

Following is a list of other emergency radio frequencies you may need at one time or another:

- 163.5125 —Military national disaster preparedness frequency
- 163.4875 —National Guard emergency communications frequency
- 156.80 —International maritime distress channel
- 156.75 —International maritime weather alerts
- 155.475 —Emergency communications for police
- 155.160 —Used by various agencies during search and rescue operations
- 154.295 —Used by 're' ghters during emergencies
- 154.28 —Used by 're' ghters during emergencies
- 154.265 —Used by 're' ghters during emergencies
- 138.225 —Disaster relief channel used by FEMA
- 121.50 —International frequency for aeronautical emergencies
- 47.42 —Nationwide Red Cross channel during humanitarian aid missions
- 39.46 —Inter-department emergency communications by police
- 34.90 —Nationwide National Guard frequency during emergencies

Nationwide Military Frequencies

40.5	FM	FM Guard —All Agencies & Services
41.5	FM	Army —FM Common
121.5	AM	VHF Guard —All Agencies & Services
123.025	AM	Helicopter Multicom
123.05	AM	Multicom
123.075	AM	Helicopter Multicom
123.1	AM	VHF Search & Rescue (SAR) Common
123.125	AM	NASA VHF Common
123.4	AM	Informal Air-To-Air
123.45	AM	Informal Air-To-Air
126.2	AM	Military Control Towers VHF Common
129.525	AM	Air Force - Special Air Missions VHF Common
130.65	AM	Air Force - Air Mobility Command VHF
136.275	AM	DEA/National Guard Counter-Narcotics
136.375	AM	Customs and Border Protection VHF Air "Company,,
138.3	AM	Air Force - VHF Common
139.7	AM	Air Force - NORAD VHF
148.125	AM	Air Force - NORAD VHF
148.125	FM	Civil Air Patrol
148.150	FM	Civil Air Patrol
156.800	FM	Coast Guard - Marine Channel 16
157.050	FM	Coast Guard - Marine Channel 21A
157.075	FM	Coast Guard - Marine Channel 81A

157.100	FM	Coast Guard - Marine Channel 22A
157.125	FM	Coast Guard - Marine Channel 82A
157.150	FM	Coast Guard - Marine Channel 23A
157.175	FM	Coast Guard - Marine Channel 83A
226.1	AM	USAF - A R-TO-A R
226.2	AM	Informal Air-To-Air [S ERRA ONE]
226.4	AM	Informal Air-To-Air [S ERRA TWO]
228.8	AM	Air Force - NORAD Common
230.5	AM	NASA UHF Operations
231.825	AM	USAF AWACS
232.5	AM	USAF AWACS
234.5	AM	Informal Air-To-Air [STRA GHT]
234.55	AM	Informal Air-To-Air
235.4	AM	NASA UHF Operations
236.6	AM	Military Control Towers UHF
237.9	AM	Coast Guard - Air Operations Secondary
238.9	AM	Aerial Refueling
239.8	AM	Air Force —Weather
241.0	AM	Army - Air Common
242.4	AM	Army & Army Guard - UHF Common
243.0	AM	UHF Guard - All Agencies and Services
246.7	AM	Informal Air-To-Air
246.8	AM	Informal Air-To-Air [CHEERLEADER]
246.9	AM	Informal Air-To-Air
251.9	AM	Search and Rescue (SAR)
252.1	AM	Air Force Reserve - Command Posts
252.525	AM	Informal Air-To-Air [TR PLE 25]
252.8	AM	Air Force - Air Mobility Command
254.475	AM	USAF AWACS
255.4	AM	FAA Flight Service Stations —UHF
271.5	AM	Air Force - Air Combat Command Air-To-Air
277.8	AM	Navy Fleet Tactical Common
282.0	AM	Coast Guard - Air Operations Common
282.425	AM	Customs and Border Protection Air and Marine Operations
282.7	AM	Aerial Refueling
282.8	AM	Search and Rescue (SAR) Common
288.2	AM	USAF AWACS
289.025	AM	Aerial Refueling Boom Comms
292.8	AM	Air Force - Special Air Missions Air-To-Air
299.5	AM	Informal Air-To-Air [CHEAP SU T]
300.6	AM	Informal Air-To-Air [REM NGTON]
303.0	AM	Informal Air-To-Air [W NCHESTER / TH RTY-TH RTY]
303.5	AM	Informal Air-To-Air [W NCHESTER 5]
305.6	AM	USAF AWACS
308.35	AM	Customs and Border Protection Air and Marine Operations
311.0	AM	Air Force - Air Combat Command (ACC) Command Posts
313.3	AM	USAF AWACS
313.9	AM	Control Towers UHF Common
317.95	AM	USAF AWACS
319.4	AM	Air Force - Air Mobility Command (AMC)
321.0	AM	Air Force - Air Combat Command (ACC) Command Posts

