

Allied Radio Matrix for Emergency Response (ARMER) Standards, Protocols, Procedures

Document Section 3	Interoperability Standards	Status: Complete
State Standard Number	3.18.0	
Standard Title	Standardized FCC Interoperability Channel Naming Format	
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Replaces Document Dated		
Date Revised		

1. Purpose or Objective

The intent of this standard is that each Federal Communications Commission (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 unique name shall be used by all jurisdictions participating on the ARMER radio system.

The format consists of a maximum of eight characters. Because some radios cannot support eight characters for technical reasons, a six character name for some channels has been developed. The six character name shall only be used in equipment that is not capable of implementing the eight character name.

2. Standard naming format

B 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 (806 – 809 / 851-854 MHz) – Not used for channel names in six character format.

Type Channel Use 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 six characters available in the display, the first “Band” character is deleted, and the “**type**” Channel Use field is limited to the first three 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	Definitions
CALL	CAL	Channel is dedicated nationwide for the express purpose of interoperability calling
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-government 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 M03)
SAR	SAR	Primarily used for interagency incident communications for search and rescue operations.
TAC	TAC	Primarily used for interagency communications by any public safety eligible
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

Unique Channel Identifier

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 – 163 MHz)
- 40-49 UHF Band (450-470 MHz)
- 50-89 700 MHz (769-775 / 799-805 MHz)
- 90-99 800 MHz “NPSPEC” 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.

M Modifier

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.]

3. Standardized Tone Squelch or Network Access Codes

The use of a common Continuous Tone Controlled Squelch (CTSS) 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 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 Public Safety 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 \$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 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 (“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.
 - 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).

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 \$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.
 - c. The operational configuration of the mobile relay station shall be published in applicable resources 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.

Subscriber Radio Programming

INTEROPERABILITY CHANNEL CONFIGURATIONS

Interoperability channels listed with both mobile relay and 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.

3. Management

Violations of the Standardized FCC Interoperability Naming Standard shall be reported to the Statewide Emergency Communications Board (SECB) by the agency that monitors such violations. Repeated infractions will be reviewed by the SECB for the purpose of making recommendations to the Commissioner of Public Safety for action. Warning letters will be sent by the chair of the SECB to agencies who have allegedly violated these rules. Said letters will require a reply from the alleged violator agency to the Chair of the SECB within ten days of receipt. The letter must include:

1. A detailed explanation of circumstances surrounding the alleged violation.
2. What, if any, actions will be taken to prevent reoccurrence of the alleged violation.

If an agency repeatedly violates these rules, the Statewide Emergency Communications Board shall recommend that the Commissioner cancel their authorization to operate on the ARMER Backbone.

Command and Control: Compliance with this standard shall be the responsibility of each public safety jurisdiction operating on the ARMER radio system.

Candidate American National Standard Channel Nomenclature for the Public Safety Interoperability Channels

