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Standard written by The NPSTC Interoperability Committee Channel Naming Working Group

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**Abstract:** Standard nomenclature for FCC and NTIA-designated nationwide interoperability channels used for public safety voice communications. The public safety community uses spectrum allocated by the FCC and NTIA in multiple bands that is replete with interoperability channels. It is necessary to develop and employ a common set of channel names so that all responders to an incident know which channel to tune their radios to, as well as the band and primary use for the channel.

**Keywords:** public safety channel nomenclature, radio channel names, interoperability, responders, incidents, channel band, fire services, emergency medical services, law enforcement and public safety communications.

### **APCO International**

351 North Williamson Blvd, Daytona Beach, Florida 32114 USA

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## **Foreword\***

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Ralph Haller, Chair National Public Safety Telecommunications Council (NPSTC)

John Powell, Chair NPSTC Interoperability Committee, NV

Chief Doug Aiken IMSA/IAFC, NH

Chet Ashbaugh Riverside County Fire, CA

**Steve Devine** State of Missouri

**David Eierman** Motorola, Inc, MD

**Brent Finster** Cayman Islands Emergency Communications, Grand Cayman, Cl

**Carl Guse** Wisconsin State Patrol

Ron Haraseth SEARCH Group, MT

Earnest Hofmeister Harris Corporation **Tim McClelland** FIRESCOPE, CA

John Oblak EF Johnson Company

**Chief John Penido** San Marino Fire Department, CA (CalSEIC)

**Don Root** San Diego County Sherriff's Wireless Division, CA

**Glen Savage** CalFire Telecommunications, CA

Mark Schroeder City of Phoenix, AZ

**Tom Sorley** City of Houston, TX

Emil Vogel Vogel Consulting Group, NJ

Carlton Wells State of Florida

Marilyn Ward NPSTC, SC





Carol Adams, RPL, Chair Stafford County Sheriff's Office, VA

**Gordon Vanauken, Vice Chair** L Robert Kimball & Associates, PA

Dr. Barry Cox Jacksonville State University, AL

**Dr. Daniel Devasirvatham** Science Applications International Corp (SAIC), CA

**Debbie Gailbreath** Sarasota County Sheriff's Office, FL

Joseph Gallelli Gallelli Group Inc., FL

Frank Kiernan Meriden Emergency Communications, CT

**Daniel Morelos** Tucson Airport Authority, AZ James Mollohan Georgia Technology Authority, GA

William Rendina Valor Systems Inc., IL

Lex Rutter Geo-Comm Inc, ID

**Bradford S. Smith** American Medical Response, MA

Sherry Taylor Indianapolis Fire Department Communications Division, IN

Matthew Stillwell, RPL City of Edmond, OK

Gary Thomas Allegheny County 9-1-1, PA

Amanda Byrd, Secretary APCO International



# **Acronyms and Abbreviations\***

For the purposes of this ANS, the following definitions of acronyms apply:

ANS	American National Standard
ANSI	American National Standard Institute
APCO	Association of Public-Safety Communications Officials – International
CAPRAD	Computer Assisted Pre-coordination Resource And Database system
CASM	Communications Asset Survey and Mapping tool
CFR	Code of Federal Regulations
CTCSS	Continuous Tone Controlled Squelch System
FCC	Federal Communications Commission
IRAC	Interdepartment Radio Advisory Committee
LE	Law Enforcement
MHz	Megahertz
NAC	Network Access Codes
NCC	Public Safety National Communications Coordination Committee
NIIX	National Interoperability Information eXchange
NPSPAC	National Public Safety Planning Advisory Committee
NPSTC	National Public Safety Telecommunications Council
NTIA	National Telecommunications and Information Administration
PSAP	Public Safety Answering Point
RPC	Regional Planning Committee
SIEC	Statewide Interoperability Executive Committee
UHF	Ultra High Frequency
VHF	Very High Frequency
VPSCA	VHF Public Coast Service Area

# Introduction\*

This document outlines the *Standard Channel Nomenclature for Public Safety Interoperability Channels* as revised in 2009. The requirement for a common naming protocol for public safety's interoperability frequencies was identified in early 2000 by the Public Safety National Coordination Committee (NCC), a Federal Advisory Committee chartered by the Federal Communications Commission (FCC) that operated from 1999 to 2003, and provided recommendations to the Commission on operational and technical parameters for use of the 700 MHz public safety band.

### Document History

In the final report of the NCC on July 25, 2003, Chair Kathleen Wallmann wrote:

### Standard Channel Nomenclature

"The NCC respectfully renews its earlier recommendation that the Commission's Rules contain mandatory channel nomenclature for all interoperability channels on all public safety bands. The NCC views such standard nomenclature as essential to the interoperability process, such that all responders to an incident will know the appropriate channel to which to tune their radios and will know – from the channel designator – the band and primary use of the channel specified. Absent such standard nomenclature, a Babel-like confusion could result if, for example, a given jurisdiction were to designate 458.2125 MHz as a calling channel and associate it with "Channel 5" on its radios; and another jurisdiction were to designate the same frequency as a tactical channel and assign it to "Channel 9" on its radios. With adoption of a standard channel nomenclature in the Rules, such confusion – and the attendant potential for delayed response to an incident – would be avoided..."

While the FCC declined at that time to mandate such a standard channel nomenclature, the NCC protocol has received wide acceptance within the public safety communications community, as communications interoperability for public safety's first responders continues to be a major issue.

During 2006 NPSTC was approached by a number of public safety user organizations with a request that NPSTC review and update the *Standard Channel Nomenclature* to reflect 'real world' user operational requirements. A Task Group was convened and a public forum to address the issue was held on February 5, 2007, in Orlando, Florida. Six proponent organizations submitted recommendations for modification of the *Standard Channel Nomenclature*. These were heard and discussed at the forum, and a consensus format was adopted. The proposed revision (as a *Report of Committee*) was placed on public notice, and after a 90-day comment period, adopted as this revised protocol.

### **NTIA Interoperability Channels\***

During the forum, the issue of names for the 40 National Telecommunications and Information Administration (NTIA) VHF and UHF Interoperability Channels was discussed. The NTIA has designated these channels with a set of names in a format that does not prevent duplication of identifiers or promote uniqueness. The channels were made available for licensing by state and local entities through a process outlined in FCC Public Notice DA-1621, released July 13, 2001.<sup>1</sup> Since 2001, at least one federal agency has developed guidance for these channels with a different set of channel names. The representatives of the various federal agencies present requested that the Task Group take the issue of the NTIA channels off line and work with them to find a solution that works for all parties.

The Interdepartment Radio Advisory Committee (IRAC) AD HOC 214 group addressed the issue, obtained naming consensus within the Federal public safety community, and has reported out that the existing naming convention will remain as-is due to the large number of existing federal subscriber sets in use. The AD HOC 214 co-conveners have agreed to request that the FCC update the information contained in DA-1621 and issue a new Public Notice.

<sup>&</sup>lt;sup>1</sup> See FCC DA-01-1621A for the existing names and limitations.

<sup>\*</sup>Sections noted with an '\*' are provided for informational purposes only and not part of this American National Standard (ANS).

This document includes the 40 NTIA VHF and UHF Interoperability Channels with the NTIA naming format and Tone Squelch / Network Access information. State and local public safety agencies who may program these channels into subscriber radio equipment should place these channels into a separate bank named "Fed" or "NTIA" as a method of avoiding user confusion with any similarly named local operating frequencies.

### 700 MHz Spectrum\*

During NPSTC's 2007 Comment Period for the Report of Committee, the FCC released Docket 07-72, a *Report and Order and Further Notice of Proposed Rulemaking* addressing seven different ongoing dockets relating to the Lower and Upper 700 MHz Bands (including the public safety segments in TV Channels 63, 64, 68, and 69). Among the numerous issues in this docket, the Commission announced the intent to realign the public safety allocations to combine the two separate segments of paired narrowband channels<sup>2</sup> into the Channel 64/69 pair, and combine the non-narrowband voice use into Channel 63/68, and reallocate the use to broadband data which could reduce or eliminate the designators for wideband data interoperability channels. The original FCC allocations for the narrowband interoperability spectrum included duplicate sets of channels (e.g.: Call, Data I/O, Secondary Trunking, etc.), that are reflected in the current protocol. At this time, NPSTC has elected to refrain from making any adjustments to the protocol until such time as the issues raised in the *Further Notice* are resolved by the FCC.

The *Second Report and Order* (FCC 07-132), released August 12, 2007, consolidated the two separate narrowband voice blocks into one segment of the 700 MHz band, but did not address the issue of duplicate calling and data interoperability channels. Subsequent to the release of the *Second Report and Order* NPSTC has filed a Request for Rulemaking asking the FCC in part to address the duplicate Calling and Data Interoperability channel designation.

This revision of the *Standard Channel Nomenclature* consolidates the former split blocks of 700 MHz channels and changes the frequency information from the FCC Channel Number format in the NCC and previous NPSTC versions to the discrete 700 MHz frequencies, listing 12.5 kHz channels in order to facilitate the use of the Project 25 Phase 1 Common Air Interface.

### Public Safety Interoperability Use of VHF Maritime Spectrum\*

In its *Third Memorandum Opinion and Order and Third Report and Order*, FCC 00-348 released October 10, 2000, the FCC designated three maritime VHF channel pairs<sup>3</sup> for public safety interoperability use in 33 inland VHF Public Coast Service Areas (VPSCAs). One channel pair was designated for use in all 33 VPSCAs, and the other two pairs were designated by VPSCA, so as to provide two pairs for use in each inland VPSCA. These channels had been listed in earlier drafts of this document as VTAC17/17D, VTAC18/18D, and VTAC19/19D.

