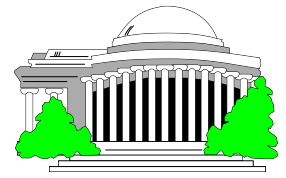


The Capitol Hill Monitor



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This issue is dedicated to two of our friends and colleagues whom we lost since the last inaugural issue, Dr. Willard Hardman and Larry Van Horn. They had been our friends, mentors and colleagues for decades. Please remember them and their families.

SCANNING THE 60th PRESIDENTIAL INAUGURATION

By [Henry Bright](#), [Chris Parris](#), [Ron Perron](#), [David Schoenberger](#), and edited by [Alan Henney](#) with contributions from Anonymous and others as noted.

America's 60th presidential inauguration for Donald Trump, the 47th president, will take place on Monday, January 20, 2025. The [Presidential Inaugural Committee \(PIC\) website](#) has official info on inaugural activities which begin on Saturday and end on Tuesday.

This is the 10th CHM inaugural scanning guide and our most detailed ever, thanks to many contributors. Please continue to share your discoveries on the [Scan-DC](#) email list or on the [CHM Facebook page](#).

Encryption use continues to increase, but don't assume these channels are entirely encrypted until you try to monitor them. Also, many federal agencies have been changing frequencies to conform with [NTIA band plans](#).

Analog channels have the CTCSS listed in brackets or the DCS code denoted with a "d." Network access codes (NAC) for P25 freqs start with a "\$" and are shown in hex. Trunked control channels are underlined. For details on common repeater inputs/offsets see this [RadioReference page](#).

FEDERAL AGENCIES

The [Joint Congressional Committee on Inaugural Ceremonies](#) (JCCIC) is responsible for the planning and execution of the swearing-in ceremonies and the inaugural luncheon at the U.S. Capitol. The JCCIC uses the three below DMR UHF encrypted trunked channels.



The U.S. Capitol Police operates on this digital VHF P25 trunked network. This is fully encrypted, but we list it because of the U.S. Capitol grounds' significance to the

overall event. Talkgroups in the 200 range are for interoperability with D.C. police, fire and EMS. MPD Citywide simulcasts on TG 202 and Fire/EMS ops is on TG 201.

USCPD (582-0101) [NAC \$580]:

169.575/162.25, 169.8375/162.6125, 170.1375/162.8, 170.375/163.1625, 170.575/163.6, 171.0/164.0125, 171.4125/164.325, 171.7875/164.6125, 172.3875/164.8125, 172.6875/165.0875, 172.9625/165.5375, 173.1625/165.775, 173.475/166.225 and 173.8125/166.425.



USCPD also has an in-town conventional repeater that can patch outside users into the trunked system. It is known as "Red 1" and operates on 169.725/165.225 with NAC \$1A3. Its talkaround, 169.725, is the "T/A LOS1" (talkaround, line-of-sight) channel. These too are entirely encrypted.

In addition, these repeater pairs are allocated to USCPD for use nationwide: 163.1/168.35 [Blue], 166.45/173.525 [Green] and 166.475/173.875 [Black]. These USCPD simplex channels are for use nationwide: 168.35 [Alpha], 173.525 [Bravo] and 173.875 [Charlie]. NACs used include \$293, \$1A3, \$1B3, \$1C3 and \$1D3.

Unconfirmed USCPD freqs reportedly used at past political conventions included 171.575 and 172.1875. See [Chris Parris' blog](#) for other "travel channels" to try for USCPD.

Other Capitol Hill Radio Users

167.8875 p	[None]	House Republican Pager
168.3125 p	[None]	House Democrat Pager
411.2625 p	[None]	Capitol PD Incident Notification
173.6375 r	[\$293]	Supreme Court Security
165.5125 -	[\$293]	Supreme Court Security (input?)
408.3000 r	[]	Nationwide Senate Repeater
406.3875 t	[DMR]	JCCIC/Cong. Guide Svc., CC11
408.5125 t	[DMR]	JCCIC/Cong. Guide Svc., CC12
409.8375 t	[DMR]	JCCIC/Cong. Guide Svc., CC13
406.9375 r	[77.0]	Capitol Audio/Visual
407.7875 r	[DMR]	Capitol Motor Pool, CC6
409.5500 r	[\$375]	Senate Parking/Emer Ops.
409.5125 r	[\$079]	Gov't Printing Office Security
406.5500 r	[DMR]	Natl Gallery of Art (CC9)

413.1, 418.075 and 418.55 are designated for use by Congress for low-power emergency or contingency

communications. In D.C., the Senate has 411.45 as a legislative clock paging channel with 413.175 for use outside of D.C.

The former Senate VHF paging channels and associated UHF links remain authorized but unused. They were 171.175/406.8 and 171.975/406.675. 413.15 is reserved for Senate paging outside of D.C.

NATIONAL PARK SERVICE

The U.S. Park Police switched to encrypted P25 conventional channels in the fall of 2018. The agency also has secure talkgroups on the IWN system (see page 5) for backup use. The NPS has nearly abandoned many radio channels although they remain programmed and authorized for use.

National Park Service/Capital Parks/U.S. Park Police

171.7750 r	[\$CF9]	Park PD Dispatch (164.475 in)
169.7875 r	[\$CF9]	Park PD Admin. (164.775 in)
169.7000 r	[\$CF9]	Park PD Sp Evt's (163.3625 in)
166.8500 s	[\$CF9]	Park PD Talkaround
168.4250 r	[\$293]	NCP East 1 (170.1 in)
171.7250 r	[\$293]	NCP East 2 (172.525 in)
172.4750 r	[\$4C5]	Mall Interpreters (171.675 in)
170.5125 r/s	[\$4C5]	Mall-Haines Pt. (164.575 in)
172.7500 s	[\$4C5]	Mall Ops Direct
172.4375 r	[\$4C5]	President's Park (164.8375 in)
171.6500 s	[\$293]	White House-Pres's Pk-Maint
168.3000 s	[\$4F9]	GW Pky.
169.7750 r	[\$4C5]	GW Pky-Arl Hse (163.3375 in)
173.8250 r	[\$4C5]	GW Pky-Ft Hunt (163.3375 in)
170.0500 r	[\$4C5]	GW Pky-Gr Falls (163.3375 in)
170.1000 s	[\$293]	Ft. Wash.-Direct (also input!)

FEDERAL HOMELAND SECURITY AGENCIES

All DHS radios are programmed with common standard interoperability (IO) zones. On VHF, the DHS **IO1 zone** has DHS-Net/DHS-Tac, NC 1, IR 1 to IR 9 followed by LE A, and LE 1 to LE 3. On UHF, the DHS **IO2 zone** has DHS-Rpt/DHS-Sim, NC 2, IR 10 to IR 18 followed by LE B, and LE 10 to LE 12.

DHS also has six more optional IO zones designated as IO3 through IO8. See pages 10-12 for details on those zones and the NC/IR/LE freqs.

DHS Common Channels

170.7875 r/s	[varies]	DHS-Net 165.8375/163.1125-in
168.5875 s	[\$001]	DHS-Tac "Nat Tac 2"
408.2875 r/s	[\$001]	DHS-Rpt (418.2875 in)
412.4375 s	[\$001]	DHS-Sim
166.4625 s	[varies]	DHS/Fed Common "Treasury 4"
172.6000 r	[\$293]	Common Law 1 (169.8 in)
169.7000 s	[\$293]	Common Law 2 (U.S. Park PD)

Secret Service

As a [National Special Security Event](#) (NSSE), the Secret Service assumes its role as the lead agency for the design and implementation of the operational inaugural security plan.

The Multi-Agency Command Center (MACC), operating at the Secret Service's Washington Field Office, will be staffed by representatives from 50 to 60 agencies, utilities and organizations.

While the traditional nationwide Secret Service "lettered" simplex channels remain unchanged, the Secret Service has undergone significant changes in recent years with regard to its repeater channels in Washington, D.C. The new freqs conform with [NTIA band plans](#). Please help us better determine usage and inputs!