Table 1: Sorted by band in Numeric Order

FREQ / FCC CHANNEL (SUBSCRIBER LOAD)		BASE,MOBILE, OR FIXED (REPEATER OR CONTROL)	ELIGIBILITY / PRIMARY USE	Original NCC Name	COMMON NAME	LIMITATIONS (47 CFR Part 90)
RECEIVE	TRANSMIT					
MHz	MHz	FCC 30 MHz Public Safety Band				
39.4600	SIMPLEX	Base-Fixed-Mobile	Law Enforcement	3LAW1	LLAW1	90.20(c)(3) [15]
39.4800	SIMPLEX	Base-Fixed-Mobile	Fire <i>Proposed</i>	3FIR2	LFIRE2	Prop. 90.20(c)(3) [19]
45.8600	SIMPLEX	Base-Fixed-Mobile	Law Enforcement	3LAW3	LLAW3	90.20(c)(3) [15]
45.8800	SIMPLEX	Base-Fixed-Mobile	Fire	3FIR4	LFIRE4	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	Base-Fixed-Mobile	Any Public Safety Eligible	1TAC23	VTAC14	90.20(c)(3) [80]
161.8500	157.2500	Mobile-Fixed	Allocated for Public Safety Use in 33 Inland VPCAs/EAs	1TAC19D	VTAC17	90.20(g)
	SIMPLEX	Base-Fixed-Mobile		1TAC24	VTAC17D	
154.2800	SIMPLEX	Base-Fixed-Mobile	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]
MHz	MHz	NTIA VHF Law Enforcement Channels				
167.0875	SIMPLEX	Base-Fixed-Mobile	LE Calling 167.9 Hz CTCSS TX	Analog	LE A	FCC Public Notice 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
167.2500	162.2625	Mobile-Fixed	LE Tactical Digital - \$68F NAC	P25	LE 2	FCC Public Notice DA 01-1621
167.7500	162.8375	Mobile-Fixed	LE Tactical Digital - \$68F NAC	P25	LE 3	FCC Public Notice DA 01-1621
168.1125	163.2875	Mobile-Fixed	LE Tactical Digital - \$68F NAC	P25	LE 4	FCC Public Notice DA 01-1621
168.4625	163.4250	Mobile-Fixed	LE Tactical Digital - \$68F NAC	P25	LE 5	FCC Public Notice DA 01-1621
167.2500	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct) P25 Digital - \$68F NAC		LE 6	FCC Public Notice DA 01-1621
167.7500	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct) P25 Digital - \$68F NAC		LE 7	FCC Public Notice DA 01-1621
168.1125	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct) P25 Digital - \$68F NAC		LE 8	FCC Public Notice DA 01-1621
168.4625	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct) P25 Digital - \$68F NAC		LE 9	FCC Public Notice DA 01-1621
MHz	MHz	NTIA VHF Incident Response Channels				
169.5375	164.7125	Mobile-Fixed	Incident Calling 167.9 Hz CTCSS TX	Analog	NC 1CALL	FCC Public Notice DA 01-1621
170.0125	165.2500	Mobile-Fixed	Incident Tactical 167.9 Hz CTCSS TX	Analog	IR 1	FCC Public Notice DA 01-1621
170.4125	165.9625	Mobile-Fixed	Incident Tactical 167.9 Hz CTCSS TX	Analog	IR 2	FCC Public Notice DA 01-1621
170.6875	166.5750	Mobile-Fixed	Incident Tactical 167.9 Hz CTCSS TX	Analog	IR 3	FCC Public Notice DA 01-1621
173.0375	167.3250	Mobile-Fixed	Incident Tactical 167.9 Hz CTCSS TX	Analog	IR 4	FCC Public Notice DA 01-1621
169.5375	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct) Analog - 167.9 Hz CTCSS TX		IR 5	FCC Public Notice DA 01-1621
170.0125	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct) Analog - 167.9 Hz CTCSS TX		IR 6	FCC Public Notice DA 01-1621
170.4125	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct) Analog - 167.9 Hz CTCSS TX		IR 7	FCC Public Notice DA 01-1621
170.6875	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct) Analog - 167.9 Hz CTCSS TX		IR 8	FCC Public Notice DA 01-1621
173.0375	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct) 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 DA 01-1621 was issued by the FCC in 2001, NTIA has modified the table of frequencies. NPSTC is working with our Federal partners to have a revised Public Notice issued by the FCC.

Candidate American National Standard Channel Nomenclature for the Public Safety Interoperability Channels

