775.637500	805.637500
Pend Oreille	333-336	General Use	766.087500	796.087500
	377-380	General Use	766.362500	796.362500
	421-424	General Use	766.637500	796.637500
	509-512	General Use	773.187500	803.187500
	549-552	General Use	773.437500	803.437500
	605-608	General Use	773.787500	803.787500
Pierce	13-16	General Use	764.087500	794.087500
	53-56	General Use	764.337500	794.337500
	93-96	General Use	764.587500	794.587500
	137-140	General Use	764.862500	794.862500
	177-180	General Use	765.112500	795.112500
	217-220	General Use	765.362500	795.362500
	257-260	General Use	765.612500	795.612500
	297-300	General Use	765.862500	795.862500
	341-344	General Use	766.137500	796.137500
	381-384	General Use	766.387500	796.387500
	445-448	General Use	766.787500	796.787500
	489-492	General Use	773.062500	803.062500
	549-552	General Use	773.437500	803.437500
	589-592	General Use	773.687500	803.687500
	629-632	General Use	773.937500	803.937500
	677-680	General Use	774.237500	804.237500
	717-720	General Use	774.487500	804.487500
	757-760	General Use	774.737500	804.737500
	797-800	General Use	774.987500	804.987500
	877-880	General Use	775.487500	805.487500
	917-920	General Use	775.737500	805.737500

San Juan	53-56	General Use	764.337500	794.337500
	97-100	General Use	764.612500	794.612500
	177-180	General Use	765.112500	795.112500
	217-220	General Use	765.362500	795.362500
	257-260	General Use	765.612500	795.612500
	297-300	General Use	765.862500	795.862500
	337-340	General Use	766.112500	796.112500
	381-384	General Use	766.387500	796.387500
	425-428	General Use	766.662500	796.662500
	465-468	General Use	766.912500	796.912500
	529-532	General Use	773.312500	803.312500
	569-572	General Use	773.562500	803.562500
	609-612	General Use	773.812500	803.812500
	757-760	General Use	774.737500	804.737500
	797-800	General Use	774.987500	804.987500
	917-920	General Use	775.737500	805.737500
Skagit	45-48	General Use	764.287500	794.287500
	125-128	General Use	764.787500	794.787500
	165-168	General Use	765.037500	795.037500
	325-328	General Use	766.037500	796.037500
	393-396	General Use	766.462500	796.462500
	437-440	General Use	766.737500	796.737500
	489-492	General Use	773.062500	803.062500
	549-552	General Use	773.437500	803.437500
	589-592	General Use	773.687500	803.687500
	629-632	General Use	773.937500	803.937500
	677-680	General Use	774.237500	804.237500
	717-720	General Use	774.487500	804.487500
	905-908	General Use	775.662500	805.662500
Skamania	201-204	General Use	765.262500	795.262500
	345-348	General Use	766.162500	796.162500
	533-536	General Use	773.337500	803.337500
	621-624	General Use	773.887500	803.887500
	861-864	General Use	775.387500	805.387500
Snohomish	17-20	General Use	764.112500	794.112500
	89-92	General Use	764.562500	794.562500
	133-136	General Use	764.837500	794.837500
	173-176	General Use	765.087500	795.087500
	213-216	General Use	765.337500	795.337500
	253-256	General Use	765.587500	795.587500
	293-296	General Use	765.837500	795.837500
	345-348	General Use	766.162500	796.162500
	385-388	General Use	766.412500	796.412500
	429-432	General Use	766.687500	796.687500
	469-472	General Use	766.937500	796.937500
	517-520	General Use	773.237500	803.237500
	573-576	General Use	773.587500	803.587500
	613-616	General Use	773.837500	803.837500
	669-672	General Use	774.187500	804.187500
	709-712	General Use	774.437500	804.437500
	753-756	General Use	774.712500	804.712500
	793-796	General Use	774.962500	804.962500