In its *Second Report and Order* (FCC 08-208) on WT Docket 04-344,<sup>4</sup> released September 19, 2008, the FCC removed VHF Maritime Channels 84 (VTAC18/18D) and 85 (VTAC19/19D) from public safety interoperability use in the 33 inland VPSCAs. VHF Maritime Channel 25 (VTAC17/17D) remains available for use in the 33 inland VPSCAs. VTAC18/18D and VTAC19/19D have been removed in this standard.

### **Implementing this Protocol\***

It is recognized that the implementation of this protocol should be done in an organized and coordinated manner. This is best accomplished in conjunction with a system programming refresh, such as during the 800 MHz rebanding process, or when other operational requirements such as a frequency change or a conversion to narrowbanded channels requires the subscriber fleet of radios to be adjusted.

<sup>&</sup>lt;sup>2</sup> Currently each 6 MHz TV channel is allocated as 3 MHz of narrowband voice and 3 MHz of reserve or wideband data use. Channel 63 is paired with Channel 68, and Channel 64 is paired with Channel 69.

<sup>&</sup>lt;sup>3</sup> The channels so designated were Channel 25 (157.250/162.850 MHz) and Channel 84.

<sup>&</sup>lt;sup>4</sup> 2<sup>nd</sup> Report and Order In the Matter of Amendment of the Commission's Rules Regarding Maritime Automatic Identification Systems, FCC 08-208 at 20.

This document provides a standardized naming format as the single reference for the common identification of public safety interoperable radio channels. For reference purposes only, this document also contains an Appendix with FCC public safety channel allocation tables. The tables may be subject to future FCC rule changes; however, the standardized naming format has been constructed in a manner to provide a rule and guide to channel identifiers independent of FCC future actions. The standard will be subject to periodic review and updates as required by APCO International and ANSI Standards Development policies and procedures.

# Standardized FCC Interoperability Channel Naming Format

Each FCC designated Interoperability Channel in the Public Safety Radio Services (47CFR Part 90) shall have a unique name developed according to a standardized format. This format consists of a maximum of eight characters, the eight-character limit was adopted after discussions with major equipment manufacturers determined this was the minimum display being delivered in 2003 for radios ordered with a display option. This eight-character size was again confirmed with several manufacturers in early 2007. Following the February 2007 NPSTC meeting where the naming format was finalized, a number of agencies presented a strong case for six character names for some channels where radios can not, for technical reasons, support the eight character names. The six character name shall only be used in equipment that is not capable of implementing the eight character names.

The standard naming format is as follows:

# Btype##M

This format is broken down as follows:

## **<u>B</u>** Spectrum Band

The Spectrum Band designator is a unique single alpha or numeric character to designate the public safety spectrum segment the channel is found within:

- L VHF Low Band (30 50 MHz)
- V VHF High Band (150.8 162.0 MHz) Not used for channel names in six character format.
- U UHF Band (450 470 MHz) Not used for channel names in six character format.
- 7 700 MHz Public Safety Narrowband Voice Band (769 775 / 799 805 MHz).
- **8** 800 MHz NPSPAC band **after the rebanding process** (806 809 / 851 854 MHz) Not used for channel names in six character format.

### <u>Type</u> <u>Channel Use</u> Designator

The Channel Use Designator is an alphanumeric three or four place tag to signify the primary purpose of operations on the channel. In some cases, the Channel Use has been specified in FCC Rules or related Orders. To facilitate the use of these Channel Names in older radios with only 6 characters available in the display, the first "Band" character is deleted, and the "<u>type</u>" Channel Use field is limited to the first 3 characters. Short Form names are not applicable to the 700 MHz Band since equipment for this band is new and does not have the character limitation.

8 Character format	6 Character Format	Definition
CALL	CAL	Channel is dedicated nationwide for the express purpose of interoperability calling only.
DATA	DAT	Channel is reserved nationwide for the express purpose of data transmission only.
FIRE	FIR	Primarily used for interagency incident communications by Fire licensees.
GTAC	GTC	Primarily used for interagency incident communications between Public Safety eligible entities and eligible non- governmental organizations.
LAW	LAW	Primarily used for interagency incident communications by Police licensees.
MED	MED	Primarily used for interagency incident communications by Emergency Medical Service licensees.
MOB	MOB	Primarily used for on-scene interagency incident communications by any Public Safety eligible, using vehicular repeaters (FCC Station Class MO3). <sup>5</sup>
SAR	SAR	Primarily used for interagency incident communications for Search and Rescue Operations. <sup>5</sup>
TAC	TAC	Primarily used for interagency communications by any Public Safety eligible. <sup>5</sup>
TRVL	TRV	Primarily used for interagency communications by any Public Safety eligible to coordinate travel when responding to/from an incident outside of an agency's own jurisdiction.

<sup>&</sup>lt;sup>5</sup> These channels are generally incident-based and not used for wide-area communications.

## <u>##</u> <u>Unique Channel Identifier</u>

The Unique Channel Identifier is a numeric one or two place tag to uniquely identify the specific channel. Channel Identifiers are grouped by band segment as follows:

- 1-9 VHF Low Band (30-50 MHz) [No leading zero used]
- 10-39 VHF High band (150.8 162 MHz)
- 40-49 UHF band (450 470 MHz)
- 50-89 700 MHz (769 775 / 799 805 MHz)
- 90-99 800 MHz "NPSPAC" band (806-809/851-854 MHz) [Post-rebanding]

### Notes:

- Starting in VHF High Band, Channel Identifiers are grouped by Channel Use type, with Channel Identifiers ending in "0" reserved for Interoperability Calling use.
- Channels Identifiers specified for Emergency Medical Services ("MED") in this document are numbered to avoid conflict with the FCC's UHF medical channel naming methodology specified in 47CFR90.20(d)(65) and 47CFR90.20(d)(66)(i).
- If a new frequency becomes available, it will be given the next unique channel identifier.

## <u>M</u> <u>Modifier</u>

The Modifier character is a single alphanumeric tag to identify a modification to the default operation type on the channel/channel pair:

D Direct or "Talk around" use [Simplex operations on the output channel of a pair normally designated for half-duplex or mobile relay operations.]

## Standardized Tone Squelch or Network Access Codes

The use of a common Continuous Tone Controlled Squelch System (CTCSS) tone of 156.7 Hz for transmit and receive on national Interoperability Channels was originally specified in the NPSPAC proceedings (FCC Docket 87-112). In many areas, the 800 MHz Planning Regions allow the use of an additional (secondary) access tone for in-cabinet repeat operations by repeater stations, as long as the 156.7 Hz tone was monitored by a live dispatcher or always repeated upon receipt. 156.7 Hz shall always be transmitted by repeaters. It is recommended that the issue of CTCSS/NAC (Network Access Code) migration from "all carrier squelch operation" to "CTCSS/NAC for receive only" to "full CTCSS/NAC use" be addressed on a state-to-state basis as a statewide issue by 700/800 MHz Regional Planning Committees (RPCs) and/or Statewide Interoperability Executive Committees (SIECs) who would develop a schedule for CTCSS/NAC migration across that entire state.

In the development process of the *Standard Channel Nomenclature for the Public Safety Interoperability Channels*, the NCC Interoperability Committee's Working Group recommended that 156.7 Hz CTCSS transmit and receive be used for all analog voice operations on all interoperability channels in all bands. For P-25 voice operations, the NCC Working Group initially recommended the 156.7 Hz equivalent NAC of \$61F. This recommendation was changed in 2001 to use the default ("carrier squelch equivalent") NAC of \$293.

The NTIA has adopted 167.9 Hz as the common CTCSS tone to be used on NTIA analog interoperability frequencies. NTIA adopted a NAC of \$68F for use on NTIA digital interoperability frequencies.

### **ANALOG OPERATIONS:**

CTCSS Tone 156.7 Hz shall be used for all analog operations on Interoperability Channels:

- 1. All (fixed and subscriber) analog transmitters shall encode 156.7 Hz.
- 2. Subscriber receivers should be set for carrier squelch operations unless conditions in the area require the use of tone protection to mitigate adjacent channel interference, or interference from intermodulation products. In those cases, receivers shall decode 156.7 Hz.
- 3. Subject to the approval of applicable Statewide Communications Interoperability Plans and/or FCC-approved Regional Plans, mobile relay (repeater) stations that are part of a local, regional, or statewide interoperability network may be equipped with a second receive CTCSS tone to provide local ("in cabinet") mobile relay operation, provided:
  - a. The relay transmitter continues to transmit the common CTCSS tone of 156.7 Hz so that all users within range of the station are aware the station is in use;
  - b. The relay will accept the common CTCSS tone of 156.7 Hz and present the audio accompanying the 156.7 Hz-encoded transmission for automatic in-cabinet repeat or to a live operator at the appropriate controlling dispatch facility; and
  - c. The operational configuration of the mobile relay station is published in applicable interoperability resource tracking documents (such as the appropriate Tactical Interoperability Communications Plan, Statewide Communications Interoperability Plan, and/or FCC-approved Regional Plan) and databases (CAPRAD, CASM, and NIIX<sup>6</sup>).