323.8	AM	Air Force - Airborne Command Post EAM Broadcasts
325.6	AM	USAF AWACS
326.15	AM	Coast Guard Air to Ground Primary
324.6	AM	Aerial Refueling
333.3	AM	Informal Air-To-Air [QUAD THREE]
333.35	AM	Informal Air-To-Air [QUAD THREE-FIVE]
333.55	AM	Informal Air-To-Air [FULL HOUSE]
335.5	AM	Informal Air-To-Air [FULL HOUSE]]
335.95	AM	USAF AWACS
340.2	AM	Navy Control Towers UHF
341.75	AM	USAF Bombers Common
342.5	AM	Air Force —Weather
343.725	AM	Aerial Refueling Boom Comms
345.0	AM	Coast Guard - Air Operations Primary
345.6	AM	Informal Air-To-Air [STRAIGHT]
345.65	AM	Informal Air-To-Air [STRAIGHT 5]
349.4	AM	Air Force - Air Mobility Command Common
350.025	AM	Customs and Border Protection Air and Marine Operations
351.0	AM	Informal Air-To-Air [HARDCUT]
351.2	AM	Air Force Reserve - Command Posts
352.6	AM	Aerial Refueling
357.0	AM	Informal Air-To-Air [MAGNUM]
360.2	AM	Navy Control Towers UHF
364.2	AM	Air Force - NORAD Air Intercept Command and Control
372.2	AM	Air Force - Dispatch Common
375.2	AM	Air Force —Weather
376.025	AM	Air Force - Air Mobility Command Common
376.075	AM	Customs and Border Protection Air and Marine Operations
379.05	AM	Coast Guard - Air to Ground Secondary
381.3	AM	Air Force Air Combat Command (ACC) Command Posts,,
384.1	AM	Air Force - NORAD Air Intercept Command Secondary
384.5	AM	Informal Air-To-Air [PJSTOL]
384.55	AM	Informal Air-To-Air [PJSTOL FIVE]
385.0	AM	Navy - Port Control Common
385.9	AM	Air Force Air Combat Command —Logistics
388.95	AM	USAF AWACS
390.15	AM	Aerial Refueling Common
399.95	AM	Informal Air-To-Air [PENTHOUSE]

Back in early 2008, the Coast Guard began using new narrow-band radios, capable of APCO P-25 digital mode as well as analog. When the new radios went on line, so did some new frequencies.

For many years, Coast Guard listeners were familiar with the "LANT" VHF FM land-mobile channels that some Coast Guard operations used. With the move to narrow-band radios some of these frequencies changed, and they are now referred to by "NET" numbers. Note that the NET numbers will have 100 added to them for APCO P-25 digital, so NET 1 would become NET 101 if they are digital.