Table 1: Sorted by band in Numeric Order

FREQ / FCC CHANNEL (SUBSCRIBER LOAD)		BASE,MOBILE, OR FIXED (REPEATER OR CONTROL)	ELIGIBILITY / PRIMARY USE	Original NCC Name	COMMON NAME	LIMITATIONS (47 CFR Part 90)
RECEIVE	TRANSMIT					
MHz	MHz	NTIA UHF Law Enforcement Channels				
414.0375	SIMPLEX	Base-Fixed-Mobile	LE Calling Analog - 167.9 Hz CTCSS TX		LE B	FCC Public Notice DA 01-1621
409.9875	418.9875	Mobile-Fixed	LE Tactical Analog - 167.9 Hz CTCSS TX		LE 10	FCC Public Notice DA 01-1621
410.1875	419.1875	Mobile-Fixed	LE Tactical P25 Digital - \$68F NAC		LE 11	FCC Public Notice DA 01-1621
410.6125	419.6125	Mobile-Fixed	LE Tactical P25 Digital - \$68F NAC		LE 12	FCC Public Notice DA 01-1621
414.0625	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct) P25 Digital - \$68F NAC		LE 13	FCC Public Notice DA 01-1621
414.3125	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct) P25 Digital - \$68F NAC		LE 14	FCC Public Notice DA 01-1621
414.3375	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct) P25 Digital - \$68F NAC		LE 15	FCC Public Notice DA 01-1621
409.9875	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct) Analog - 167.9 Hz CTCSS TX		LE 16	FCC Public Notice DA 01-1621
410.1875	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct) P25 Digital - \$68F NAC		LE 17	FCC Public Notice DA 01-1621
410.6125	SIMPLEX	Base-Fixed-Mobile	LE Tactical (Direct) P25 Digital - \$68F NAC		LE 18	FCC Public Notice DA 01-1621
MHz	MHz	NTIA UHF Incident Response Channels				
410.2375	164.7125	Mobile-Fixed	Incident Calling 167.9 Hz CTCSS TX	Analog -	NC 2CALL	FCC Public Notice DA 01-1621
410.4375	165.2500	Mobile-Fixed	Incident Tactical - 167.9 Hz CTCSS TX	Analog	IR 10	FCC Public Notice DA 01-1621
410.6375	165.9625	Mobile-Fixed	Incident Tactical - 167.9 Hz CTCSS TX	Analog	IR 11	FCC Public Notice DA 01-1621
410.8375	166.5750	Mobile-Fixed	Incident Tactical - 167.9 Hz CTCSS TX	Analog	IR 12	FCC Public Notice DA 01-1621
413.1875	167.3250	Mobile-Fixed	Incident Tactical - 167.9 Hz CTCSS TX	Analog	IR 13	FCC Public Notice DA 01-1621
413.2125	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct) Analog - 167.9 Hz CTCSS TX		IR 14	FCC Public Notice DA 01-1621
410.2375	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct) Analog - 167.9 Hz CTCSS TX		IR 15	FCC Public Notice DA 01-1621
410.4375	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct) Analog - 167.9 Hz CTCSS TX		IR 16	FCC Public Notice DA 01-1621
410.6375	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct) Analog - 167.9 Hz CTCSS TX		IR 17	FCC Public Notice DA 01-1621
410.8375	SIMPLEX	Base-Fixed-Mobile	Incident Tactical (Direct) Analog - 167.9 Hz CTCSS TX		IR 18	FCC Public Notice DA 01-1621
<p><i>Use of the NTIA Interoperability Channels by FCC licensees is subject to the conditions specified in FCC Public Notice DA 01-1621. Since DA 01-1621 was issued by the FCC in 2001, NTIA has modified the table of frequencies. NPSTC is working with our Federal partners to have a revised Public Notice issued by the FCC.</i></p>						
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]
	SIMPLEX	Base-Fixed-Mobile		4CAL27	UCALL40D	
453.4625	458.4625	Mobile-Fixed	Any Public Safety Eligible	4TAC28D	UTAC41	90.20(c)(3) [80]
	SIMPLEX	Base-Fixed-Mobile		4TAC28	UTAC41D	
453.7125	458.7125	Mobile-Fixed	Any Public Safety Eligible	4TAC29D	UTAC42	90.20(c)(3) [80]
	SIMPLEX	Base-Fixed-Mobile		4TAC29	UTAC42D	
453.8625	458.8625	Mobile-Fixed	Any Public Safety Eligible	4TAC30D	UTAC43	90.20(c)(3) [80]
	SIMPLEX	Base-Fixed-Mobile		4TAC30	UTAC43D	