### **DIGITAL OPERATIONS**

**Network Access Code (NAC) \$293** shall be used for all digital operations on FCC-designated Interoperability Channels where digital modulation is permitted or required, as follows:

- 1. Subject to the approval of applicable Statewide Communications Interoperability Plans and/or FCC-approved Regional Plans, mobile relay (repeater) stations that are part of a local, regional, or statewide interoperability network may be equipped with a second receive NAC to provide local ("in cabinet") mobile relay operation, provided:
  - a. The relay transmitter shall continue to transmit the Common NAC of \$293 so that all users within range of the station are aware the station is in use;
  - b. The relay shall accept the Common NAC of \$293 and present the audio accompanying the \$293-encoded transmission for automatic in-cabinet repeat or to a live operator at the appropriate controlling dispatch facility; and
  - **c.** The operational configuration of the mobile relay station shall be published in applicable interoperability resource tracking documents (such as the appropriate Tactical Interoperability Communications Plan, Statewide Communications Interoperability Plan, and/or FCC-approved Regional Plan) and databases (CAPRAD, CASM, and NIIX).
  - 2. NTIA Law Enforcement (LE) channels when operating in digital mode use NAC \$68F. These LE channels all operate in digital mode except LE A, LE B, LE 1, LE 10 and LE 16 which operate in analog mode using 167.9 Hz TX CTCSS.

<sup>&</sup>lt;sup>6</sup> The Computer Assisted Pre-Coordination Resource and Database System (CAPRAD) is a regional planning tool designed to assist 700 MHz Regional Planning Committees with development of their plans. The Communications Asset Survey and Mapping Tool (CASM) was developed by the Interoperable Communications Technical Assistance Program within the U.S. Department of Homeland Security to assist urban areas, designated metropolitan areas and states with inventory and mapping/use of interoperability resources. The National Interoperability Information eXchange (NIIX) is a library of statewide and tactical interoperability planning documents managed by NPSTC.

# Subscriber Radio Programming

### INTEROPERABILITY CHANNEL CONFIGURATIONS

Interoperability channels listed with both a mobile relay and a direct configuration should have both configurations of each channel programmed in each subscriber radio, regardless of the available infrastructure in the user's home area.

State and local public safety and public service agencies programming the NTIA VHF and UHF Law Enforcement and Incident Response channels into their subscriber equipment should partition those channels into a separate 'zone' or 'bank' designated as "FED" or "NTIA," while maintaining the NTIA Channel designation, as a method to avoid confusion on the user's part between the NTIA channels and any similarly designated local channels.

### Limitations\*

Tables 1 and 2 refer to various Limitations. These limitations refer to sections of 47 CFR Part 90, the FCC's Rules and Regulations for Public Safety use of the radio spectrum. These limitations are:

- 90.16 Public Safety National Plan. The Commission has established a National Plan which specifies special policies and procedures governing the Public Safety Pool (formally Public Safety Radio Services and the Special Emergency Radio Service). The National Plan is contained in the Report and Order in General Docket No. 87-112. The principal spectrum resource for the National Plan is the 806-809 MHz and the 851-854 MHz bands at locations farther then 110 km (68.4 miles) from the U.S./Mexico border and 140 km (87 miles) from the U.S./Canadian border (``border regions"). In the border regions, the principal spectrum for the National Plan may be different. The National plan establishes planning regions covering all parts of the United States, Puerto Rico, and the U.S. Virgin Islands. No assignments will be made in the spectrum designated for the National Plan until a regional plan for the area has been accepted by the Commission.
- **90.20(c)(3) [15]** (15) This frequency is reserved for assignment to stations for intersystem operations only: Provided, however, that licensees holding a valid authorization to use this frequency for local base or mobile operations as of June 1, 1956, may continue to be authorized for such use.
- **90.20(c)(3) [16]** (16) This frequency is reserved primarily for assignment to state police licensees. Assignments to other police licensees will be made only where the frequency is required for coordinated operation with the state police system to which the frequency is assigned. Any request for such assignment must be supported by a statement from the state police system concerned indicating that the assignment is necessary for coordination of police activities.
- **90.20(c)(3) [19]** (19) This frequency is reserved for assignment to stations in this service for intersystem operations only and these operations must be primarily base-mobile communications.
- **90.20(c)(3) [40]** (40) This frequency may be designated by common consent as an intersystem mutual assistance frequency under an area-wide medical communications plan.
- **90.20(c)(3) [41]** (41) This frequency is available nationwide for use in police emergency communications networks operated under statewide law enforcement emergency communications plans.

- **90.20(c)(3) [80]** (80) After December 7, 2000 this frequency is available primarily for public safety interoperability only communications. Stations licensed prior to December 7, 2000 may continue to use this frequency on a co-primary basis until January 1, 2005. After January 1, 2005, all operations will be secondary to co-channel interoperability communications.
- **90.20(c)(3) [83]** (83) This interoperability frequency is dedicated for the express purpose of nationwide interoperability calling.
- 90.20(g) (g) Former public correspondence working channels in the maritime VHF (156–162 MHz) band allocated for public safety use in 33 inland Economic Areas. ... (2) In VHF Public Coast Service Areas (VPCSAs) 10–42, the duplex channel pair 157.250 MHz/161.850 MHz (VHF Maritime Channel 25) is allocated for public safety use by entities eligible for licensing under paragraph (a) of this section, and is designated primarily for the purpose of interoperability communications. See 47 CFR 80.371(c)(1)(ii) for the definitions of VPCSAs.
- **90.531(a)(1)(i)** (i) Narrowband data Interoperability channels. The following channel pairs are reserved nationwide for the express purpose of data transmission only ...
- **90.531(a)(1)(ii)** (ii) *Narrowband calling Interoperability channels.* The following channel pairs are dedicated nationwide for the express purpose of *Interoperability* calling only ... They may not be used primarily for routine, day-to-day communications. Encryption is prohibited on the designated calling channels.
- **90.531(a)(1)(iii)** (iii) *Narrowband trunking Interoperability channels*. The following Interoperability channel pairs may be combined with the appropriate adjacent secondary trunking channel pairs and used in trunked mode on a secondary basis to conventional Interoperability operations.