165.7875 s	[\$001]	Baker
165.3750 s	[\$001]	Charlie
165.2125 s	[\$001]	Mike
164.8875 s	[\$001]	Oscar
164.4000 s	[\$001]	Papa
164.6500 s	[\$001]	Tango
162.6875 s	[\$001]	Yankee
167.0125 r/s	[\$001]	VTAC (VPOTUS) (p/w 165.6375)
167.0375 s	[\$001]	PTAC (POTUS)
173.4125 s	[\$001]	
164.1750 p	[None]	White House Notification Network
165.6875 r	[\$001]	Washington Field Office



Secret Service radios are pre-programmed with around 100 simplex channels intended for use outside the United States. A few of these channels have been used domestically as needed. These range from 160.2 to 173.9. All are P25 digital with NAC \$001. Those previously noted in use domestically include 163.325, 163.4875, 164.9875, 166.1125, 166.3125, 166.4 and 168.225.

Also used occasionally in D.C. are the New York/Newark field office freqs: 164.1, 165.5125, 171.3875 and 172.225. Secret Service radios also have White House Communications Agency freqs (see pages 7-8).

The Secret Service also has channels reserved for use by the *Candidate Nominee Operations Section* (CNOS). They are/were *CNOS1* to *CNOS6*: 168.2375, 168.5875, 170.0875, 172.0625, 166.0 and 167.1, respectively. They too have been used at past events, although we do not know if they are still valid. *CNOS3* is now reported to be 163.1125.

In his blog, [Chris Parris](#) provides a helpful list of former and current Secret Service/White House Communications Agency channels. Although we have no current confirmation, the UHF freqs he lists remain authorized and could be deployed for special purposes.

The Secret Service shares several nationwide repeater allocations with FEMA's Urban Search & Rescue (USAR). They include 406.65, 406.675, 406.7, 406.75, 406.8, 407.8, 407.85, 407.875, 407.9, 407.925 and 409.15 with simplex on 414.675.

The Secret Service Uniformed Division protects the White House and selected federal and foreign facilities in the Washington area and will also help provide security at presidential events. See the [December 2004 CHM](#) for details and for a complete list of the former freqs used in past years.

The new Secret Service repeater channels in Washington, D.C. appear to be 169.9375, 170.4375/163.3125, 172.725, 172.7625 with \$302 (White House); 170.2, 172.0625 and 173.425/165.575 all \$311 (Foreign Missions); 170.75, 406.675, 407.85 and 410.6875 all \$401; 406.7, 406.7375, 406.8 and 406.8375 with \$402, and 170.9875 with \$611 and 171.15 "SOD White House."

In years past, ICE has provided pre-event planning, perimeter security and response capabilities along with aerial assets. During high-profile events, CBP helicopters, known as "Troy" on the aircraft band, typically hover near the Capitol over east/northeast Washington while any additional Troy helos patrol the entire region. The crews often communicate with each other on 136.375 while using 168.8375, typically encrypted, with their comm center.

Immigration & Customs Enfo/Customs & Border Prot

163.7250 r	[\$073]	ICE Wash Net 1 (162.825 in)
164.6750 r	[\$075]	ICE Wash Net 2 (162.85 in)
168.9250 r	[\$079]	ICE Wash Net 3-IAD (165.825 in)
172.5875 r	[\$077]	ICE Wash Net 4 (168.9375 in)
171.2500 r	[\$069]	ICE Nationwide RP (162.9125 in)
163.7250 s	[\$169]	ICE Nationwide Direct
163.7000 s	[\$169]	ICE Nationwide Tac 1
168.5875 s	[\$169]	ICE Nationwide Tac 2
163.1125 s	[\$169]	ICE Nationwide Tac 3
164.7875 s	[\$169]	ICE Nationwide Tac 4
173.9625 r	[????]	CBP DC area (162.8875 in)
165.2375 r	[\$301]	CBP DNet01 (166.4375 in)
169.4500 r	[\$301]	CBP DNet02-IAD (171.075 in)
165.4625 r	[\$301]	CBP DNet07-Philly (166.5875 in)
168.8375 s	[\$293]	CBP Air 1 (see note on Air 2-16)
136.2750 s	[None]	CBP/ICE Troy helos
136.3750 s	[None]	CBP/ICE Troy helos (main)
136.4750 s	[None]	CBP/ICE Troy helos
136.5250 s	[None]	CBP/ICE Troy helos
282.4250 s	[None]	CBP/ICE a/c "Blue 1" (main UHF)
308.3500 s	[None]	CBP/ICE a/c "Blue 2"
350.0250 s	[None]	CBP/ICE a/c "Blue 3" (Guardian)
376.0750 s	[None]	CBP/ICE a/c "Blue 4"

During the 2009 inauguration, ICE and HMX-1 used 122.8 for coordination during the ceremonial train trip to Washington. CBP aircraft work closely with Coast Guard

helos and the military jets assigned to D.C. combat air patrols (CAP). See the CAP frequencies on page 7, especially 139.7. Chris Parris reports that CBP now has [16 VHF "Air" channels](#) that could be used. They are: 168.8375, 168.9625, 169.2625, 169.1625, 169.3875, 163.45, 166.8875, 166.7875, 163.475, 164.975, 169.4125, 166.7, 165.5375, 166.5875, 166.7375 and 168.0875. NAC 293 is common on the "air" freqs but he notes other NACs may be used like 360 on 163.45.

In addition to coordinating maritime security, the Coast Guard is tasked with airborne homeland security patrols and intercepting unauthorized aircraft entering restricted airspace. USCG helicopters use scrolling banner signs that instruct pilots to contact them on 121.5 (122.75 used for training), where they are given further instructions. Coast Guard helos assigned to D.C. are known as "Blackjack" because they originate from Air Station Atlantic City but operate from National Airport Hangar #7.

The USCG has more than [40 non-marine "CG" channels](#) available for use which may also be used by land-based response teams. On the water, the agency will establish a [security zone](#) during the inaugural period. The CG also uses the MIC groups on the D.C. trunked system (page 9).



Coast Guard

156.8000 s	[None]	Ch. 16 (Hailing, Distress)
156.8500 s	[None]	Ch. 17 (D.C. harbor patrol coord.)
157.0500 s	[None]	Ch. 21 (CG, "Blackjack" helos)
141.5500 s	[\$293]	CG-106 (CGAS Washington 1)
150.3000 s	[\$293]	CG-107 (CGAS Washington 2)
162.0500 s	[\$293]	CG-108
162.3250 s	[\$293]	CG-111
163.0500 s	[\$293]	CG-112
164.3000 s	[\$293]	CG-114
164.5500 s	[\$293]	CG-116 (Org. Cr. Drug Enfo. TF)
165.3125 s	[\$293]	CG-121 (CG Sta. Washington)
165.3375 r	[???	CGIS1 (171.3375 in)
412.9750 s	[\$293]	CG-409 (CG aircraft and cutters)
345.0000 s	[None]	Coast Guard a/c (primary)
237.9000 s	[None]	Coast Guard a/c (secondary)
326.1500 s	[None]	Coast Guard a/c (working main)
379.0500 s	[None]	Coast Guard a/c (working alt.)

Other Homeland Security elements participating will include those from the FPS, TSA and FEMA.

Federal Protective Service (FPS)

408.2000 r/s	[\$201]	FPS-1 (D.C. primary)
407.0000 r/s	[\$201]	FPS-2
410.8000 r/s	[\$201]	FPS-3 (D.C. primary)
406.2000 r/s	[\$201]	FPS-4
409.4000 r/s	[\$201]	FPS-5
413.9500 s	[\$293]	FPS simplex

Transportation Security Administration (TSA)

TSA personnel from across the country could be called to assist with screening but assigned local radios or radios from a cache.

Chris Parris says TSA has moved entirely to UHF radios at all airport locations. Here are the new frequencies, although there may be more yet to be found. 406.7375 with NAC 025 is used at National Airport.

406.7375, 406.925, 407.65, 407.7, 409.4875, 411.2875, 411.3375, 411.4375, 411.4875, 411.5375, 413.95, 414.6125, 414.6375, 414.675, 414.9125, 414.95, 415.7375, 416.7, 418.4875 and 419.6875

Federal Emergency Management Agency

As a designated *National Special Security Event*, FEMA has the primary responsibility for the coordination of contingency planning and will provide readiness, coordination, response and recovery capabilities.