Here is the most recent list of these new USCG NET channels:

NET 01 139.9750
NET 02 140.4750
NET 03 140.7250
NET 04 141.6125
NET 05 150.7250
NET 06 141.5500
NET 07 150.3000
NET 08 162.0500
NET 09 162.1250
NET 10 162.2500
NET 11 162.3250
NET 12 163.0500
NET 13 163.1375
NET 14 164.3000
NET 15 164.3125
NET 16 164.5500
NET 17 164.5625
NET 18 164.9000
NET 19 164.9125
NET 20 165.2625
NET 21 165.3125
NET 22 165.3250
NET 23 165.3375
NET 24 166.1875
NET 25 167.9000
NET 26 168.8625
NET 27 171.2375
NET 28 172.3125
NET 29 165.2750
NET 30 171.2125
NET 31 171.3125
NET 32 171.3375
NET 33 171.3500
NET 34 171.3625
NET 43 171.1500 (Heard in the Puget Sound area ID'd as NET 143 by CG 6521)
NET 50 172.0375 (Not Confirmed)
NET 51 165.4625 (Not Confirmed)

In addition to the above nationwide channels, some additional VHF channels have started to be seen in the northern border areas of the country. It's not yet known if these are part of the nationwide CG channel list or just used regionally. But give them a listen and see what comes up:

167.1125, N293 - Called "AG-1" in the Toledo, OH area
167.6250, N293 - AG-102 Heard in various areas of Michigan
173.1000, N293 - AG-109 Reported in the Buffalo, NY area
173.4750, N293 - Possible Coast Guard "A-G" activity heard in Buffalo, NY area
173.5375, N293 - AG-113 Reported in the Buffalo, NY area

Here are all the UHF Coast Guard allocations with the identified P-25 NET numbers:

406.5000
406.5625

406.5750
406.6000
406.8000
406.8125 - NET 414
406.9750
407.6250
407.9250
407.9750
408.4000
409.0000
409.1875
409.2000
409.3500
409.8250
410.0250
410.3750 - NET 401
411.3750
411.7875 - NET 402
411.8875 -
412.8625
412.9250 - NET 407
412.9500 - NET 408
412.9750 - NET 409
413.0000 - NET 410
413.0250 - NET 411
413.0375
413.0875
414.7625
415.6250
415.7750
415.8250
415.9250
416.2250 - NET 421
416.3875
416.4750
416.5500 - NET-422
416.5750
416.5875
416.6000
416.6375
416.7000
416.7125
416.8500
416.9250
416.9375
417.0000 - NET 423
418.3500
418.4375
418.4500
419.1250
419.6000

419.6500
419.8000
419.8250
419.8500
419.9750

The Coast Guard P-25 channels tend to use a NAC of N293. Encryption is used, some areas use it consistently, others not so much.

Officially the US Coast Guard moved its UHF aircraft operation frequencies at the beginning of 2006. This was done to move their frequencies out of the 380-400 MHz DoD Land Mobile band.

Here are the new USCG air frequencies:

237.9 MHz - Operations (secondary)
326.15 MHz - Air-to-Ground (primary)
345.0 MHz - Operations (primary)
379.05 MHz - Air-to-Ground (secondary)

However, don't take out the old Coast Guard UHF frequencies! It appears that some units are still using them for air-to-air tactical and training ops:

381.7 MHz
381.8 MHz
383.9 MHz

If you happen to be near a Coast Guard dock or near where Coast Guard cutters operate, be sure and keep your scanners near 'old' searching capabilities going. The CG cutters have a history of using anything and everything for on-board radios. Some use UHF business channels, some use FRS radios and some use oddball, non-standard channels for hand held radios on the boat. Here are a few that were found in a Coast Guard radio-programming template. There was nothing specified for CTCSS or DCS squelch tones. The frequencies listed are rather a strange mix:

1	430.5250
2	431.5250
3	432.7350
4	434.5250
5	436.7650
6	437.6250
7	438.5750
8	440.5625
9	440.5850
10	449.7125
11	450.5250
12	451.7625
13	455.5150
14	460.7750
15	465.5250
16	461.5250

In addition to the new P-25 NETs, the new radios also contain the new VHF federal interoperability frequencies that have been made available to all federal agencies. There are two groups of VHF federal interoperability channels available in the CG radios, and here they are:

VHF Law Enforcement (LE)

LE-A 167.0875 (simplex)

LE-1 167.0875

LE-2 167.2500

LE-3 167.7500

LE-4 168.1125

LE-5 168.4625

LE-6 167.2500 (simplex)

LE-7 167.7500 (simplex)

LE-8 168.1125 (simplex)

LE-9 168.4625 (simplex)

VHF Incident Response (IR)

IR-C 169.5375

IR-1 170.0125

IR-2 170.4125

IR-3 170.6875

IR-4 173.0375

IR-5 169.5375 (simplex)

IR-6 170.0125 (simplex)

IR-7 170.4125 (simplex)

IR-8 170.6875 (simplex)

IR-9 173.0375 (simplex)

US Marshals Service



In many areas, the USMS shares dispatching service through the regional FBI radio network. They also can maintain their own repeaters, as needed. Here are some frequency allocations for the Marshals Service:

162.7000

162.7125

162.7875

162.8250

163.0750

163.2000

164.6000

166.4625

167.4750

167.6750

168.8625

169.7000
169.7250
170.7500
170.8000
170.8500
170.8750
170.9250
171.2250

The Federal Courthouses all have a VHF repeater on-site. It has been determined there are 10 CSO [Court Security Officer] repeaters CSO 01 thru CSO 10. Each repeater has a different input:

167.6750, N293	USMS Court Security Common [simplex]
170.7375, N293	CSO 3, 8 and 9
170.7500, N293	CSO 1, 2 and 10
170.7500, N401	CSO 7
171.2625, N203	CSO 6
173.1125, N293	CSO 5
173.8000, N293	CSO 4

In addition to the trunked radio systems used at the Cape Kennedy launch complex, there are also quite number of conventional air band channels that are potentially used for SpaceX launches, as well as NASA and military launches. A couple of anonymous friends who have made the pilgrimage to watch the SpaceX launches compiled these frequencies to help keep informed while waiting for launches. If you are in the Florida Space Coast area and a space launch is scheduled, be sure and check these out:

030.3200	FM	Patrick AFB JOLLY Ops
032.3200	FM	Patrick AFB JOLLY Ops
032.6500	FM	Patrick AFB JOLLY Ops
046.6500	FM	NASA/DOD CAPE RADIO
118.6250	AM	Cape Canaveral AFS Tower
119.1750	AM	Patrick AFB ATIS VHF
120.9500	AM	SEALORD North
121.0500	AM	FAA Patrol Aircraft
121.5000	AM	VHF AIR Guard
123.1250	AM	NASA
123.2250	AM	Cape Canaveral Air Force Station-Weather
123.2500	AM	USAF Weather
124.3500	AM	Patrick AFB Ground VHF
125.9000	AM	NASA Eastern Test Range
126.2000	AM	Cape Canaveral AFS Tower
126.6500	AM	NASA Weather
128.5500	AM	NASA SLF Tower
133.7500	AM	Patrick AFB Tower VHF
133.8000	AM	Cape Canaveral Air Force Station
133.9500	AM	SEALORD South
134.6500	AM	SEALORD Jacksonville
138.2000	AM	NORAD HUNTRESS
138.3000	AM	Patrick AFB Command Post
138.4500	AM	NASA
138.4750	AM	Patrick AFB JOLLY Ops
139.1500	AM	NORAD HUNTRESS
139.3000	AM	USAF Pilot-To-Dispatcher
139.8250	AM	NORAD HUNTRESS