Table 1: Sorted by Band in Numeric Order\*

Table 2: Sorted by Frequency\*

Table 3: Short (Six Character) Names\*

		BASE, MOBILE, OR			COMMON	LIMITATIONS
	BER LOAD) TRANSMIT	FIXED (REPEATER	ELIGIBILITY / PRIMARY USE	Original	NAME	(47 CFR Part 90)
RECEIVE	MHz	OR CONTROL)	FCC 20 MULT Public Sofety Band	NCC Name		· ·
MHz	45.8600	Fixed-Mobile	FCC 30 MHz Public Safety Band	3LAW1	LLAW1	90.20(c)(3) [15]
39.4600	SIMPLEX	Base-Fixed-Mobile	Law Enforcement	3LAW1 3LAW1D	LLAW1	90.20(c)(3) [15]
	45.8800	Fixed-Mobile	Fire Proposed	3FIR2	LEAWID	Prop. 90.20(c)(3) [13]
39.4800	SIMPLEX	Base-Fixed-Mobile	Fire Proposed	3FIR2D	LFIRE2D	Prop. 90.20(c)(3) [19]
45 0000	39.4600	Fixed-Mobile	Law Enforcement	3LAW3	LLAW3	90.20(c)(3) [15]
45.8600	SIMPLEX	Base-Fixed-Mobile	Law Enforcement	3LAW3	LLAW3D	90.20(c)(3) [15]
45.8800	39.4800	Fixed-Mobile	Fire Proposed	3FIR4	LFIRE4	Prop. 90.20(c)(3) [19]
45.8800	SIMPLEX	Base-Fixed-Mobile	Fire	3FIR4	LFIRE4D	90.20(c)(3) [19]
MHz	MHz		FCC 150 - 162 MHz Public Safety Band			
155.7525	SIMPLEX	Base-Fixed-Mobile	Any Public Safety Eligible	1CALL18	VCALL10	90.20(c)(3) [80,83]
151.1375	SIMPLEX	Base-Fixed-Mobile	Any Public Safety Eligible	1TAC5	VTAC11	90.20(c)(3) [80]
154.4525	SIMPLEX	Base-Fixed-Mobile	Any Public Safety Eligible	1TAC13	VTAC12	90.20(c)(3) [80]
158.7375	SIMPLEX	Base-Fixed-Mobile	Any Public Safety Eligible	1TAC22	VTAC13	90.20(c)(3) [80]
159.4725	SIMPLEX 157.2500	Base-Fixed-Mobile Mobile-Fixed	Any Public Safety Eligible	1TAC23 1TAC19D	VTAC14 VTAC17	90.20(c)(3) [80]
161.8500	SIMPLEX	Base-Fixed-Mobile	Allocated for Public Safety Use in 33	1TAC19D	VTAC17 VTAC17D	90.20(g)
154.2800	SIMPLEX	Base-Fixed-Mobile	Inland VPCAs/EAs Fire	1FIR9	VFIRE21	90.20(c)(3) [19]
154.2650	SIMPLEX	Base-Fixed-Mobile	Fire	1FIR7	VFIRE22	90.20(c)(3) [19]
154.2950	SIMPLEX	Base-Fixed-Mobile	Fire	1FIR11	VFIRE23	90.20(c)(3) [19]
154.2725	SIMPLEX	Base-Fixed-Mobile	Fire	1FIR8	VFIRE24	90.20(c)(3) [19]
154.2875	SIMPLEX	Base-Fixed-Mobile	Fire	1FIR10	VFIRE25	90.20(c)(3) [19]
154.3025	SIMPLEX	Base-Fixed-Mobile	Fire	1FIR12	VFIRE26	90.20(c)(3) [19]
155.3400	SIMPLEX	Base-Fixed-Mobile	EMS	1EMS14	VMED28	90.20(c)(3) [40]
155.3475	SIMPLEX	Base-Fixed-Mobile	EMS	1EMS15	VMED29	90.20(c)(3) [40]
155.4750	SIMPLEX	Base-Fixed-Mobile	Law Enforcement	1LAW16	VLAW31	90.20(c)(3) [41]
155.4825	SIMPLEX	Base-Fixed-Mobile	Law Enforcement	1LAW17	VLAW32	90.20(c)(3) [41]
159.4725	151.1375	Mobile Temporary	Any Public Safety Eligible 136.5 Hz CTCSS TX		VTAC33	90.20(c)(3) [80]
158.7375	154.4525	Mobile Temporary	Any Public Safety Eligible 136.5 Hz CTCSS TX		VTAC34	90.20(c)(3) [80]
159.4725	158.7375	Mobile Temporary	Any Public Safety Eligible 136.5 Hz CTCSS TX PR/USVI Only		VTAC35	90.20(c)(3) [80]
151.1375	159.4725	Mobile Temporary	Any Public Safety Eligible 136.5 Hz CTCSS TX Any Public Safety Eligible		VTAC36	90.20(c)(3) [80]
154.4525	158.7375	Mobile Temporary	136.5 Hz CTCSS TX Any Public Safety Eligible		VTAC37	90.20(c)(3) [80]
158.7375 MHz	159.4725 MHz	Mobile Temporary	136.5 Hz CTCSS TX PR/USVI Only NTIA VHF Law Enforcement Channels		VTAC38	90.20(c)(3) [80]
			LE Calling (Direct)			FCC Public Notice
167.0875	SIMPLEX	Base-Fixed-Mobile	Analog - 167.9 Hz CTCSS TX LE Tactical		LE A	DA 01-1621 FCC Public Notice
167.0875	162.0875		Analog - 167.9 Hz CTCSS TX LE Tactical			DA 01-1621 FCC Public Notice
167.2500	162.2625	Mobile-Fixed	P25 Digital - \$68F NAC LE Tactical		LE 2	DA 01-1621 FCC Public Notice
167.7500	162.8375	Mobile-Fixed	P25 Digital - \$68F NAC LE Tactical		LE 3	DA 01-1621 FCC Public Notice
168.1125	163.2875	Mobile-Fixed	P25 Digital - \$68F NAC LE Tactical		LE 4	DA 01-1621 FCC Public Notice
168.4625	163.4250	Mobile-Fixed	P25 Digital - \$68F NAC LE Tactical (Direct for LE 2)		LE 5	DA 01-1621 FCC Public Notice
167.2500	SIMPLEX	Base-Fixed-Mobile	P25 Digital - \$68F NAC LE Tactical (Direct for LE 3)		LE 6	DA 01-1621 FCC Public Notice
167.7500	SIMPLEX	Base-Fixed-Mobile	P25 Digital - \$68F NAC LE Tactical (Direct for LE 4)		LE 7	DA 01-1621 FCC Public Notice
168.1125	SIMPLEX	Base-Fixed-Mobile	P25 Digital - \$68F NAC LE Tactical (Direct for LE 5)		LE 8	DA 01-1621 FCC Public Notice
168.4625 MHz	SIMPLEX MHz	Base-Fixed-Mobile	P25 Digital - \$68F NAC NTIA VHF Incident Response Channels		LE 9	DA 01-1621
			Incident Calling			FCC Public Notice
169.5375	164.7125	Mobile-Fixed	Analog - 167.9 Hz CTCSS TX Incident Tactical		NC 1CALL	DA 01-1621 FCC Public Notice
170.0125	165.2500	Mobile-Fixed	Analog - 167.9 Hz CTCSS TX Incident Tactical		IR 1	DA 01-1621 FCC Public Notice
170.4125	165.9625	Mobile-Fixed	Analog - 167.9 Hz CTCSS TX Incident Tactical		IR 2	DA 01-1621 FCC Public Notice
170.6875	166.5750	Mobile-Fixed	Analog - 167.9 Hz CTCSS TX Incident Tactical		IR 3	DA 01-1621 FCC Public Notice
173.0375	167.3250	Mobile-Fixed	Analog - 167.9 Hz CTCSS TX		IR 4	DA 01-1621

### Table 1: Sorted by band in Numeric Order\*

Table 1: Sorted by band in Numeric Orde
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	C CHANNEL BER LOAD) TRANSMIT	BASE,MOBILE, OR FIXED (REPEATER OR CONTROL)	ELIGIBILITY / PRIMARY USE	Original NCC Name	COMMON NAME	LIMITATIONS (47 CFR Part 90)
169.5375	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct NC 1CALL) Analog - 167.9 Hz CTCSS TX		IR 5	FCC Public Notice DA 01-1621
170.0125	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct for IR 1) Analog - 167.9 Hz CTCSS TX		IR 6	FCC Public Notice DA 01-1621
170.4125	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct for IR 2) Analog - 167.9 Hz CTCSS TX		IR 7	FCC Public Notice DA 01-1621
170.6875	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct for IR 3) Analog - 167.9 Hz CTCSS TX		IR 8	FCC Public Notice DA 01-1621
173.0375	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct for IR 4) Analog - 167.9 Hz CTCSS TX		IR 9	FCC Public Notice DA 01-1621

Use of the NTIA Interoperability Channels by FCC licensees is subject to the conditions specified in FCC Public Notice DA 01-1621. Since 2001 when DA 01-1621 was issued by the FCC, NTIA has modified the table of frequencies. NPSTC is working with our Federal partners to have a revised Public Notice issued by the FCC.

	C CHANNEL BER LOAD)	BASE,MOBILE, OR FIXED (REPEATER	ELIGIBILITY / PRIMARY USE	Original	COMMON	LIMITATIONS
RECEIVE	TRANSMIT	OR CONTROL)	ELIGIBILITY / PRIMARY USE	NCC Name	NAME	(47 CFR Part 90)
MHz	MHz		NTIA UHF Law Enforcement Channels	5		
414.0375	SIMPLEX	Base-Fixed-Mobile	LE Calling (Direct)		LE B	FCC Public Notice
414.0070		Dase Tixed Weblie	Analog - 167.9 Hz CTCSS TX			DA 01-1621
409.9875	418.9875	Mobile-Fixed	LE Tactical		LE 10	FCC Public Notice
			Analog - 167.9 Hz CTCSS TX	-		DA 01-1621
410.1875	419.1875	Mobile-Fixed	LE Tactical		LE 11	FCC Public Notice
			P25 Digital - \$68F NAC LE Tactical	+		DA 01-1621 FCC Public Notice
410.6125	419.6125	Mobile-Fixed	P25 Digital - \$68F NAC		LE 12	DA 01-1621
			LE Tactical (Direct)			FCC Public Notice
414.0625	SIMPLEX	Base-Fixed-Mobile	P25 Digital - \$68F NAC		LE 13	DA 01-1621
44.4.04.05		Deee Fined Mahile	LE Tactical (Direct)		1544	FCC Public Notice
414.3125	SIMPLEX	Base-Fixed-Mobile	P25 Digital - \$68F NAC		LE 14	DA 01-1621
414.3375	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct)		LE 15	FCC Public Notice
414.3373	SIMPLEX	Dase-Fixed-IVIODIle	P25 Digital - \$68F NAC		LE IJ	DA 01-1621
409.9875	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct for LE 10)		LE 16	FCC Public Notice
100.0010			Analog - 167.9 Hz CTCSS TX			DA 01-1621
410.1875	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct for LE 11)		LE 17	FCC Public Notice
	-		P25 Digital - \$68F NAC			DA 01-1621
410.6125	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct for LE 12) P25 Digital - \$68F NAC		LE 18	FCC Public Notice
MHz	MHz		NTIA UHF Incident Response Channel	e		DA 01-1621
			Incident Calling	3		FCC Public Notice
410.2375	419.2375	Mobile-Fixed	Analog - 167.9 Hz CTCSS TX		NC 2CALL	DA 01-1621
440 4075	440.4075		Incident Tactical		15.40	FCC Public Notice
410.4375	419.4375	Mobile-Fixed	Analog - 167.9 Hz CTCSS TX		IR 10	DA 01-1621
410.6375	419.6375	Mobile-Fixed	Incident Tactical		IR 11	FCC Public Notice
410.0375	419.0375		Analog - 167.9 Hz CTCSS TX			DA 01-1621
410.8375	419.8375	Mobile-Fixed	Incident Tactical		IR 12	FCC Public Notice
		incone i sica	Analog - 167.9 Hz CTCSS TX			DA 01-1621
413.1875	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct)		IR 13	FCC Public Notice
			Analog - 167.9 Hz CTCSS TX Incident Tactical (Direct)			DA 01-1621 FCC Public Notice
413.2125	SIMPLEX	Base-Fixed-Mobile	Analog - 167.9 Hz CTCSS TX		IR 14	DA 01-1621
			Incident Tactical (Direct NC 2CALL)			FCC Public Notice
410.2375	SIMPLEX	Base-Fixed-Mobile	Analog - 167.9 Hz CTCSS TX		IR 15	DA 01-1621
			Incident Tactical (Direct for IR 10)			FCC Public Notice
410.4375	SIMPLEX	Base-Fixed-Mobile	Analog - 167.9 Hz CTCSS TX		IR 16	DA 01-1621
110 0075		Dana Eined Mal II	Incident Tactical (Direct for IR 11)		10.47	FCC Public Notice
410.6375	SIMPLEX	Base-Fixed-Mobile	Analog - 167.9 Hz CTCSS TX		IR 17	DA 01-1621
410.8375	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct for IR 12)		IR 18	FCC Public Notice
410.03/3	SIIVIPLEX	Dase-Fixeu-IVIODIIE	Analog - 167.9 Hz CTCSS TX		01 70	DA 01-1621

Table 1: Sorted by	v band in	Numeric	Order*
		Trainio III	01001

was issued by the FCC, NTIA has modified the table of frequencies. NPSTC is working with our Federal partners to have a revised Public Notice issued by the FCC.