	837-840	General Use	775.237500	805.237500
	913-916	General Use	775.712500	805.712500
Spokane	13-16	General Use	764.087500	794.087500
	53-56	General Use	764.337500	794.337500
	97-100	General Use	764.612500	794.612500
	161-164	General Use	765.012500	795.012500
	201-204	General Use	765.262500	795.262500
	241-244	General Use	765.512500	795.512500
	281-284	General Use	765.762500	795.762500
	345-348	General Use	766.162500	796.162500
	389-392	General Use	766.437500	796.437500
	441-444	General Use	766.762500	796.762500
	517-520	General Use	773.237500	803.237500
	557-560	General Use	773.487500	803.487500
	597-600	General Use	773.737500	803.737500
	637-640	General Use	773.987500	803.987500
	713-716	General Use	774.462500	804.462500
	781-784	General Use	774.887500	804.887500
	821-824	General Use	775.137500	805.137500
	865-868	General Use	775.412500	805.412500
	905-908	General Use	775.662500	805.662500
	945-948	General Use	775.912500	805.912500
Stevens	85-88	General Use	764.537500	794.537500
	133-136	General Use	764.837500	794.837500
	173-176	General Use	765.087500	795.087500
	213-216	General Use	765.337500	795.337500
	253-256	General Use	765.587500	795.587500
	325-328	General Use	766.037500	796.037500
	409-412	General Use	766.562500	796.562500
	449-452	General Use	766.812500	796.812500
	485-488	General Use	773.037500	803.037500
	569-572	General Use	773.562500	803.562500
	617-620	General Use	773.862500	803.862500
	673-676	General Use	774.212500	804.212500
	741-744	General Use	774.637500	804.637500
	833-836	General Use	775.212500	805.212500
	873-876	General Use	775.462500	805.462500
Thurston	45-48	General Use	764.287500	794.287500
	85-88	General Use	764.537500	794.537500
	125-128	General Use	764.787500	794.787500
	165-168	General Use	765.037500	795.037500
	205-208	General Use	765.287500	795.287500
	245-248	General Use	765.537500	795.537500
	285-288	General Use	765.787500	795.787500
	325-328	General Use	766.037500	796.037500
	389-392	General Use	766.437500	796.437500
	465-468	General Use	766.912500	796.912500
	497-500	General Use	773.112500	803.112500
	561-564	General Use	773.512500	803.512500
	601-604	General Use	773.762500	803.762500
	665-668	General Use	774.162500	804.162500
	705-708	General Use	774.412500	804.412500
	825-828	General Use	775.162500	805.162500

	865-868	General Use	775.412500	805.412500
	905-908	General Use	775.662500	805.662500
Wahkiakum	49-52	General Use	764.312500	794.312500
	209-212	General Use	765.312500	795.312500
	329-332	General Use	766.062500	796.062500
	433-436	General Use	766.712500	796.712500
	505-508	General Use	773.162500	803.162500
	545-548	General Use	773.412500	803.412500
	597-600	General Use	773.737500	803.737500
	637-640	General Use	773.987500	803.987500
	869-872	General Use	775.437500	805.437500
Walla Walla	205-208	General Use	765.287500	795.287500
	285-288	General Use	765.787500	795.787500
	333-336	General Use	766.087500	796.087500
	377-380	General Use	766.362500	796.362500
	421-424	General Use	766.637500	796.637500
	465-468	General Use	766.912500	796.912500
	505-508	General Use	773.162500	803.162500
	545-548	General Use	773.412500	803.412500
	621-624	General Use	773.887500	803.887500
	701-704	General Use	774.387500	804.387500
	785-788	General Use	774.912500	804.912500
	833-836	General Use	775.212500	805.212500
	917-920	General Use	775.737500	805.737500
Whatcom	13-16	General Use	764.087500	794.087500
	85-88	General Use	764.537500	794.537500
	137-140	General Use	764.862500	794.862500
	209-212	General Use	765.312500	795.312500
	249-252	General Use	765.562500	795.562500
	289-292	General Use	765.812500	795.812500
	353-356	General Use	766.212500	796.212500
	401-404	General Use	766.512500	796.512500
	453-456	General Use	766.837500	796.837500
	513-516	General Use	773.212500	803.212500
	577-580	General Use	773.612500	803.612500
	617-620	General Use	773.862500	803.862500
	665-668	General Use	774.162500	804.162500
	705-708	General Use	774.412500	804.412500
	745-748	General Use	774.662500	804.662500
	789-792	General Use	774.937500	804.937500
	877-880	General Use	775.487500	805.487500
	941-944	General Use	775.887500	805.887500
Whitman	41-44	General Use	764.262500	794.262500
	81-84	General Use	764.512500	794.512500
	121-124	General Use	764.762500	794.762500
	217-220	General Use	765.362500	795.362500
	257-260	General Use	765.612500	795.612500
	297-300	General Use	765.862500	795.862500
	357-360	General Use	766.237500	796.237500
	401-404	General Use	766.512500	796.512500
	457-460	General Use	766.862500	796.862500
	481-484	General Use	773.012500	803.012500

	537-540	General Use	773.362500	803.362500
	589-592	General Use	773.687500	803.687500
	629-632	General Use	773.937500	803.937500
	669-672	General Use	774.187500	804.187500
	753-756	General Use	774.712500	804.712500
Yakima	129-132	General Use	764.812500	794.812500
	169-172	General Use	765.062500	795.062500
	209-212	General Use	765.312500	795.312500
	249-252	General Use	765.562500	795.562500
	289-292	General Use	765.812500	795.812500
	329-332	General Use	766.062500	796.062500
	369-372	General Use	766.312500	796.312500
	417-420	General Use	766.612500	796.612500
	461-464	General Use	766.887500	796.887500
	509-512	General Use	773.187500	803.187500
	557-560	General Use	773.487500	803.487500
	597-600	General Use	773.737500	803.737500
	637-640	General Use	773.987500	803.987500
	909-912	General Use	775.687500	805.687500

Appendix H – Consent Letters from Region 12 (Idaho) and Region 35 (Oregon)

Attach scanned copies of the letters