FEMA, much like the Dept. of Health & Human Services, sponsors specialized teams that will stage during the inauguration. FEMA has a standard set of channels for use nationwide and others specifically intended for the National Capital Region (NCR).



FEMA

The National Interagency Fire Center (NIFC) has provided FEMA/DHHS with radios during large-scale disasters and special events. These radios come from the agency's [National Interagency Incident Communications Division](#) (NIICD) in Boise, Idaho. The radios could be used for the inauguration. Frequencies are [here](#).

Mobile Emergency Resource Support (MERS) teams provide electronic communications support to local public safety agencies. The Fairfax and/or Montgomery *Urban Search And Rescue* (USAR) teams likely could be placed on "alert status" during the inauguration. They specialize in confined-space rescue. Both teams will likely use both their county and FEMA radios. NACs commonly used by FEMA include \$312 and \$421 while NDMS uses \$447 among others. WMD/CST teams may use the MERS channels with different NACs as well.

406.2625 s/r [varies] FEMA
 406.4500 s/r [varies] NCR 1-4, DC Main
 406.4625 s/r [varies] FEMA
 406.8625 s/r [varies] FEMA 9/10 now
 407.0625 s/r [varies] FEMA
 407.1250 r [varies] DMAT
 407.2625 s/r [varies] FEMA 11/12
 407.4500 s/r [varies] NCR 11/12, FEMA, MERS 11/12
 407.4625 s/r [varies] FEMA 5/6
 407.6625 s/r [varies] FEMA 1 (linked nationwide)
 408.0625 s/r [varies] NCR 13/14, MERS 13/14

408.2625 s/r [varies] FEMA
 408.3000 s/r [varies] DHHS
 408.8625 s/r [varies] USAR 1/2
 409.0000 r [varies] DMAT/DHHS Nat'l Ch/NDMS 1/2
 409.0500 s/r [varies] DMAT NDMS 7/8
 409.0625 s/r [varies] FEMA
 409.0750 s/r [\$293] NDMS 10/11 and FEMA 8/9
 409.2625 s/r [varies] USAR 3/4
 409.4625 s/r [varies] NCR 15, MERS 15, FEMA 11/12
 409.6625 s/r [varies] USAR 5/6
 409.8625 s/r [varies] NCR 5-6 DC Alternate, USAR 7/8
 410.2625 s/r [varies] USAR 9/10
 410.4625 s/r [varies] FEMA
 410.6625 s/r [varies] USAR 11/12
 410.8625 s/r [varies] NCR 9/10, MERS 9/10
 412.8250 s [varies] MERS 1, USAR 13
 412.8375 s [varies] MERS 3, FEMA 13, NDMS 15
 412.8500 s [varies] MERS 2, USAR 14
 412.8625 s [varies] MERS 4, FEMA 14, NDMS 16
 412.8750 s [varies] MERS 5, FEMA 11, NDMS 13
 412.8875 s [varies] NCR/MERS7, FEMA13,NDMS15
 412.9000 s [varies] FEMA 12, MERS 6, NDMS 14
 412.9125 s [varies] NCR 8, MERS 8
 418.4625 s [141.3] NCR Common

Although under separate departments, FEMA and DHHS are closely related and share similar or identical channel plans as shown here. Many of these UHF channels are shared between the departments and other federal agencies. Multiple NACs on the same channel could suggest multiple agencies.

FEDERAL HEALTH & HUMAN SERVICES AGENCIES

DHHS operates, funds and/or oversees several medical teams that will be available during inaugural events. The [National Disaster Medical System](#) (NDMS) assists local agencies with the medical impacts of major peacetime disasters and provides support for military casualties returning home. FEMA actually manages the NDMS radios. Also, try the [NIH trunked system](#) for possible support activity in addition to those shown above.

FEDERAL JUSTICE DEPARTMENT AGENCIES

The Justice Department manages the [Integrated Wireless Network \(IWN\)](#) which is lightly used by various participating agencies including the ATF, DEA, FBI and U.S. Marshals Service. U.S. Park PD has several sets of encrypted TGs on IWN mostly for backup use.

Traffic on IWN is so light that you could easily program the 10 repeater channels for these D.C. sites, lock-out the control channels and scan them conventionally. The most notable user is the FBI police and encrypted DEA surveillance in the 356xx range.

IWN features multiple trunked sites in the 163-174 MHz band and is often encrypted but not entirely. The sites

listed here cover downtown D.C. and are worth checking as they had some use in prior events. See [Radio Reference](#) for more. The channel pairs have changed recently to better conform to the NTIA [VHF band plan](#).

IWN 717-86 (MPD 4D tower, 6001 Georgia Ave NW)
 171.6875 t [\$717] Alternate Ctrl. Ch. (166.8875 in)
 172.0125 t [\$717] Main Control Ch. (167.2375 in)
 172.2875 t [\$717] Alternate Ctrl. Ch. (167.3875 in)
 172.6375 t [\$717] Alternate Ctrl. Ch. (165.2875 in)

IWN 717-89 (Hoover FBI Bldg., 935 Pa Ave NW)
 168.8875 t [\$717] Alternate Ctrl. Ch. (167.6875 in)
 168.9750 t [\$717] Alternate Ctrl. Ch. (165.6 in)
 169.1875 t [\$717] Alternate Ctrl. Ch. (164.1875 in)
 170.7250 t [\$717] Main Control Ch. (166.0625 in)

IWN 717-83 (new/unknown D.C. site)
 168.8750 t [\$717] Alternate Ctrl. Ch. (165.2 in)
 173.8500 t [\$717] Main Control Ch. (167.075 in)

Federal Bureau of Investigation

During a designated *National Special Security Event* the FBI takes charge of intelligence, counter-terrorism, hostage rescue and investigation of incidents of terrorism or other major criminal activities associated with the event.



Since the 2017 inauguration, [news reports](#) surfaced that the Russians had successfully hacked the FBI's encrypted radio systems. Activity on the Bureau's radio channels had also declined in past years. One might also expect the agency to move frequencies to conform with the [NTIA band plans](#). What radio traffic that currently exists is light and encrypted.

We should anticipate changes beyond these old repeater pairs that have been used during previous inaugurations. The FBI and its police force also use the [IWN](#) system. See [Chris Parris' blog](#) for related info.

136.2750 s [None]	FBI/DHS aircraft (Limo, Ross)
167.4125 r/s [\$167]	
167.4875 r/s [\$167]	
167.5125 r/s [\$167]	
167.5625 r/s [\$167]	Bureau Common
167.6375 r/s [\$167]	
167.6875 r/s [\$167]	
167.7125 r/s [\$167]	
167.7375 r/s [\$167]	
168.9250 r/s [\$167]	
168.9875 r/s [\$167]	

In the UHF band in the Capital area, 408.275, 408.35, 409.4125, 412.5 and 413.7125 have the NAC of 167.

ATF agents will be on standby and may operate on [IWN](#)

or their own channels. ATF building security is mostly on IWN [Site #60](#).

Alcohol, Tobacco, Firearms and Explosives Bureau
 165.2875 r/s [\$650] Nets 1 to 10 (166.5375 in)

AGENCIES FROM OTHER FEDERAL DEPTS.

State Department

The State Department provides security for the Secretary of State and foreign official visitors, except heads of state, who are protected by the Secret Service.

407.6000 r/s [\$0F0]	Protection details
407.8625 r/s [\$0F0]	Building security "Side Door"
408.6000 r/s [\$0F0]	Protection details
409.5250 r/s [\$293]	?
409.7125 r/s [\$294]	Maintenance or Shuttle?
413.6375 s [\$0F0]	Agent-to-Agent 1

[Chris Parris](#) lists six more of the agent-to-agent channels as well as two oddball channels, 403.1 and 424.5, which he suspects are intended for use outside the U.S.