MHz	MHz		FCC 450 - 470 MHz Public Safety Band			
453.2125	458.2125	Mobile-Fixed	Any Public Safety Eligible	4CAL27D	UCALL40	90.20(c)(3) [80,83]
433.2123	SIMPLEX	Base-Fixed-Mobile	Any Fublic Salety Eligible	4CAL27	UCALL40D	90.20(0)(3) [80,83]
453.4625	458.4625	Mobile-Fixed	Any Public Safety Eligible	4TAC28D	UTAC41	90.20(c)(3) [80]
433.4023	SIMPLEX	Base-Fixed-Mobile	Any Fublic Salety Eligible	4TAC28	UTAC41D	90.20(C)(3) [00]
453.7125	458.7125	Mobile-Fixed	Any Public Safety Eligible	4TAC29D	UTAC42	90.20(c)(3) [80]
455.7125	SIMPLEX	Base-Fixed-Mobile	Any Fublic Salety Eligible	4TAC29	UTAC42D	90.20(c)(3) [80]
453.8625	458.8625	Mobile-Fixed	Any Public Safety Eligible	4TAC30D	UTAC43	90.20(c)(3) [80]
400.0020	SIMPLEX	Base-Fixed-Mobile	Any Fublic Salety Eligible	4TAC30	UTAC43D	30.20(0)(3) [80]

	CHANNEL	BASE, MOBILE, OR		<b>.</b>	COMMON	LIMITATIONS
		FIXED (REPEATER	ELIGIBILITY / PRIMARY USE	Original	NAME	(47 CFR Part 90)
RECEIVE	TRANSMIT	OR CONTROL)		NCC Name		. ,
CHANNEL	CHANNEL		0 MHz Public Safety Band <mark>(12.5 kHz Ch</mark>		7041150	
769.24375	799.24375 SIMPLEX	Mobile-Fixed Base-Fixed-Mobile	Calling Channel	7CAL59	7CALL50 7CALL50D	90.531(a)(1)(ii)
	799.14375	Mobile-Fixed	General Public Safety Service	7TAC58	7CALL50D 7TAC51	
769.14375	SIMPLEX	Base-Fixed-Mobile	(secondary trunked)	717030	7TAC51D	90.531(a)(1)(iii)
	799.64375	Mobile-Fixed	General Public Safety Service	7TAC62	7TAC52	
769.64375	SIMPLEX	Base-Fixed-Mobile	(secondary trunked)	1111002	7TAC52D	90.531(a)(1)(iii)
770 4 4075	800.14375	Mobile-Fixed	General Public Safety Service	7TAC66	7TAC53	00 504(-)(4)(!!!)
770.14375	SIMPLEX	Base-Fixed-Mobile	(secondary trunked)		7TAC53D	90.531(a)(1)(iii)
770.64375	800.64375	Mobile-Fixed	General Public Safety Service	7TAC70	7TAC54	90.531(a)(1)(iii)
110:04010	SIMPLEX	Base-Fixed-Mobile	(secondary trunked)		7TAC54D	50.001(d)(1)(lll)
769.74375	799.74375	Mobile-Fixed	General Public Safety Service	7TAC63	7TAC55	
	SIMPLEX	Base-Fixed-Mobile			7TAC55D	
770.24375	800.24375	Mobile-Fixed	General Public Safety Service	7TAC67	7TAC56	
	SIMPLEX	Base-Fixed-Mobile Mobile-Fixed	-	7TAC73	7TAC56D	
770.99375	800.99375 SIMPLEX	Base-Fixed-Mobile	Other Public Service	/TAC/3	7GTAC57 7GTAC57D	
	800.89375	Mobile-Fixed		7MOB72	7MOB59	
770.89375	SIMPLEX	Base-Fixed-Mobile	Mobile Repeater (M03 Use Primary)	100012	7MOB59D	
770 00075	800.39375	Mobile-Fixed		7LAW68	7LAW61	
770.39375	SIMPLEX	Base-Fixed-Mobile	Law Enforcement		7LAW61D	
770.49375	800.49375	Mobile-Fixed	Law Enforcement	7LAW69	7LAW62	
110.49315	SIMPLEX	Base-Fixed-Mobile			7LAW62D	
769.89375	799.89375	Mobile-Fixed	Fire	7FIR64	7FIRE63	
100.00010	SIMPLEX	Base-Fixed-Mobile	110		7FIRE63D	
769.99375	799.99375	Mobile-Fixed	Fire	7FIR65	7FIRE64	
	SIMPLEX	Base-Fixed-Mobile			7FIRE64D	
769.39375	799.39375	Mobile-Fixed	EMS	7MED60	7MED65	
	SIMPLEX 799.49375	Base-Fixed-Mobile Mobile-Fixed		7EMS61	7MED65D 7MED66	
769.49375	SIMPLEX	Base-Fixed-Mobile	EMS	7 EIVISO I	7MED66D	
	800.74375	Mobile-Fixed		7DAT71	7DATA69	
770.74375	SIMPLEX	Base-Fixed-Mobile	Mobile Data	TBRITT	7DATA69D	90.531(a)(1)(i)
770 05005	803.25625	Mobile-Fixed		7CAL75	7CALL70	00 504( )(4)(")
773.25625	SIMPLEX	Base-Fixed-Mobile	Calling Channel		7CALL70D	90.531(a)(1)(ii)
773.10625	803.10625	Mobile-Fixed	General Public Safety Service	7TAC74	7TAC71	90.531(a)(1)(iii)
773.10023	SIMPLEX	Base-Fixed-Mobile	(secondary trunked)		7TAC71D	90.551(a)(1)(iii)
773.60625	803.60625	Mobile-Fixed	General Public Safety Service	7TAC78	7TAC72	90.531(a)(1)(iii)
110.00020	SIMPLEX	Base-Fixed-Mobile	(secondary trunked)		7TAC72D	00.001(0)(1)(iii)
774.10625	804.10625	Mobile-Fixed	General Public Safety Service	7TAC82	7TAC73	90.531(a)(1)(iii)
	SIMPLEX	Base-Fixed-Mobile Mobile-Fixed	(secondary trunked)	774.000	7TAC73D	
774.60625	804.60625 SIMPLEX	Base-Fixed-Mobile	General Public Safety Service	7TAC86	7TAC74	90.531(a)(1)(iii)
	803.75625	Mobile-Fixed	(secondary trunked)	7TAC79	7TAC74D 7TAC75	
773.75625	SIMPLEX	Base-Fixed-Mobile	General Public Safety Service	111013	7TAC75D	
774 05005	804.25625	Mobile-Fixed	Canaral Dublia Cafety Consider	7TAC83	7TAC76	
774.25625	SIMPLEX	Base-Fixed-Mobile	General Public Safety Service		7TAC76D	
774.85625	804.85625	Mobile-Fixed	Other Public Service	7TAC89	7GTAC77	
114.03023	SIMPLEX	Base-Fixed-Mobile			7GTAC77D	
774.50625	804.50625	Mobile-Fixed	Mobile Repeater (M03 Use Primary)	7MOB88	7MOB79	
	SIMPLEX	Base-Fixed-Mobile	(	71 414/04	7MOB79D	
774.00625	804.00625	Mobile-Fixed	Law Enforcement	7LAW84	7LAW81	
	SIMPLEX 804.35625	Base-Fixed-Mobile Mobile-Fixed		7LAW85	7LAW81D 7LAW82	
774.35625	804.35625 SIMPLEX	Base-Fixed-Mobile	Law Enforcement	/LAVVOD	7LAW82 7LAW82D	
	803.50625	Mobile-Fixed		7FIR80	7FIRE83	
773.50625	SIMPLEX	Base-Fixed-Mobile	Fire		7FIRE83D	
770 05005	803.85625	Mobile-Fixed	Fire	7FIR81	7FIRE84	
773.85625	SIMPLEX	Base-Fixed-Mobile	Fire		7FIRE84D	
773.00625	803.00625	Mobile-Fixed	EMS	7EMS76	7MED86	
113.00023	SIMPLEX	Base-Fixed-Mobile			7MED86D	
		Madella, Else al		7EMS77	7MED87	
773.35625	803.35625	Mobile-Fixed	EMS	TENIOTT		
773.35625	803.35625 SIMPLEX 804.75625	Base-Fixed-Mobile Mobile-Fixed	EMS	7DAT87	7MED87D 7DATA89	

Table 1: Sorted by band in Numeric Order\*

FREQ / FCC (SUBSCRIE RECEIVE	CHANNEL BER LOAD) TRANSMIT	BASE,MOBILE, OR FIXED (REPEATER OR CONTROL)	ELIGIBILITY / PRIMARY USE	Original NCC Name	COMMON NAME	LIMITATIONS (47 CFR Part 90)
MHz MHz FCC 800 MHz NPSPAC Band (Post-Rebanding)						
851.0125	806.0125	Mobile-Fixed	Any Public Safety Eligible	8CAL90	8CALL90	90.16
051.0125	SIMPLEX	Base-Fixed-Mobile	Any Fublic Salety Eligible	8CAL90D	8CALL90D	90.10
851.5125	806.5125	Mobile-Fixed	Any Public Safety Eligible	8TAC91	8TAC91	90.16
051.5125	SIMPLEX	Base-Fixed-Mobile	Any Fublic Salety Eligible	8TAC91D	8TAC91D	90.10
852.0125	807.0125	Mobile-Fixed	Any Public Safety Eligible	8TAC92	8TAC92	90.16
052.0125	SIMPLEX	Base-Fixed-Mobile	Any Fublic Salety Eligible	8TAC92D	8TAC92D	90.10
852.5125	807.5125	Mobile-Fixed	Any Public Sofaty Eligible	8TAC93	8TAC93	90.16
052.5125	SIMPLEX	Base-Fixed-Mobile	Any Public Safety Eligible	8TAC93D	8TAC93D	30.10
853.0125	808.0125	Mobile-Fixed	Any Public Safety Eligible	8TAC94	8TAC94	90.16
055.0125	SIMPLEX	Base-Fixed-Mobile		8TAC94D	8TAC94D	90.10