141.3000	AM	Eastern Test Range
143.1500	AM	Cape Canaveral AFS Tower
143.7250	AM	Cape Canaveral Air Force Station-Range Safety
150.3500	AM	Patrick AFB KING Ops
228.7000	AM	NORAD
239.0500	AM	Cape Canaveral AFS Tower
225.0500	AM	USAF Weather
230.5000	AM	NASA
233.6000	AM	NORAD
234.6000	Am	NORAD HUNTRESS
234.8000	AM	Florida Air National Guard (FANG)
235.4000	AM	NASA
235.9000	AM	NORAD HUNTRESS
238.4000	AM	NORAD HUNTRESS
238.7000	AM	NORAD
239.8000	AM	USAF Weather
241.0000	AM	Florida Air National Guard (FANG)
243.0000	AM	UHF AIR Guard
251.2500	AM	Florida Air National Guard (FANG)
251.9000	AM	Patrick AFB 920RQW
252.0000	AM	NORAD HUNTRESS
253.7000	AM	Florida Air National Guard (FANG)
254.2000	AM	NORAD HUNTRESS
255.4000	AM	NORAD HUNTRESS
255.5000	AM	Patrick AFB JOLLY Ops
257.5000	AM	Florida Air National Guard (FANG)
259.7000	AM	NASA
260.9000	AM	NORAD HUNTRESS
264.8000	AM	Cape Canaveral Air Force Station
265.4000	AM	NORAD HUNTRESS
266.3750	AM	NASA
267.5000	AM	SEALORD South
269.3750	AM	Patrick AFB Tower UHF
270.2000	AM	NORAD HUNTRESS
270.6000	AM	SEALORD Bristol
271.0000	AM	NORAD HUNTRESS
273.4000	AM	NORAD
273.5000	AM	Patrick AFB ATIS UHF
273.9000	AM	Florida Air National Guard (FANG)
274.0000	AM	NORAD HUNTRESS
277.6000	AM	NORAD HUNTRESS
278.0000	AM	NORAD HUNTRESS
278.4000	AM	NORAD
281.6000	AM	NORAD HUNTRESS
282.2000	AM	Patrick AFB JOLLY Ops
228.9000	AM	NORAD HUNTRESS
282.6000	AM	NORAD HUNTRESS
284.0000	AM	NASA SLF Tower
284.5000	AM	SEALORD North
288.3500	AM	NORAD HUNTRESS
288.4000	AM	NORAD HUNTRESS
289.9500	AM	USAF Weather
292.7000	AM	NORAD HUNTRESS
292.8000	AM	NORAD
293.6000	AM	NORAD HUNTRESS

294.6000	AM	NASA Eastern Test Range
296.8000	AM	NASA
298.2000	AM	Cape Canaveral Air Force Station-VARIETY
301.3000	AM	USAF Weather
301.5000	AM	NORAD HUNTRESS
308.5000	AM	USAF Pilot-To-Dispatcher
313.7000	AM	SEALORD North
314.2000	AM	Florida Air National Guard (FANG)
316.3000	AM	NORAD HUNTRESS
318.4000	AM	NORAD
318.6000	AM	SEALORD Discrete
318.6500	AM	USAF Weather
318.7000	AM	SEALORD North 2
320.5000	AM	SEALORD Bristol
320.6000	AM	NORAD HUNTRESS
321.0000	AM	Patrick AFM KING Ops
324.0000	AM	NORAD HUNTRESS
327.9000	AM	NORAD HUNTRESS
328.0000	AM	NORAD HUNTRESS
335.2000	AM	NORAD HUNTRESS
335.8000	AM	Patrick AFB Ground UHF
338.1000	AM	NORAD
339.7000	AM	SEALORD Discrete
342.5000	AM	USAF Weather
343.0000	AM	Florida Air National Guard (FANG)
343.5000	AM	USAF Weather
344.6000	AM	USAF Weather
349.4000	AM	Patrick AFB
349.8000	AM	SEALORD Warning Areas
349.6000	AM	NASA Eastern Test Range
364.2000	AM	NORAD
372.2000	AM	USAF Pilot-To-Dispatcher
372.8000	AM	Patrick AFB Tower UHF
375.2000	AM	USAF Weather
379.6000	AM	SEALORD Warning Areas
383.0000	AM	Patrick AFB Consolidated Command
384.1000	AM	NORAD HUNTRESS
385.3000	AM	SEALORD Warning Areas
386.0000	AM	NORAD HUNTRESS
393.0000	AM	Cape Canaveral AFS Tower

Immigration and Customs Enforcement (ICE) is an umbrella agency under the Department of Homeland Security. Within ICE are Homeland Security Investigations (HSI) and Enforcement and Removal Operations (ERO).