Energy Dept-National Nuclear Security Administration

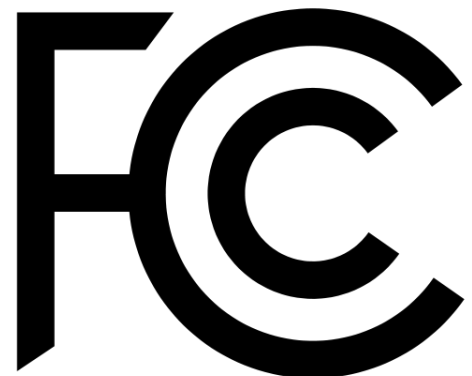
Expect the [Radiological Assistance Program \(RAP\)](#) and the [Nuclear Emergency Support Team \(NEST\)](#) to be available for any nuclear-related incident. The teams have four freqs that could be used nationwide and will likely be deployed for the inauguration:

164.6, 164.8625, 166.4875 and 172.55

Federal Communications Commission

167.0500 r/s [\$124?] FCC field enfo (172.8 in)

The FCC has been active during past events in Washington, often tracking sources of [interference](#) and pirate broadcasters. Anarchists and hackers in the past have threatened to interfere with radio communication.



Also of concern is the possibility that radio equipment could be used as a detonator. Because of this, radio jammers have been deployed in some motorcades and event sites. This further complicates frequency coordination and cell phone usage (see page 12).

NTIA Trunked System

The Smithsonian museums, National Zoo and the Kennedy Center are among the most active users of the multi-site [NTIA trunked system](#) in downtown Washington. This system is entirely encrypted.

Common-Use Channels

Worth monitoring are these common-use frequencies which are available for use on a shared basis by any federal agency: 163.1/168.35, 163.7125, 168.6125, 173.625/167.1375, 407.525/416.525, 409.05/418.05, 409.075/418.075, 409.3375/418.3375, 412.825, 412.8375, 412.85, 412.8625, 412.875, 412.8875, 412.9 and 412.9125. The older wide-band channels are: 408.4, 418.05, 418.075 and 418.575.

Agencies with P25 radios often have a zone with their normal channels in analog mode. So don't necessarily assume everything will be digital.

MILITARY AGENCIESJoint Task Force-National Capital Region (JTF-NCR)

The [JTF-NCR](#), with service members from all military branches, is responsible for coordinating all military ceremonial support on behalf of the [PIC](#) and the [JCCIC](#).



The JTF-NCR will coordinate the service members who will provide musical elements, color guards, salute batteries and honor cordons.

The [JNCR 380 MHz trunked system](#) consists of networked sites that link most facilities under the JTF-NCR command. Typically the same talkgroup will simulcast across multiple sites. Only those sites closest to downtown are shown here.

The inaugural task force's command and control nets have often operated on Belvoir's radio nets. See this [RadioReference](#) link for talkgroups.

001-0101 [NAC \$001] **Fort Belvoir, Va:** [381.675](#), [381.825](#), [381.975](#), [385.0125](#), [385.2125](#), [385.8875](#), [386.1875](#), [386.3375](#).

002-0101 [NAC \$002] **Mark Center, Alexandria, Va:** [380.0625](#), [380.325](#), [380.375](#), [380.625](#), [380.675](#), [380.825](#), [380.975](#), [381.0875](#).

002-0202 [NAC \$003] **Pentagon, Va:** [380.2125](#), [380.525](#), [380.775](#), [381.1375](#), [381.625](#), [381.775](#), [381.925](#).

006-0606 [NAC \$008] **Tysons Corner, Va:** [380.075](#), [380.425](#), [380.725](#).

006-0707 [NAC \$009] **Silver Hill, Md:** [380.275](#), [380.575](#), [380.875](#), [381.7375](#).

007-0202 [NAC \$005] **Adelphi Laboratory Center, Md:** [389.025](#), [389.575](#), [389.725](#).

00C-0101 [NAC \$00C] **Ft. McNair/Pentagon-East, Va:** [381.2875](#), [385.7125](#), [386.2125](#), [386.5625](#), [386.8125](#).

015-0404 [NAC \$00B] **JB Anacostia-Bolling, DC:** [386.0625](#), [386.9625](#), [388.2625](#), [388.5625](#), [388.8875](#), [389.0375](#), [389.1625](#), [389.2375](#), [389.4875](#), [389.8375](#).

015-0707 [NAC \$06A] **Walter Reed NMMC, Bethesda, Md:** [385.0875](#), [385.325](#), [385.725](#), [385.9375](#), [387.175](#), [387.475](#), [387.975](#).

Joint Base Andrews may be especially interesting as various VIPs arrive and depart. JBA public safety uses talkgroups in the 251xx range on the [JNCR network](#).

019-2727 [NAC \$06D] **JB Andrews, Md:** [385.175](#), [385.3125](#), [385.9](#), [385.9125](#), [386.0375](#), [386.2](#), [386.375](#), [386.5](#), [386.6375](#), [386.8](#).

This aviation section has been compiled mostly by Ron Perron. Also, see Ron's extensive military [call signs](#) and [aviation freqs](#).

Joint Base Andrews (KADW) Aviation Freqs (All AM)

118.400 / 349.000	Andrews Tower
121.800 / 275.800	Andrews Ground
128.000 / 269.000	Potomac Approach (seldom used)
118.675 / 323.175	Potomac Approach (seldom used)
125.650 / 348.725	Potomac Departure (east) (ADW)
118.950 / 257.200	Potomac Departure (west) (ADW)
127.550 / 285.475	Clearance Delivery
121.500 / 243.000	Emergency
139.450	121st CP
143.600	121st discrete
225.600	1st Helo Squadron (VIP transport)
234.800	121st FS DC ANG Ops
237.250	121st FS discrete
238.175	121st FS discrete
285.225	121st FS discrete
292.800	SAM aircraft discrete
293.600	1st Helo Squadron Ops
319.175	121st FS discrete
324.800	VR-53 CP
340.250	121st FS discrete
351.200	756th ARS CP
378.100	Andrews CP



Fort Belvoir/Davison Army Airfield (DAA)

Among other tasks, Fort Belvoir/Davison Army Airfield

(KDAA) provides "shuttle" services around the Military District of Washington for military VIPs.

- 118.850 Davison AAF GCA/P
- 119.950 Davison AAF RADAR
- 121.900 Ground Control
- 126.300 Tower
- 128.175 ATIS
- 139.400 / 34.10 Davison AAF Metro/PTD "Davey Ops"
- 229.400 Tower
- 241.000 Tower
- 121.900 / 351.800 Clearance Delivery/Ground Control

Pentagon Heliport (KJPN)

- 143.100 Tower
- 231.300 Tower
- 268.000 Wheelhouse Pentagon switchboard
- 287.600 "Foghorn Control"

This P25 trunked site (14C) is part of the Marine Corps system at the Pentagon which has been used to support the annual marathon. It is part of this [Navy/Marine trunked network](#), not the JNCR system.

14C-0403 [NAC \$140] **Joint Base Myers-Henderson Hall, Va:** [380.4875](#), [381.2](#), 381.3375, 381.6875, 381.8375.

This system (355) has been reportedly used at the Marine Corps Historic Half Marathon in Fredericksburg.

355-0101 [NAC \$350] **USMC Portable TRS:** 386.175, 386.325, 386.475, 386.625, 386.775, 386.025, 386.175, 386.325, 386.475, 386.625, 386.775, [386.925](#), [388.075](#), [388.225](#), [388.525](#).

The Marine Corps presidential and vice-presidential executive flight squadron is known to the military as *HMX-1*, to the Secret Service as *Nighthawk*, and to the public as *Marine 1* or *2*. HMX-1 helos and V-22 Ospreys are based at MCAF Quantico, Va., but often stage at the old Naval Air Station in Anacostia.