### Appendix\* - Table 2: Sorted by Frequency

	CCHANNEL	BASE,MOBILE, OR			COMMON	LIMITATIONS
	BER LOAD)	FIXED (REPEATER	ELIGIBILITY / PRIMARY USE	Original	NAME	(47 CFR Part 90)
RECEIVE	TRANSMIT MHz	OR CONTROL)	FCC 20 MUE Public Sefety Band	NCC Name		( ,
MHz 39.4600	SIMPLEX	Base-Mobile	FCC 30 MHz Public Safety Band Law Enforcement	3LAW1	LLAW1D	90.20(c)(3) [15]
39.4600	SIMPLEX	Base-Fixed-Mobile	Law Enforcement	3LAW1	LLAW1D	90.20(c)(3) [15]
39.4800	SIMPLEX	Base-Mobile	Fire Proposed	3FIR2	LFIRE2D	Prop. 90.20(c)(3) [19]
39.4800	SIMPLEX	Base-Fixed-Mobile	Fire <b>Proposed</b>	3FIR2	LFIRE2	Prop. 90.20(c)(3) [19]
45.8600	SIMPLEX	Base-Fixed-Mobile	Law Enforcement	3LAW3	LLAW3	90.20(c)(3) [15]
45.8600	SIMPLEX	Base-Mobile	Law Enforcement	3LAW3	LLAW3D	90.20(c)(3) [15]
45.8800	SIMPLEX	Base-Fixed-Mobile	Fire Proposed	3FIR4	LFIRE4	Prop. 90.20(c)(3) [19]
45.8800	SIMPLEX	Base-Mobile	Fire	3FIR4	LFIRE4D	90.20(c)(3) [19]
MHz	MHz		FCC 150 - 162 MHz Public Safety Band	474.05	1/74.044	00.00(.)(0)[00]
151.1375	SIMPLEX	Base-Fixed-Mobile	Any Public Safety Eligible	1TAC5	VTAC11	90.20(c)(3) [80]
151.1375	159.4725	Mobile Temporary	Any Public Safety Eligible 136.5 Hz CTCSS TX		VTAC36	90.20(c)(3) [80]
154.2650	SIMPLEX	Base-Fixed-Mobile	Fire	1FIR7	VFIRE22	90.20(c)(3) [19]
154.2725	SIMPLEX	Base-Fixed-Mobile	Fire	1FIR8	VFIRE24	90.20(c)(3) [19]
154.2800	SIMPLEX	Base-Fixed-Mobile	Fire	1FIR9	VFIRE21	90.20(c)(3) [19]
154.2875	SIMPLEX	Base-Fixed-Mobile	Fire	1FIR10	VFIRE25	90.20(c)(3) [19]
154.2950	SIMPLEX	Base-Fixed-Mobile	Fire	1FIR11	VFIRE23 VFIRE26	90.20(c)(3) [19]
154.3025 154.4525	SIMPLEX SIMPLEX	Base-Fixed-Mobile Base-Fixed-Mobile	Fire Any Public Safety Eligible	1FIR12 1TAC13	VFIRE26	90.20(c)(3) [19] 90.20(c)(3) [80]
			Any Public Safety Eligible	TIACIS		
154.4525	158.7375	Mobile Temporary	136.5 Hz CTCSS TX		VTAC37	90.20(c)(3) [80]
155.3400	SIMPLEX	Base-Fixed-Mobile	EMS	1EMS14	VMED28	90.20(c)(3) [40]
155.3475	SIMPLEX	Base-Fixed-Mobile	EMS	1EMS15	VMED29	90.20(c)(3) [40]
155.4750	SIMPLEX	Base-Fixed-Mobile	Law Enforcement	1LAW16	VLAW31	90.20(c)(3) [41]
155.4825	SIMPLEX	Base-Fixed-Mobile	Law Enforcement	1LAW17	VLAW32	90.20(c)(3) [41]
155.7525 158.7375	SIMPLEX SIMPLEX	Base-Fixed-Mobile Base-Fixed-Mobile	Any Public Safety Eligible Any Public Safety Eligible	1CALL18	VCALL10	90.20(c)(3) [80,83] 90.20(c)(3) [80]
158.7375	SIMPLEX		Any Public Safety Eligible	1TAC22	VTAC13	
158.7375	154.4525	Mobile Temporary	136.5 Hz CTCSS TX		VTAC34	90.20(c)(3) [80]
158.7375	159.4725	Mobile Temporary	Any Public Safety Eligible 136.5 Hz CTCSS TX PR/USVI Only		VTAC38	90.20(c)(3) [80]
159.4725	SIMPLEX	Base-Fixed-Mobile	Any Public Safety Eligible	1TAC23	VTAC14	90.20(c)(3) [80]
159.4725	151.1375	Mobile Temporary	Any Public Safety Eligible		VTAC33	90.20(c)(3) [80]
159.4725	158.7375	Mobile Temporary	136.5 Hz CTCSS TX Any Public Safety Eligible		VTAC35	90.20(c)(3) [80]
100.4720			136.5 Hz CTCSS TX PR/USVI Only			30.20(0)(3) [00]
161.8500	157.2500	Mobile-Fixed	Allocated for Public Safety Use in 33	1TAC19D	VTAC17	90.20(g)
MHz	SIMPLEX MHz	Base-Fixed-Mobile	Inland VPCAs/EAs NTIA VHF Law Enforcement Channels	1TAC24	VTAC17D	
			LE Calling			FCC Public Notice
167.0875	SIMPLEX	Base-Fixed-Mobile	Analog - 167.9 Hz CTCSS TX		LE A	DA 01-1621
167.0875	162.0875	Mobile-Fixed	LE Tactical Analog - 167.9 Hz CTCSS TX		LE 1	FCC Public Notice DA 01-1621
407.0500	162.2625	Mahila Tiyad	LE Tactical		LE 2	FCC Public Notice
167.2500	102.2025	Mobile-Fixed	P25 Digital - \$68F NAC		LE Z	DA 01-1621
167.2500	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct)		LE 6	FCC Public Notice
			P25 Digital - \$68F NAC LE Tactical			DA 01-1621 FCC Public Notice
167.7500	162.8375	Mobile-Fixed	P25 Digital - \$68F NAC		LE 3	DA 01-1621
167.7500	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct)		LE 7	FCC Public Notice
101.1000		Base I iked medile	P25 Digital - \$68F NAC			DA 01-1621
168.1125	163.2875	Mobile-Fixed	LE Tactical		LE 4	FCC Public Notice DA 01-1621
			P25 Digital - \$68F NAC LE Tactical (Direct)			FCC Public Notice
168.1125	SIMPLEX	Base-Fixed-Mobile	P25 Digital - \$68F NAC		LE 8	DA 01-1621
168.4625	163.4250	Mobile-Fixed	LE Tactical P25 Digital - \$68F NAC		LE 5	FCC Public Notice DA 01-1621
168.4625	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct)		LE 9	FCC Public Notice
MHz	MHz		P25 Digital - \$68F NAC NTIA VHF Incident Response Channels		•	DA 01-1621
		•••••	Incident Calling			FCC Public Notice
169.5375	164.7125	Mobile-Fixed	Analog - 167.9 Hz CTCSS TX		NC 1CALL	DA 01-1621
169.5375	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct NC 1CALL)		IR 5	FCC Public Notice
			Analog - 167.9 Hz CTCSS TX Incident Tactical			DA 01-1621 FCC Public Notice
170.0125	165.2500	Mobile-Fixed	Analog - 167.9 Hz CTCSS TX		IR 1	DA 01-1621
170.0125	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct for IR 1)		IRE	FCC Public Notice
170.0125	SIIVIP LEA	Dase-Fixed-WODIIE	Analog - 167.9 Hz CTCSS TX		IR 6	DA 01-1621
170.4125	165.9625	Mobile-Fixed	Incident Tactical Analog - 167.9 Hz CTCSS TX		IR 2	FCC Public Notice DA 01-1621
			Analog - 167.9 Hz CTCSS TX			DA 01-1621

Appendix\* - Table 2: Sorted by Frequency

	C CHANNEL BER LOAD) TRANSMIT	BASE,MOBILE, OR FIXED (REPEATER OR CONTROL)	ELIGIBILITY / PRIMARY USE	Original NCC Name	COMMON NAME	LIMITATIONS (47 CFR Part 90)
170.4125	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct for IR 2) Analog - 167.9 Hz CTCSS TX		IR 7	FCC Public Notice DA 01-1621
170.6875	166.5750	Mobile-Fixed	Incident Tactical Analog - 167.9 Hz CTCSS TX		IR 3	FCC Public Notice DA 01-1621
170.6875	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct for IR 3) Analog - 167.9 Hz CTCSS TX		IR 8	FCC Public Notice DA 01-1621
173.0375	167.3250	Mobile-Fixed	Incident Tactical Analog - 167.9 Hz CTCSS TX		IR 4	FCC Public Notice DA 01-1621
173.0375	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct for IR 4) Analog - 167.9 Hz CTCSS TX		IR 9	FCC Public Notice DA 01-1621
Use of the NTIA Interoperability Channels by FCC licensees is subject to the conditions specified in FCC Public Notice DA 01-1621. Since 2001 when DA 01-1621 vas issued by the FCC, NTIA has modified the table of frequencies. NPSTC is working with our Federal partners to have a revised Public Notice issued by the FCC.						