All ICE operations are using APCO P-25 digital mode with AES encryption. The different offices within ICE have their own encryption keys, as well as a common encryption key for all ICE agencies. It appears that these radio networks are not linked to a nationwide dispatch center. But they are apparently connected to regional and local area ICE offices. If an ICE unit needs to run a license plate or requires some other assistance, they do contact the CBP National Law Enforcement Communications Center (NLECC) in Orlando on the CBP radio channels. Here are some frequencies that are specifically allocated to Immigrations and Customs Enforcement (ICE) operations;

162.0500
162.6125
162.8250
162.9000
162.9250
163.1250
163.2250
163.6250
163.6750
164.1000
164.3000
164.3250
164.6000
164.7750
164.8625
164.9625
165.2375
165.3250
165.3375
165.4125
165.4375
165.4625
165.4875
165.5125
165.6375
165.6875
165.7375
165.7625
165.9500
165.9750
166.1250
166.2000
166.2250
166.2750
166.3000
166.3750
166.4375
166.4625
166.4875
166.5375
166.5625
166.5875
166.6000
166.6750
166.7375
166.8750
168.0000
169.5500
170.1000
170.2000
170.6250
171.5000
172.3500
173.5000
407.6500

407.7000
412.9250
414.8000
415.1000
415.7500
418.4000
418.7250
419.5750

CONVENTIONAL CHANNELS

Here are the nationwide ICE conventional channels that have been confirmed over the to the years;

162.9125	N069	ICE Nationwide Repeater – input
163.1125	N169	ICE Nationwide TAC 3
163.7000	N169	ICE Nationwide TAC 1
163.7250	N169	ICE Nationwide Direct
164.7875	N169	ICE Nationwide TAC 4
165.8375	100.0PL	DHS Common (analog)
165.8375	N001	DHS Common (P-25)
166.4625	103.5PL	Nationwide Federal Common (analog)
166.4625	N001	Nationwide Federal Common (P-25)
168.5875	N169	ICE Nationwide TAC 2
171.2500	N069	ICE Nationwide Repeater
407.7000	N169	ICE UHF TAC 1
414.8000	N169	ICE UHF TAC 2
414.8625	N169	ICE UHF TAC 3
416.7000	N169	ICE UHF TAC 4

REGIONAL NETWORKS

In addition to these assigned frequencies, ICE has regional “clusters” of VHF repeaters that are linked together. The systems are usually set up using “vote-scan”, where the subscriber radios in the field will automatically search out the nearest repeater sites as they move through the region. Vote scan systems can be spotted by watching for repeaters keying up briefly at regular intervals.

Let us look at some of these ICE regional systems. In 2014, ICE began to upgrade their older radio systems in Florida. These new ICE repeaters have been seen using a P-25 network access code (NAC) of N100, N200 or NF00. Here are some of the new repeater frequencies that appear to be associated with the ICE communications system:

164.2250, N200
164.9250, N200
166.7375, N200
167.3000, N200
167.8500, N200
169.1625, N100
169.6000, N100
169.9125, N100
170.3375, NF00
172.0625, N100
172.5625, N200
172.7625, N100

These frequencies have been heard along the western coast and Florida panhandle area:

164.9250, N200
165.8500, N169
171.3250, N200
171.6625, N200
171.7625, N200

The frequencies using the NAC of 200 seem to be all linked and used along the Florida panhandle and into Mississippi and Alabama, from listener reports.