USMC Exec Flight Sq (HMX-1)-MCAF Quantico (KNYG)

- 263.150 Quantico ATIS
- 355.300 Quantico Base Ops
- 340.200 Quantico Ground
- 127.050 / 290.375 Quantico Approach
- 118.600 / 360.200 Quantico Tower
- 265.800 Quantico Common
- 375.000 Quantico Helipad
- 143.825 / 273.950 HMX-1 Discrete (FM & AM)
- 142.750 HMX-1 Discrete
- 276.400 HMX-1 Ops
- 318.900 HMX-1 Base
- 320.400 HMX-1 Maintenance
- 277.175 HMX-1 Control

Combat Air Patrols

- 135.525 "Guard Dog" (NCR CAP Coordination)
- 139.700 Huntress, Coast Guard Helos
- 228.900 Huntress
- 260.900 Huntress, CAPs
- 231.625 Refueling/boom
- 247.050 Refueling/boom
- 350.250 "Guard Dog" (NCR CAP Coordination)

Tactical aircraft radios in the 138-144 MHz band employ amplitude modulation (AM). The Coast Guard helos (see page 3) assist with combat air patrols. Also, note the discrete air freqs used by Homeland Security/CBP (page 3) and FBI (page 5).

Here are other important aviation frequencies — especially 134.35 — which are useful to identify what helicopters are flying over D.C. The FAA has issued a [flight advisory](#) for the inaugural period.

National Airport (Mount Vernon Sector)

- 118.300 / 306.300 Final East DCAFE
- 118.950 / 257.200 Departure West (loiterers over D.C.)
- 119.100 / 257.600 Reagan Tower
- 119.300 / 335.500 Approach ADWAR
- 119.850 / 322.300 Approach West QJAAY
- 134.350 / 257.600 Washington Helicopter Control
- 121.050 / 343.700 West 10,000' up to FL 230 FLUKY
- 121.500 / 243.000 Aircraft Emergency
- 124.000 / 279.575 Andrews for Arlington Flyovers
- 124.200 / 269.000 Approach East ENSUE
- 124.700 / 338.200 Final West DCAFW
- 125.650 / 348.725 Dep. East 9500' & below KRANT
- 126.550 / 269.500 Dep. East 10,000' thru FL190 DAILY
- 128.350 / 270.275 App. SE 19K ft down to 3K ft DEALE

Civil Air Patrol (CAP)

Don't confuse Combat Air Patrols with the Civil Air Patrol, both CAP! The Civil Air Patrol radio nets are typically activated to support the inauguration. Each repeater has a unique CTCSS and NAC.



- 148.1250 r [136.5/\$555] Downtown DC (143.55 in)
- 148.1375 r [varies] Tac/Airborne RP (143.625 in)
- 148.1500 r [136.5/\$555] Bailey's Crossroads (143.7 in)
- 149.2750 [141.3/\$585] Air 1/1P
- 150.5625 [151.4/\$5EA] Air 2/2P, Falcon Virgo Drills
- 139.8750 [173.8/\$6CA] Tac 1/1P
- 141.5750 [127.3/\$4F9] Command & Control 1/1P
- 141.0000 [131.8/\$526] Command & Control 2/2P
- 150.2250 [162.2/\$656] Guard 1/1P

White House Communications Agency (WHCA)

Another important military element that provides support to the inauguration, as well as the President, is the *White House Communications Agency* (WHCA). Agency

personnel routinely use Secret Service and DoD networks in addition to these freqs and others.

- 169.9250 s [\$001] Delta
- 172.4125 s [\$001] Hotel (was 167.9 MHz)
- 166.7000 s [\$001] November
- 166.2000 s [\$001] Naval Sup Facility-Camp David
- 166.5125 s [\$001] Sierra

On his [blog](#), Chris Parris lists 11 channels for a transportable WHCA UHF trunking system. Also, the channels formerly used for phone patches and paging, 407.85/415.7, 167.025/413.05 and 162.6875/171.2875, have been mostly inactive but are still authorized.

Military Intra-Squad Radios

The military set aside 14 freqs similar to the civilian FRS band, but the last two freqs were in error and channels 10 and 11 are not authorized for use by the Civil Air Patrol: Ch.1 396.875, Ch.2 397.125, Ch.3 397.175, Ch.4 397.375, Ch.5 397.425, Ch.6 397.475, Ch.7 397.55, Ch.8 397.95, Ch.9 398.05, Ch.10 399.425, Ch.11 399.475, Ch.12 399.725, Ch.13 399.925, Ch.14 399.975.

Joint Task Force-District of Columbia (JTF-DC)

The D.C. National Guard is often active in NSSE events, typically supporting USPP and MPD. The Guard has a [long history](#) of supporting inaugurations.

During previous inaugurations, the D.C. [National Guard](#) and airmen from other states helped provide traffic control, crowd management and logistical support. The National Guard is home to a wide variety of capabilities that can integrate with other agencies to enhance inaugural support capabilities.

The DCNG personnel use both the [JNCR 380 MHz trunked system](#) and the [DC P25 trunked system](#) in addition to the conventional repeater and simplex channels along with interoperability freqs listed on pages 10-12.

Other DCNG units like the [33rd Civil Support Team](#) assist civil authorities at a domestic chemical, biological, radiological, nuclear and high-yield explosive ([CBRNE](#)) or at a natural or man-made disaster incident site.

Selected DCNG Conventional Freqs

- 52.7500 s [150.0] DC Army Nat'l Guard Helo Ops
- 139.1500 s [] DC ANG 121st FS A-A Discrete
- 139.4500 s [] DC ANG 121st FS A-A Discrete
- 139.9000 s [] DC ANG 121st FS Sup. of Flying

- 143.1500 s [] DC ANG 121st FS A-A Discrete
- 143.6000 s [] DC ANG 121st FS A-A Discrete
- 234.8000 s [] DC ANG 121st FS Sup. of Flying
- 238.1750 s [] DC ANG 121st FS A-A Discrete
- 246.8000 s [] Army National Guard, Air to Air
- 255.7000 s [] Army National Guard, Air to Air
- 285.2250 s [] DC ANG 121st FS A-A Discrete
- 314.2500 s [] DC ANG 201st AS Ops/CP
- 319.1750 s [] DC ANG 121st FS A-A Discrete
- 340.0500 s [] DC ANG 121st FS A-A Discrete
- 409.3375 r [\$293] Downtown D.C (Fed Common)
- 412.8375 s [\$293] Talkaround (Fed Common Use)

DCNG ground troops could use most any unused simplex channel in the 380-400 MHz band, but these have been reported in use previously: 386.2625, 387.5125, 388.675, 389.325, 398.675 and 399.35 all with \$293.

With the help of "Spanner" via [Scan-DC](#), we know that the DCNG talkgroups are in the 400 and 2100 ranges on the [JNCR 380 MHz trunked system](#).

Since September 11, 2001, the [113th Wing](#) of the D.C. Air National Guard has provided 24-hour protective coverage over the NCR. The D.C. Air National Guard is the most active Aerospace Control Alert (ACA) unit in the country, responding to more alert events than all other ACA units combined. Since the attacks on 9/11, the unit has responded to more than 5,000 alerts.

The 113th personnel operate on the [JNCR 380 MHz trunked system](#) using talkgroups in the 255xx range.

During the 2017 inauguration, DCNG was also active on several talkgroups on the city's P25 network including 2165, 2167, 2179, 2181, 2183, 2185 and 2187.

See RR for info on the [Maryland National Guard](#). Talkgroups for the Virginia National Guard are found under the [Department of Military Affairs](#) on RR which also includes the [Virginia Defense Force with its own freqs](#).



LOCAL GOVERNMENT



As the host city, the D.C. government has its own [inaugural website](#) and will be a major player. The city's [P25 trunked system](#) is a mix of FDMA digital, commonly used by the fire/EMS radios, while the newer, more spectrum-efficient TDMA is used by police. Many talkgroups, but not all, are encrypted.

New for this inauguration is a fire/EMS zone, Zone F, which is now the special-event zone. Those talkgroups come from the range 110-114 and 706-709. Some are encrypted but not all. TG 106 is an encrypted fire/EMS patch to the U.S. Capitol PD trunk (on TG 201). Here are the key unencrypted fire/EMS channels to consider.