Appendix*	- Table 2	Sorted by	Frequency
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	C CHANNEL BER LOAD)	BASE,MOBILE, OR FIXED (REPEATER	ELIGIBILITY / PRIMARY USE	Original	COMMON	
RECEIVE	TRANSMIT	OR CONTROL)		NCC Name	NAME	(47 CFR Part 90)
MHz	MHz		NTIA UHF Law Enforcement Channels	5		
409.9875	418.9875	Mobile-Fixed	LE Tactical		LE 10	FCC Public Notice
403.3073	410.3073	WIDDIIE-I IXEU	Analog - 167.9 Hz CTCSS TX			DA 01-1621
409.9875	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct for LE 10)		LE 16	FCC Public Notice
	0		Analog - 167.9 Hz CTCSS TX			DA 01-1621
410.1875	419.1875	Mobile-Fixed	LE Tactical		LE 11	FCC Public Notice
			P25 Digital - \$68F NAC			DA 01-1621
410.1875	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct for LE 11)		LE 17	FCC Public Notice
			P25 Digital - \$68F NAC LE Tactical			DA 01-1621 FCC Public Notice
410.6125	419.6125	Mobile-Fixed	P25 Digital - \$68F NAC		LE 12	DA 01-1621
			LE Tactical (Direct for LE 12)			FCC Public Notice
410.6125	SIMPLEX	Base-Fixed-Mobile	P25 Digital - \$68F NAC		LE 18	DA 01-1621
			LE Calling			FCC Public Notice
414.0375	SIMPLEX	Base-Fixed-Mobile	Analog - 167.9 Hz CTCSS TX		LE B	DA 01-1621
44.4.0005	SIMPLEX	Deeg Fixed Mahile	LE Tactical (Direct)		LE 13	FCC Public Notice
414.0625	SIVIPLEX	Base-Fixed-Mobile	P25 Digital - \$68F NAC		LE 13	DA 01-1621
414.3125	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct)		LE 14	FCC Public Notice
414.3123	SINFLEX	Dase-Fixed-Widdlie	P25 Digital - \$68F NAC		LE 14	DA 01-1621
414.3375	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct)		LE 15	FCC Public Notice
	•	Base I ixed widdlic	P25 Digital - \$68F NAC			DA 01-1621
MHz	MHz		NTIA UHF Incident Response Channels	s		
410.2375	419.2375	Mobile-Fixed	Incident Calling		NC 2CALL	FCC Public Notice
			Analog - 167.9 Hz CTCSS TX			DA 01-1621 FCC Public Notice
410.2375	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct NC 2CALL)		IR 15	
			Analog - 167.9 Hz CTCSS TX Incident Tactical			DA 01-1621 FCC Public Notice
410.4375	419.4375	Mobile-Fixed	Analog - 167.9 Hz CTCSS TX		IR 10	DA 01-1621
			Incident Tactical (Direct for IR 10)			FCC Public Notice
410.4375	SIMPLEX	Base-Fixed-Mobile	Analog - 167.9 Hz CTCSS TX		IR 16	DA 01-1621
			Incident Tactical			FCC Public Notice
410.6375	419.6375	Mobile-Fixed	Analog - 167.9 Hz CTCSS TX		IR 11	DA 01-1621
410.6375	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct for IR 11)		ID 47	FCC Public Notice
410.6375	SIVIPLEX	Base-Fixed-Iviobile	Analog - 167.9 Hz CTCSS TX		IR 17	DA 01-1621
410.8375	419.8375	Mobile-Fixed	Incident Tactical		IR 12	FCC Public Notice
410.0375	419.03/3	woone-rixed	Analog - 167.9 Hz CTCSS TX		IR 12	DA 01-1621
410.8375	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct for IR 12)		IR 18	FCC Public Notice
110.0010			Analog - 167.9 Hz CTCSS TX			DA 01-1621
413.1875	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct)		IR 13	FCC Public Notice
			Analog - 167.9 Hz CTCSS TX			DA 01-1621
413.2125	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct)		IR 14	FCC Public Notice
-			Analog - 167.9 Hz CTCSS TX			DA 01-1621

Use of the NTIA Interoperability Channels by FCC licensees is subject to the conditions specified in FCC Public Notice DA 01-1621. Since 2001 when DA 01-1621 was issued by the FCC, NTIA has modified the table of frequencies. NPSTC is working with our Federal partners to have a revised Public Notice issued by the FCC.

MHz	MHz		FCC 450 - 470 MHz Public Safety Band			
453.2125	458.2125	Mobile-Fixed	Any Public Safety Eligible	4CAL27D	UCALL40	90.20(c)(3) [80,83]
403.2120	SIMPLEX	Base-Fixed-Mobile	Any Public Salety Eligible	4CAL27	UCALL40D	90.20(0)(3) [60,63]
453.4625	458.4625	Mobile-Fixed	Any Public Safety Eligible	4TAC28D	UTAC41	90.20(c)(3) [80]
455.4025	SIMPLEX	Base-Fixed-Mobile	bile Any Public Salety Eligible	4TAC28	UTAC41D	90.20(C)(3) [00]
453.7125	458.7125	Mobile-Fixed	Any Public Safety Eligible	4TAC29D	UTAC42	90.20(c)(3) [80]
455.7125	SIMPLEX	Base-Fixed-Mobile		4TAC29	UTAC42D	90.20(0)(3) [80]
453.8625	458.8625	Mobile-Fixed	Any Public Safety Eligible	4TAC30D	UTAC43	90.20(c)(3) [80]
	SIMPLEX	Base-Fixed-Mobile		4TAC30	UTAC43D	30.20(0)(3) [00]