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RECEIVE	TRANSMIT					
FCC 700 MHz Public Safety Band (12.5 kHz Channels)						
769.24375	799.24375	Mobile-Fixed	Calling Channel	7CAL59	7CALL50	90.531(a)(1)(ii)
	SIMPLEX	Base-Fixed-Mobile			7CALL50D	
769.14375	799.14375	Mobile-Fixed	<i>General Public Safety Service (secondary trunked)</i>	7TAC58	7TAC51	90.531(a)(1)(iii)
	SIMPLEX	Base-Fixed-Mobile			7TAC51D	
769.64375	799.64375	Mobile-Fixed	<i>General Public Safety Service (secondary trunked)</i>	7TAC62	7TAC52	90.531(a)(1)(iii)
	SIMPLEX	Base-Fixed-Mobile			7TAC52D	
770.14375	800.14375	Mobile-Fixed	<i>General Public Safety Service (secondary trunked)</i>	7TAC66	7TAC53	90.531(a)(1)(iii)
	SIMPLEX	Base-Fixed-Mobile			7TAC53D	
770.64375	800.64375	Mobile-Fixed	<i>General Public Safety Service (secondary trunked)</i>	7TAC70	7TAC54	90.531(a)(1)(iii)
	SIMPLEX	Base-Fixed-Mobile			7TAC54D	
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			7TAC56D	
770.99375	800.99375	Mobile-Fixed	Other Public Service	7TAC73	7GTAC57	
	SIMPLEX	Base-Fixed-Mobile			7GTAC57D	
770.89375	800.89375	Mobile-Fixed	Mobile Repeater (<i>M03 Use Primary</i>)	7MOB72	7MOB59	
	SIMPLEX	Base-Fixed-Mobile			7MOB59D	
770.39375	800.39375	Mobile-Fixed	Law Enforcement	7LAW68	7LAW61	
	SIMPLEX	Base-Fixed-Mobile			7LAW61D	
770.49375	800.49375	Mobile-Fixed	Law Enforcement	7LAW69	7LAW62	
	SIMPLEX	Base-Fixed-Mobile			7LAW62D	
769.89375	799.89375	Mobile-Fixed	Fire	7FIR64	7FIRE63	
	SIMPLEX	Base-Fixed-Mobile			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	Base-Fixed-Mobile			7MED65D	
769.49375	799.49375	Mobile-Fixed	EMS	7EMS61	7MED66	
	SIMPLEX	Base-Fixed-Mobile			7MED66D	
770.74375	800.74375	Mobile-Fixed	Mobile Data	7DAT71	7DATA69	90.531(a)(1)(i)
	SIMPLEX	Base-Fixed-Mobile			7DATA69D	
773.25625	803.25625	Mobile-Fixed	Calling Channel	7CAL75	7CALL70	90.531(a)(1)(ii)
	SIMPLEX	Base-Fixed-Mobile			7CALL70D	
773.10625	803.10625	Mobile-Fixed	<i>General Public Safety Service (secondary trunked)</i>	7TAC74	7TAC71	90.531(a)(1)(iii)
	SIMPLEX	Base-Fixed-Mobile			7TAC71D	
773.60625	803.60625	Mobile-Fixed	<i>General Public Safety Service (secondary trunked)</i>	7TAC78	7TAC72	90.531(a)(1)(iii)
	SIMPLEX	Base-Fixed-Mobile			7TAC72D	
774.10625	804.10625	Mobile-Fixed	<i>General Public Safety Service (secondary trunked)</i>	7TAC82	7TAC73	90.531(a)(1)(iii)
	SIMPLEX	Base-Fixed-Mobile			7TAC73D	
774.60625	804.60625	Mobile-Fixed	<i>General Public Safety Service (secondary trunked)</i>	7TAC86	7TAC74	90.531(a)(1)(iii)
	SIMPLEX	Base-Fixed-Mobile			7TAC74D	
773.75625	803.75625	Mobile-Fixed	General Public Safety Service	7TAC79	7TAC75	
	SIMPLEX	Base-Fixed-Mobile			7TAC75D	
774.25625	804.25625	Mobile-Fixed	General Public Safety Service	7TAC83	7TAC76	
	SIMPLEX	Base-Fixed-Mobile			7TAC76D	
774.85625	804.85625	Mobile-Fixed	Other Public Service	7TAC89	7GTAC77	
	SIMPLEX	Base-Fixed-Mobile			7GTAC77D	
774.50625	804.50625	Mobile-Fixed	Mobile Repeater (<i>M03 Use Primary</i>)	7MOB88	7MOB79	
	SIMPLEX	Base-Fixed-Mobile			7MOB79D	
774.00625	804.00625	Mobile-Fixed	Law Enforcement	7LAW84	7LAW81	
	SIMPLEX	Base-Fixed-Mobile			7LAW81D	
774.35625	804.35625	Mobile-Fixed	Law Enforcement	7LAW85	7LAW82	
	SIMPLEX	Base-Fixed-Mobile			7LAW82D	
773.50625	803.50625	Mobile-Fixed	Fire	7FIR80	7FIRE83	
	SIMPLEX	Base-Fixed-Mobile			7FIRE83D	
773.85625	803.85625	Mobile-Fixed	Fire	7FIR81	7FIRE84	
	SIMPLEX	Base-Fixed-Mobile			7FIRE84D	
773.00625	803.00625	Mobile-Fixed	EMS	7EMS76	7MED86	
	SIMPLEX	Base-Fixed-Mobile			7MED86D	
773.35625	803.35625	Mobile-Fixed	EMS	7EMS77	7MED87	
	SIMPLEX	Base-Fixed-Mobile			7MED87D	
774.75625	804.75625	Mobile-Fixed	Mobile Data	7DAT87	7DATA89	90.531(a)(1)(i)
	SIMPLEX	Base-Fixed-Mobile			7DATA89D	

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RECEIVE	TRANSMIT					
MHz		FCC 800 MHz NPSPAC Band (<i>Post-Rebanding</i>)				
851.0125	806.0125	Mobile-Fixed	Any Public Safety Eligible	8CAL90	8CALL90	90.16
	SIMPLEX	Base-Fixed-Mobile		8CAL90D	8CALL90D	
851.5125	806.5125	Mobile-Fixed	Any Public Safety Eligible	8TAC91	8TAC91	90.16
	SIMPLEX	Base-Fixed-Mobile		8TAC91D	8TAC91D	
852.0125	807.0125	Mobile-Fixed	Any Public Safety Eligible	8TAC92	8TAC92	90.16
	SIMPLEX	Base-Fixed-Mobile		8TAC92D	8TAC92D	
852.5125	807.5125	Mobile-Fixed	Any Public Safety Eligible	8TAC93	8TAC93	90.16
	SIMPLEX	Base-Fixed-Mobile		8TAC93D	8TAC93D	
853.0125	808.0125	Mobile-Fixed	Any Public Safety Eligible	8TAC94	8TAC94	90.16
	SIMPLEX	Base-Fixed-Mobile		8TAC94D	8TAC94D	