Selected Unencrypted D.C. Fire/EMS (FEMS) Groups:

101 t (hex 065)	0-1 Dispatch
102 t (hex 066)	0-2 Main
700 t (hex 2BC)	0-3 Incident 10 (main fireground)
728 t (hex 2D8)	0-11 EMS 1 (east tac)
729 t (hex 2D9)	0-12 EMS 2 (west tac)

The Regional Interoperability Zone (RIZ) is standard in most, if not all, D.C. radios as well as in radios from nearby jurisdictions. Some channels are left blank depending on the user. Talkgroups in this zone will be assigned to specific usages with or without external patches. In past inaugurations, some groups were patched with 851.5125, 159.15 and 168.875. See the mutual aid section on pages 10-12 for info.

The "DC RIZ" ZONE

0166 t (hex 0A6)	1 UCC 1 (Unified Comm. Ctr)
0167 t (hex 0A7)	2 UCC 2
2341 t (hex 925)	3 UCC 3
2343 t (hex 927)	4 UCC 4
3747 t (hex EA3)	5 MA 1 (Mutual Aid 1)
3748 t (hex EA4)	6 MA 2 (DC IO1/159.15 patch)
0621 t (hex 26D)	7 MAF 1 (Mutual Aid Fire 1)
0623 t (hex 26F)	8 MAF 2
2221 t (hex 8AD)	9 EMA 1 (Emer. Mgt. Agcy 1)
2223 t (hex 8AF)	10 EMA 2
2101 t (hex 835)	11 EXEC 1 (sr. city officials)
2103 t (hex 837)	12 EXEC 2 (city officials)
3751 t (hex EA7)	13 MA S1 (new-Mut Aid secure)
2353 t (hex 931)	14 Spare 1
2355 t (hex 933)	15 Spare 2
1039 t (hex 40F)	16 CW 1 (MPD Citywide)

This mutual aid "MA" zone consisting of only seven talkgroups is limited to police radios only.

MPD "MA" ZONE (MPD only)

3749 t (hex EA5)	1 DC MA 3
3750 t (hex EA6)	2 DC MA 4
2187 t (hex 88B)	3 DC National Guard
2177 t (hex 881)	4 DC Protective Service Police
1227 t (hex 4CB)	5 DC Housing Police
1533 t (hex 5FD)	6 WMATA 1S Dispatch
1535 t (hex 5FF)	7 WMATA 2S Tac

Other D.C. police talkgroups are encrypted with the exception of those shown in this newsletter. That includes 1312/1314 and 1321 which are designated for use with U.S. Capitol PD and Secret Service.

Here are other key unencrypted D.C. talkgroups beyond those previously listed. Expect many other talkgroups in use that are seldom used, such as those from DDOT, DHS, DPW, Health Dept. and HSEMA. These are in the 2000-2500



range.

0122 t (hex 07A)	DC Radio Cache
0624 t (hex 270)	MAF 3 (Mutual Aid Fire 3)
0627 t (hex 273)	MAF 4
0744 t (hex 2E8)	DC MIC-1 (marine coord)
0746 t (hex 2EA)	DC MIC-2 (marine coord)
0747 t (hex 2EB)	DC MIC-3 (marine coord)
1316 t (hex 524)	TF2 DC Clear (see page 11)
2099 t (hex 833)	Health Dept.
2117 t (hex 845)	Homeland Sec-Emer Mngt Agcy
2151 t (hex 867)	Human Services Dept.
2169 t (hex 879)	DCRA Inspectors
2225 t (hex 8B1)	TMC-Traffic Management Center
2305 t (hex 901)	Health Dept-Emg Healthcare Net
2505 t (hex 9C9)	For-Hire Vehicles Inspectors

The Red Cross has a slew of freqs licensed for use nationwide. The organization often aids people who require medical or other assistance during large events.

Those ARC freqs reported previously used in D.C. by [Dave Schoenberger](#) appear here. Also try 453.0125, 453.525, 464.025, 464.6, 464.625, 464.65, 464.7, 464.725 and 464.75.

American Red Cross

47.4200 s [varies]	American Red Cross
453.4250 r/s [d266]	American Red Cross
453.4750 r/s [146.2/d265]	American Red Cross
462.3750 r/s [88.5]	Mont. Co. Emer. Comm. Agency
462.4000 r/s [d226]	Mont. Co. Emer. Comm. Agency
464.7500 r/s [146.2]	American Red Cross, Arl. Co.

Because of their proximity to downtown D.C., worth mentioning are the Maryland FiRST, [Virginia STARS](#), [Arlington County P25](#) and [Fairfax County P25](#) trunked systems.

Henry Bright reports that Virginia State Police has received an STA ([WSGM941](#)) on 852.05, 852.7, 853.2875 and 853.55 for the inaugural period. This is authorized at the STARS sites in Arlington and Fairfax counties.

He says this appears to be a trunked system, despite the conventional license. 852.05 is a control channel and shows a STARS system ID of 19E with Site #20, NAC 190. This is the same NAC and site number that has been reported for VSP's transportable TRS site.

The Commonwealth has licensed 800 MHz transportable trunked sites that connect to the STARS network. Excluding mutual aid channels, these include 31 channels. According to the FCC license, [WQOG986](#), none are authorized for use in the D.C. area.

David Schoenberger had confirmed STARS talkgroup 4525 was in use during the 2013 inauguration by the Virginia Dept. of Military Affairs.

The Arlington County [coordination and OEM talkgroups](#) are good candidates for inaugural details. Also, try the alternate police and fire/EMS groups.

During the 2017 inauguration, Fairfax Co. had some inaugural activity on its [coordination talkgroups](#). The county's USAR team may also be staging on FD TGs.

Prince George's County police typically use the "SOD OP 3" talkgroup (95 dec/5F hex) for motorcades to/from Joint Base Andrews. The [16 special event talkgroups](#) would be obvious candidates for any inaugural activity.

The [Maryland FiRST](#) network has increased coverage in the D.C. suburbs with a [D.C. metro site](#). The MD-CALL, MD-TACs, MD-LAWs and MD-EVs (events) are good candidates for inaugural use. The state also has a transportable statewide trunk site that operates on FiRST but with a WACN of 'BF7CC' on 769.23125, 769.38125, 769.73125, 769.88125, 774.51875 and 774.86875.

INTEROPERABILITY / MUTUAL AID CHANNELS

Each jurisdiction in the D.C. area has a "cache" of spare 700/800 MHz radios for use during emergencies and special events. These radios are programmed with local jurisdictions' trunked and conventional channels as well as national and local interoperability (IO) channels.



The national IO channel assignments are shown in the [National Interoperability Field Operations Guide](#) (NIFOG).

More than 80 conventional channels have been nationally designated for IO/mutual aid use. In addition, the D.C. area has its own channels as noted here.

Repeated channels are given an "R" suffix while "D" is used to denote direct/simplex (ex. 8TAC91-D) or digital. "A" is analog. "C" indicates it is unencrypted. Unless otherwise noted, all analog channels in this section have a CTCSS of 156.7 Hz or carrier squelch.

U.S. Park PD, U.S. Capitol PD, MPD and Secret Service use 158.85 (encrypted) with VIP motorcades, typically by motorcycle officers escorting the President.

Locally Used IO Channels

- 123.0250 s Helicopter Air-to-Air Common
- 154.2800 s Fire Mutual Aid 2 (VFIRE21)
- 154.2950 s Fire Mutual Aid 1 (VFIRE23)
- 155.4750 s National Law Enfo Emer Freq (VLAW31)
- 158.8500 r [\$001] Motorcade Coordination (156.09 in)
- 462.4000 r D.C. Hospital Mutual Aid [CTCSS 77.0]

Several repeaters in UHF, 700 and 800 MHz (both National and RINS) will likely be activated for this event and could support units with radios that do not have access to local talkgroups.

National 800 MHz mutual aid "GX" chs.

- 851.0125 r/s National Calling Ch (8CALL90)
- 851.5125 r/s National Tac 1 (8TAC91)
- 852.0125 r/s National Tac 2 (8TAC92)
- 852.5125 r/s National Tac 3 (8TAC93)
- 853.0125 r/s National Tac 4 (8TAC94)

Some repeaters are patched with selected D.C. RIZ/MA talkgroups or 159.15 and 167.25. They are also used without a patch or simplex for specific purposes.