### Appendix\* - Table 2: Sorted by Frequency

	CHANNEL	BASE, MOBILE, OR			COMMON	LIMITATIONS
	BER LOAD)	FIXED (REPEATER	ELIGIBILITY / PRIMARY USE	Original	NAME	(47 CFR Part 90)
RECEIVE	TRANSMIT	OR CONTROL)		NCC Name		(
CHANNEL	CHANNEL	FCC 70	0 MHz Public Safety Band (12.5 kHz Ch		774054	
769.14375	799.14375 SIMPLEX	Mobile-Fixed Base-Fixed-Mobile	General Public Safety Service	7TAC58	7TAC51 7TAC51D	90.531(a)(1)(iii)
	799.24375	Mobile-Fixed	(secondary trunked)	7CAL59	7CALL50	
769.24375	SIMPLEX	Base-Fixed-Mobile	Calling Channel	TORESS	7CALL50D	90.531(a)(1)(ii)
	799.39375	Mobile-Fixed		7MED60	7MED65	
769.39375	SIMPLEX	Base-Fixed-Mobile	EMS		7MED65D	
769.49375	799.49375	Mobile-Fixed	EMS	7EMS61	7MED66	
103.43515	SIMPLEX	Base-Fixed-Mobile			7MED66D	
769.64375	799.64375	Mobile-Fixed	General Public Safety Service	7TAC62	7TAC52	90.531(a)(1)(iii)
	SIMPLEX	Base-Fixed-Mobile	(secondary trunked)	774.000	7TAC52D	
769.74375	799.74375	Mobile-Fixed	General Public Safety Service	7TAC63	7TAC55	
	SIMPLEX 799.89375	Base-Fixed-Mobile Mobile-Fixed		7FIR64	7TAC55D 7FIRE63	
769.89375	SIMPLEX	Base-Fixed-Mobile	Fire	7 FIK04	7FIRE63D	
	799.99375	Mobile-Fixed		7FIR65	7FIRE64	
769.99375	SIMPLEX	Base-Fixed-Mobile	Fire	111100	7FIRE64D	
770 4 4075	800.14375	Mobile-Fixed	General Public Safety Service	7TAC66	7TAC53	00 504(-)(4)(!!!)
770.14375	SIMPLEX	Base-Fixed-Mobile	(secondary trunked)		7TAC53D	90.531(a)(1)(iii)
770.24375	800.24375	Mobile-Fixed	General Public Safety Service	7TAC67	7TAC56	
110.24010	SIMPLEX	Base-Fixed-Mobile	General 1 ublic Galety Gervice		7TAC56D	
770.39375	800.39375	Mobile-Fixed	Law Enforcement	7LAW68	7LAW61	
	SIMPLEX	Base-Fixed-Mobile		71 414/00	7LAW61D	
770.49375	800.49375 SIMPLEX	Mobile-Fixed	Law Enforcement	7LAW69	7LAW62	
	800.64375	Base-Fixed-Mobile Mobile-Fixed	General Public Safety Service	7TAC70	7LAW62D 7TAC54	
770.64375	SIMPLEX	Base-Fixed-Mobile	(secondary trunked)	71AC70	7TAC54 7TAC54D	90.531(a)(1)(iii)
	800.74375	Mobile-Fixed		7DAT71	7DATA69	22 22 4 1 1 1 1 1 1
770.74375	SIMPLEX	Base-Fixed-Mobile	Mobile Data		7DATA69D	90.531(a)(1)(i)
770 90275	800.89375	Mobile-Fixed	Mobile Depenter (M02 Line Primory)	7MOB72	7MOB59	
770.89375	SIMPLEX	Base-Fixed-Mobile	Mobile Repeater (M03 Use Primary)		7MOB59D	
770.99375	800.99375	Mobile-Fixed	Other Public Service	7TAC73	7GTAC57	
110.00010	SIMPLEX	Base-Fixed-Mobile			7GTAC57D	
773.00625	803.00625	Mobile-Fixed	EMS	7EMS76	7MED86	
	SIMPLEX	Base-Fixed-Mobile	Concret Public Sofati Sorvice	774074	7MED86D	
773.10625	803.10625 SIMPLEX	Mobile-Fixed Base-Fixed-Mobile	General Public Safety Service	7TAC74	7TAC71 7TAC71D	90.531(a)(1)(iii)
	803.25625	Mobile-Fixed	(secondary trunked)	7CAL75	7CALL70	
773.25625	SIMPLEX	Base-Fixed-Mobile	Calling Channel	TORETO	7CALL70D	90.531(a)(1)(ii)
770 05005	803.35625	Mobile-Fixed	540	7EMS77	7MED87	
773.35625	SIMPLEX	Base-Fixed-Mobile	EMS		7MED87D	
773.50625	803.50625	Mobile-Fixed	Fire	7FIR80	7FIRE83	
113.30023	SIMPLEX	Base-Fixed-Mobile			7FIRE83D	
773.60625	803.60625	Mobile-Fixed	General Public Safety Service	7TAC78	7TAC72	90.531(a)(1)(iii)
	SIMPLEX	Base-Fixed-Mobile	(secondary trunked)	774070	7TAC72D	× /× /× /
773.75625	803.75625 SIMPLEX	Mobile-Fixed Base-Fixed-Mobile	General Public Safety Service	7TAC79	7TAC75 7TAC75D	
	803.85625	Mobile-Fixed		7FIR81	7FIRE84	
773.85625	SIMPLEX	Base-Fixed-Mobile	Fire	71 1101	7FIRE84D	
774 00005	804.00625	Mobile-Fixed		7LAW84	7LAW81	
774.00625	SIMPLEX	Base-Fixed-Mobile	Law Enforcement		7LAW81D	
774.10625	804.10625	Mobile-Fixed	General Public Safety Service	7TAC82	7TAC73	90.531(a)(1)(iii)
114.10020	SIMPLEX	Base-Fixed-Mobile	(secondary trunked)		7TAC73D	30.331(a)(1)(III)
774.25625	804.25625	Mobile-Fixed	General Public Safety Service	7TAC83	7TAC76	
	SIMPLEX	Base-Fixed-Mobile			7TAC76D	
774.35625	804.35625	Mobile-Fixed	Law Enforcement	7LAW85	7LAW82	
	SIMPLEX 804.50625	Base-Fixed-Mobile Mobile-Fixed		7MOB88	7LAW82D	
774.50625	SIMPLEX	Base-Fixed-Mobile	Mobile Repeater (M03 Use Primary)		7MOB79 7MOB79D	
	804.60625	Mobile-Fixed	General Public Safety Service	7TAC86	7MOB79D 7TAC74	
774.60625	SIMPLEX	Base-Fixed-Mobile	(secondary trunked)	11,000	7TAC74D	90.531(a)(1)(iii)
774 75005	804.75625	Mobile-Fixed		7DAT87	7DATA89	00 504/-\/4\/'\
774.75625	SIMPLEX	Base-Fixed-Mobile	Mobile Data		7DATA89D	90.531(a)(1)(i)
774.85625	804.85625	Mobile-Fixed	Other Public Service	7TAC89	7GTAC77	
	SIMPLEX	Base-Fixed-Mobile			7GTAC77D	

Appendix\* - Table 2: Sorted by Frequency

	C CHANNEL BER LOAD) TRANSMIT	BASE,MOBILE, OR FIXED (REPEATER OR CONTROL)	ELIGIBILITY / PRIMARY USE	Original NCC Name	COMMON NAME	LIMITATIONS (47 CFR Part 90)
MHz MHz FCC 800 MHz NPSPAC Band (Post-Rebanding)						
851.0125	806.0125	Mobile-Fixed	Any Public Safety Eligible	8CAL90	8CALL90	90.16
001.0120	SIMPLEX	Base-Fixed-Mobile	Any Fublic Salety Eligible	8CAL90D	8CALL90D	90.10
851.5125	806.5125	Mobile-Fixed	Any Public Safety Eligible	8TAC91	8TAC91	90.16
001.0120	SIMPLEX	Base-Fixed-Mobile	Any Fublic Salety Eligible	8TAC91D	8TAC91D	30.10
852.0125	807.0125	Mobile-Fixed	Any Public Safety Eligible	8TAC92	8TAC92	90.16
052.0125	SIMPLEX	Base-Fixed-Mobile	Any Fublic Salety Eligible	8TAC92D	8TAC92D	90.10
852.5125	807.5125	Mobile-Fixed	Any Public Safety Eligible	8TAC93	8TAC93	90.16
052.5125	SIMPLEX	Base-Fixed-Mobile	Any Fublic Salety Eligible	8TAC93D	8TAC93D	30.10
853.0125	808.0125	Mobile-Fixed	Any Public Safety Eligible	8TAC94	8TAC94	90.16
853.0125	SIMPLEX	Base-Fixed-Mobile	Any Public Safety Eligible	8TAC94D	8TAC94D	90.10

Post-Rebanding/Narrowbanding									
Common Name	Short Name (6 char)	Rx FREQ	Rx CTCSS	Tx FREQ	Tx CTCSS				
	VH	F LOW B	AND						
LLAW1	LLAW1	39.4600	156.7	45.8600	156.7				
LLAW1D	LLAW1D	39.4600	156.7	Simplex	156.7				
LFIRE2 (proposed)	LFIRE2	39.4800	156.7	Simplex	156.7				
LFIRE2D (proposed)	LFIRE2D	39.4800	156.7	45.8800	156.7				
LLAW3	LLAW3	45.8600	156.7	39.4600	156.7				
LLAW3D	LLAW3D	45.8600	156.7	Simplex	156.7				
LFIRE4 (proposed)	LFIRE4	45.8800	156.7	39.4800	156.7				
LFIRE4D	LFIRE4D	45.8800	156.7	Simplex	156.7				
VHF HIGH BAND									
VCALL10	VCAL10	155.7525	none*	Simplex	156.7				
VTAC11	VTAC11	151.1375	none*	Simplex	156.7				
VTAC12	VTAC12	154.4525	none*	Simplex	156.7				
VTAC13	VTAC13	158.7375	none*	Simplex	156.7				
VTAC14	VTAC14	159.4725	none*	Simplex	156.7				
VTAC17	VTAC17	161.8500	156.7	157.2500	156.7				
VTAC17D	TAC17D	161.8500	156.7	Simplex	156.7				
VFIRE21	VFIR21	154.2800	156.7	Simplex	156.7				
VFIRE22	VFIR22	154.2650	156.7	Simplex	156.7				
VFIRE23	VFIR23	154.2950	156.7	Simplex	156.7				
/FIRE24	VFIR24	154.2725	156.7	Simplex	156.7				
/FIRE25	VFIR25	154.2875	156.7	Simplex	156.7				
VFIRE26	VFIR26	154.3025	156.7	Simplex	156.7				
/MED28	VMED28	155.3400	156.7	Simplex	156.7				
/MED29	VMED29	155.3475	156.7	Simplex	156.7				
/LAW31	VLAW31	155.4750	156.7	Simplex	156.7				
VLAW32	VLAW32	155.4825	156.7	Simplex	156.7				
VTAC33	VTAC33	159.4725	none*	151.1375	136.5				
VTAC34	VTAC34	158.7375	none*	154.4525	136.5				
/TAC35	VTAC35	159.4725	none*	158.7375	136.5				
/TAC36	VTAC36	151.1375	none*	159.4725	136.5				
/TAC37	VTAC37	154.4525	none*	158.7375	136.5				
VTAC38	VTAC38	158.7375	none*	159.4725	136.5				
		UHF							
JCALL40	UCAL40	453.2125	none*	458.2125	156.7				
JCALL40D	CAL40D	453.2125	none*	Simplex	156.7				
JTAC41	UTAC41	453.4625	none*	458.4625	156.7				
JTAC41D	TAC41D	453.4625	none*	Simplex	156.7				
JTAC42	UTAC42	453.7125	none*	458.7125	156.7				
JTAC42D	TAC42D	453.7125	none*	Simplex	156.7				
JTAC43	UTAC43	453.8625	none*	458.8625	156.7				
JTAC43D	TAC43D	453.8625	none*	Simplex	156.7				
		800 MHz							
BCALL90	CAL90	851.0125	156.7	806.0125	156.7				
BCALL90D	CAL90D	851.0125	156.7	Simplex	156.7				
8TAC91	TAC91	851.5125	156.7	806.5125	156.7				
8TAC91D	TAC91D	851.5125	156.7	Simplex	156.7				
8TAC92	TAC92	852.0125	156.7	807.0125	156.7				
8TAC92D	TAC92D	852.0125	156.7	Simplex	156.7				

## Appendix\* - Table 3: Short (Six Character) Names

		•		,	
8TAC93	TAC93	852.5125	156.7	807.5125	156.7
8TAC93D	TAC93D	852.5125	156.7	Simplex	156.7
8TAC94	TAC94	853.0125	156.7	808.0125	156.7
8TAC94D	TAC94D	853.0125	156.7	Simplex	156.7

### Appendix\* - Table 3: Short (Six Character) Names

VTAC17 and VTAC17D are limited to use in 33 VCPSAs/EAs. See FCC Rules & Regulations 90.20(g)



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