The D.C. P-MARS and Regional Inter-Service "RINS" channels were created by the Council of Governments (COG). RINS channels may also be used by any COG member for digital or analog intra-agency communication without the 156.7 Hz tone; typically in simplex mode. The 700 MHz RINS channels use a NAC of 293 with the exception of the "LA" group which is analog with a CTCSS of 156.7 Hz.



- 851.3625 r D.C. Area Police Mutual Aid (P-MARS)
- 853.5125 r/s RINS1R/D
- 851.8375 r/s RINS2R/D
- 852.2375 r/s RINS3R/D
- 852.4875 r/s RINS4R/D
- 851.8625 r/s RINS5R/D
- 852.7625 r/s RINS6R/D
- 769.23125 s RINS11D
- 769.38125 s RINS12D
- 769.73125 s RINS13D
- 769.88125 s RINS14D
- 774.51875 s RINS15D
- 774.86875 s RINS16D
- 769.00625 s RINS21LD
- 769.01875 s RINS22LD
- 769.03125 s RINS23LD
- 769.04375 s RINS24LD
- 774.93125 s RINS25LA
- 774.94375 s RINS26LA
- 774.95625 s RINS27LA
- 774.96875 s RINS28LA
- 774.98125 s RINS29LA

COG has licensed ([WRUK217](#)) and operates a 700 MHz nationwide deployable trunked system. It will likely be used. See [NIFOG](#) page 54 for info.

These IO channels are funded by the Justice Department and are known appropriately as the "25 Cities Project" channels. See this [MT blog for details](#). They are used only by law enforcement in the D.C. area. DC IO

LE2 was originally 168.875 but has been changed to 167.25 which is the federal law enfo "LE 2" IO channel.

D.C.'s "25 Cities" IO Channels

159.1500 r [\$653] DC IO LE1 (155.25 in)
167.2500 r [\$68F] DC IO LE2 (164.7125 in)

These channels are intended for joint incident response (IR) and law enforcement (LE) by federal and civilian agencies.

VHF Federal IR Chs. (Zone IO-3 in Justice Dept. radios)

169.5375 r/s [167.9] NC 1 (calling)/IR 5 (164.7125 in)
170.0125 r/s [167.9] IR 1/IR 6 (165.25 in)
170.4125 r/s [167.9] IR 2/IR 7 (165.9625 in)
170.6875 r/s [167.9] IR 3/IR 8 (166.575 in)
173.0375 r/s [167.9] IR 4/IR 9 (167.325 in)

VHF Federal LE Chs. (Zone IO-5 in Justice Dept. radio)

167.0875 s [167.9] LE A (calling channel)
167.0875 r [167.9] LE 1 (162.0875 in)
167.2500 r/s [\$68F] LE 2/LE 6 (162.2625 in)
167.7500 r/s [\$68F] LE 3/LE 7 (162.8375 in)
168.1125 r/s [\$68F] LE 4/LE 8 (163.2875 in)
168.4625 r/s [\$68F] LE 5/LE 9 (163.425 in)

UHF Federal IR Chs. (Zone IO-4 in Justice Dept. radios)

410.2375 r/s [167.9] NC 2 (calling)/IR 15 (419.2375 in)
410.4375 r/s [167.9] IR 10/IR 16 (419.4375 in)
410.6375 r/s [167.9] IR 11/IR 17 (419.6375 in)
410.8375 r/s [167.9] IR 12/IR 18 (419.8375 in)
413.1875 s [167.9] IR 13
413.2125 s [167.9] IR 14

UHF Federal LE Chs. (Zone IO-6 in Justice Dept. radio)

414.0375 s [167.9] LE B (calling channel)
409.9875 r/s [167.9] LE 10/LE 16 (418.9875 in)
410.1875 r/s [\$68F] LE 11/LE 17 (419.1875 in)
410.6125 r/s [\$68F] LE 12/LE 18 (419.6125 in)
414.0625 s [\$68F] LE 13
414.3125 s [\$68F] LE 14
414.3375 s [\$68F] LE 15

UHF Non-Federal National IO Repeater Chs.

453.2125 r/s [156.7] UCALL40/D (calling channel)
453.4625 r/s [156.7] UTAC41/D
453.7125 r/s [156.7] UTAC42/D
453.8625 r/s [156.7] UTAC43/D

Forty 700 MHz frequency pairs have been designated as national IO channels. See pages 45-53 of the [NIFOG](#) for the frequencies. The below freqs are programmed in D.C. regional radios. They do not include all of the 700 MHz IO channels.

MA71 700 IO NAT50 (general public safety)

769.24375 r/s [\$293] 7CALL50R/D
769.14375 r/s [\$293] 7TAC51R/D
769.64375 r/s [\$293] 7TAC52R/D

770.14375 r/s [\$293] 7TAC53R/D
770.64375 r/s [\$293] 7TAC54R/D
769.74375 r/s [\$293] 7TAC55R/D
770.24375 r/s [\$293] 7TAC56R/D
770.99375 r/s [\$293] 7GTAC57R/D (other pub svc)
770.89375 r/s [\$293] 7MOB59 (mobile repeater)
774.61875 s [\$293] 7AG88D Air-Ground (LZ)

MA72 700 IO NAT70 (general public safety)

773.25625 r/s [\$293] 7CALL70R/D
773.10625 r/s [\$293] 7TAC71R/D *
773.60625 r/s [\$293] 7TAC72R/D *
774.10625 r/s [\$293] 7TAC73R/D *
774.60625 r/s [\$293] 7TAC74R/D *
773.75625 r/s [\$293] 7TAC75R/D *
774.25625 r/s [\$293] 7TAC76R/D *
774.85625 r/s [\$293] 7GTAC77R/D (other pub svc)
774.50625 r/s [\$293] 7MOB79 (mobile repeater)

* During the 2021 inauguration, D.C. [licensed](#) these six repeater channels for use at the Washington Monument.

Police radios in the D.C. area are programmed with two "task force" zones. The first zone features 16 700 MHz IO channels in simplex mode. Only the first four channels in the TF1 zone, below, are unencrypted. They are available to all regional law enforcers. The remaining 12 simplex channels in the TF1 zone — 7TAC51 to 56 and 7TAC71 to 76 — are encrypted and intended for use by regional task forces and SWAT teams.

MA73 700 National Law Enfo/Task Force 1 "TF1" Zone

770.39375 r/s [\$293] 7LAW61R/D
770.49375 r/s [\$293] 7LAW62R/D
774.00625 r/s [\$293] 7LAW81R/D
774.35625 r/s [\$293] 7LAW82R/D

Also worth mentioning is the regional task force "TF2" zone. In that zone, D.C., Fairfax, Montgomery and Prince George's each contribute an unencrypted talkgroup from their respective systems along with two encrypted talkgroups, one AES and one DES. As noted on page 9, "TF2 DC CLEAR" is 1316. "TF2 DC SEC 1" and "TF2 DC SEC 2" are 1317 and 1318. The other jurisdictions' sets probably will be of limited use because of their tower locations.

MA74 700 NATFR (FIRE/MED)

769.89375 r/s [\$293] 7FIRE63R/D
769.99375 r/s [\$293] 7FIRE64R/D
769.39375 r/s [\$293] 7MED65R/D
769.49375 r/s [\$293] 7MED66R/D
773.50625 r/s [\$293] 7FIRE83R/D
773.85625 r/s [\$293] 7FIRE84R/D
773.00625 r/s [\$293] 7MED86R/D
773.35625 r/s [\$293] 7MED87R/D

700 MHz Low Power Itinerant Channels "USA WIDE"

769.05625 r/s [\$293/156.7] 7-US-01/D

769.06875 r/s [\$293/156.7] 7-US-02/D
 774.99375 r/s [\$293/156.7] 7-US-03/D

TRANSPORTATION

The inaugural [joint transportation plan](#) is now online!

The new Washington Metropolitan Area Transit Authority (WMATA) P25 system is on the air but not expected to be used for the inauguration. In the meantime, WMATA remains on its Motorola trunked system. See [RadioReference](#) for info.

WMATA has encrypted all police traffic on the old system and has yet to transition to the new WMATA P25 network. WMATA police have two encrypted channels on the DC P25 network (page 9).



Amtrak and Union Station

160.2900 r	[114.8]	Ch.1 Yardmaster (161.37 in)
160.3500 r	[114.8]	Ch.2 Train Maint (161.145 in)
160.4400 r	[114.8]	Ch.3 Station Svcs (161.445 in)
160.6350 r	[151.4]	Amtrak
160.9200 s	[None]	Amtrak Road, Northeast Corridor
160.9950 r	[d023]	Amtrak Engineering
161.2950 r	[192.8]	Amtrak PD (160.665/160.365 in)
161.2050 s	[146.2]	Amtrak Police (car to car)
173.3750 s	[146.2/203.5]	Amtrak Police CID/PTL
464.5750 r	[d346]	Shops - Security Primary
464.5250 r	[d311]	Shops - Security Alternate
464.9250 s	[d311]	Shops - Security Alternate

See [David Schoenberger's website](#) for Union Station.

Metropolitan Washington Airports Authority (MWAA)

MWAA is the authority that runs Reagan and Dulles airports. MWAA is on this [P25 trunked system](#).

NEWS MEDIA

These frequencies are those commonly used by D.C. news crews when they use radio. Louis Libin's company ([broad-comm.com](#)) is coordinating these frequency bands used by the broadcasters and his company has filed an STA ([WY9XJE](#)) for numerous additional freqs for use by them.

Many are from the UHF business band but some are unused TV channels. Important related info is summarized in [this Scan-DC post](#). The STA includes 31 pairs between 451/456.3 and 452/457.5 and 61 pairs between 461/466.025 and 463/468.3.

During previous inaugurations, a media coordination repeater was used. In 2013 it operated on 450.95 and on

500.625 in 2017. We do not expect one this time.

Several outlets have dismantled their radio networks and are rebuilding now to support the inauguration. ABC, NBC and CNN also use DMR systems, and there are likely others we have yet to discover.

One news helicopter, *Chopper 1*, provides video to WTTG, WJLA and WUSA. WRC has its own helicopter, *News 1*.



Local TV and Radio Stations

WRC NBC4- [d331/d306] 153.05-Desk/Helo; 450.45-Ch.1 Eng; 455.15-Ch.3 IFB (see NBC for Chs.2/4-6)

WTTG Fox5- [88.5/CSQ] 161.73-Desk/Eng/Helo.

WJLA ABC7- [d311] 450.1125r/s-Chs.1/3 Desk; 450.2625r/s-Chs.2/4 Eng./Helo; 455.55-Ch.5 Bldg. Ops.

WUSA CBS9- [141.3] 450.75-Ch.1 alt; 450.2125-Ch.2 alt; 450.0875-Ch.3 Eng./Helo.; 450.1875r-Ch.4 Desk

WMAL 105.9- [82.5/CSQ] 450.2375, 450.65, 455.2375

WTOP 103.5- [141.3/CSQ] 450.35, 455.65. Also 502.2, 502.225, 502.25, 502.275, 502.3 and 502.325 WTOP-OBO 2-way radios.

Television Networks

Pool coverage for the west front swearing-in will be provided by NBC. CBS (with BSI) will be the pooler for the parade route and ABC will provide pool coverage from the reviewing stand at the White House.

ABC- 450.590625/455.584375 DMR, [136.5] 450.4125-IFB, 450.5875/455.5875, 450.65, 450.7875/455.7875, 450.85-IFB, 450.9625/455.9625, 455.0875-IFB, 455.25, 455.35, 455.5375, 455.7, 455.8125, DMR-461.8875r studio guards/maint.

CBS- [107.2/CSQ] 450.05, 450.15, 450.2875/455.2875, 450.4875/455.4875, 450.5125/455.5125, 450.6125-IFB/455.6125, 450.7125, 450.75, 450.8-IFB/455.8, 455.0375, 455.2625.

NBC- [d331/d306/82.5] 161.67-Desk; 450.55-Ch.2 IFB/455.55; 455.85-Ch.4 IFB; 450.3125-Ch.5, 455.3125-Ch.6, 450.5375/455.5375, 450.5625, 450.6625, 450.7625, 450.8625 and 455.3625. Also see WRC.

Cable Networks

CNN- DMR [network](#) on 452.7, 462.275 and 464.9625. CNN will also need analog channels such as 450.1875,

450.675, 450.775 and 450.8875 that were used previously.

C-SPAN- [d165] 450.5625/455.5625.

Fox News– The Fox Washington Bureau holds a license ([WPLR211](#)) for four repeater and four simplex channels which we have yet to confirm in use. They are: 461.025r, 461.05r, 461.075, 461.1, 461.125, 461.15, 464.5r and 464.55r.

Another Fox News license ([WRFK249](#)) is for 451.6125/456.6125, 451.7125, 452.2875/457.2875, 461.575r, 462.3r, 463.35r and 463.85r. Fox techs had used an [expired license](#) for 495.4375r and 495.4625r [both d243] in years past.

Other Media

ABC Radio– 450.65, 450.85, 455.35 and 455.7.

VOA- 412.2125, 412.2375, 412.775, 412.8125. See [Chris Parris' blog](#) for other USIA/VOA channels.

Washington Post- The *Post* is licensed ([WRDT227](#)) on 451.6875, 452.0875/457.0875 and 462.2625/467.2625 (use unknown). In previous years, the *Post* had a city-wide repeater on 860.1875 [d054] and used 855.7625 [d054] within the 15th Street complex and at the Springfield plant. 853.1375 was licensed as well.

Westwood One– 450.2375/455.2375.

PRESIDENTIAL INAUGURAL COMMITTEE (PIC) AND INAUGURAL EVENT SITES

For official inaugural events, see the [60th Presidential Inaugural Committee \(PIC\)](#) website. To support the events, [BearCom](#) filed an STA ([WSGL580](#)) for 26 DMR trunked frequency pairs between 451.5 and 452.7375. Related info is summarized in [this Scan-DC post](#).



Sites used in past inaugurations for sanctioned events included the Walter E. Washington Convention Center, D.C. Armory, Union Station, various hotels, Washington National Cathedral and sites along the parade route such as the Canadian Embassy and the old Newseum.

See David Schoenberger's [website](#) for info on each venue. In previous inaugurations, several buildings were designated for use as emergency shelters. Freqs

for many of these facilities are on his website as well. In addition, his superb listing of verified frequencies for downtown D.C. includes more than 60 hotels!



MONITORING PROTESTER/ACTIVIST COMMS

Despite the popularity of smartphones and apps, cellular networks are at times still overwhelmed.

Organized protest groups continue to use various frequencies associated with [FRS](#), [GMRS](#), [MURS](#), [itinerant channels](#) and the [Cheap Chinese Radios](#) including these [Baofeng radio presets](#).

Activists have also used local 2-meter and 440 MHz ham and GMRS repeaters active in the area even if they are not licensed.

They may even use the radios right out of the box on default frequencies without reprogramming them! See this [RadioReference link](#), this [wiki page](#) and this [extensive research](#) posted on HF Underground.

This [website](#) features frequency lists for militia and survivalist groups.

Some groups also make use of Zello or [mesh network apps](#) for smartphones which do not rely on the cellular network. [Meshtastic](#) is one of the most predominant.

This [audio file](#) is from the April 16, 2000, IMF/World Bank protest which shows just how organized demonstrators can be using FRS radios.

CHM GET-TOGETHER COMING FEB. 2!

The next CHM GET-TOGETHER is Sunday, February 2, 2025 from 2 to 4 p.m. at the College Park Ledos at 4509 Knox Rd.

No need to RSVP. EVERYONE IS WELCOME.

Please bring \$cash\$ for bill/tip.

The Capitol Hill Monitor
c/o Alan Henney
6912 Prince George's Avenue
Takoma Park, MD 20912-5414

This is the 2025 CHM Inauguration Edition!

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The *Capitol Hill Monitor* newsletter has converted to electronic distribution. But “snail mail” distribution will continue for the time being for those who paid for it.

The online version is identical and is available for free. Please subscribe on the [CHM website](#). When the next issue is available, you will receive an email with a link and a list of topics for that issue.