Moving up to the northeast part of the country, including Connecticut, Massachusetts, New Jersey, and Pennsylvania;

163.6500, N305	Bolton, CT
163.6500, N385	Philadelphia, PA
163.6750, N319	Boston, MA (Logan Airport)
163.6750, N296	Manchester, NH
163.7000, N301	Providence, RI
163.7375, N382	Trenton, NJ
163.7500, N289	Boston, MA
163.7500, N300	Ledyard, CT
163.7750, N303	Mt. Washington Observatory, NH
165.7375, N291	Boston, MA
166.2750, N296	Greenfield, MA
167.5375, N297	Avon, CT
169.8000, N389	Pittsburgh, PA
170.7250, N388	Harrisburg, PA
172.7750, N294	Worcester, MA

Here is a list of suspected locations of ICE vote-scan repeaters in the Garden State. This network uses a common P-25 NAC for all the sites:

167.7250, N9C5	Trenton
167.7750, N9C5	Long Beach Island
170.3375, N9C5	Swedesboro
171.6875, N9C5	Newark
171.7500, N9C5	Morristown
171.9875, N9C5	Philadelphia
172.2125, N9C5	Atlantic City

In the Philadelphia, PA area, I believe there is an ICE vote-scan network operating. I do not have the exact location of the repeaters, but they are all operating with similar P-25 NACs:

162.8250, N383
162.9000, N383
163.7875, N382
170.1625, N382
171.1875, N385
172.2625, N384

Now let's move out to the west coast and the Los Angeles area, with some known ICE operations there:

163.7500, N109
163.8250, N111
165.9250, N112
168.8250, N104
168.8250, N108
168.8500, N110
168.9250, N115 - LAX Airport TBIT (Tom Bradley International Terminal)
168.9750, N106
170.6250, N114
170.6750, N113

In the Atlanta, Georgia area, I have found multiple regional repeaters that seem to be part of an ICE vote-scan network. I first stumbled on these during the Super Bowl game in Atlanta in 2019. These repeaters were busy during my visit to the Atlanta area, and were completely encrypted, and using the Network Access Codes (NAC) of NB10 and NB11. The P-25 radio identifications all appeared to be in the range previously identified as being used by ICE. The 162 MHz frequencies are likely the input channels to the repeaters:

162.2250, NB10
162.9250, NB11
166.4750, NB10

169.3750, NB10
169.7375, NB10
169.9125, NB10
170.1000, NB10
170.4375, NB10
170.9875, NB10
171.1875, NB10
171.5250, NB10
172.1125, NB10
173.7875, NB10

TRUNKED SYSTEMS

ICE has a VHF trunked system in the San Francisco Bay area and is planning for additional trunked systems in the future. The SF area P25 trunked system, identified as System 4D5, is shared by other DHS agencies as well. You can find out more about this system and frequencies on the Radio Reference site. It lists the system under Customs and Border Protection, but the system is managed by Immigration and Customs Enforcement.

The planned ICE trunked system for the Caribbean will be VHF P-25 and will also be shared with other DHS agencies, as well as other federal law enforcement agencies. This new trunked system will replace a mishmash of aging conventional repeaters that are not able to currently cover the U.S. territories in the area around Puerto Rico. These new frequencies should start coming online in the next couple of years as construction progresses.

Here are some confirmed VHF and UHF land mobile frequencies for the Federal Aviation Administration (FAA);

162.0250

162.0500

162.1375

162.2000

162.2500

162.2750

162.3000

162.3250

162.3375

162.3500

162.5000

162.6250

162.7625 Nationwide assignment

163.0000

164.0250	
164.0500	
164.7250	
164.8250	
165.3375	
165.4125	
165.4375	
165.5000	
165.5375	
165.6125	
165.6250	
165.6375	Nationwide assignment
165.6625	
165.6875	
165.7000	
165.7125	
165.7375	
165.7500	Nationwide assignment
165.7625	Nationwide assignment
166.0375	
166.0875	
166.1000	
166.1250	
166.1750	Nationwide assignment
166.2000	
166.2500	
166.3875	

167.1750	
167.8875	
167.9375	
169.0000	
169.2125	
169.2250	
169.2500	Nationwide assignment
169.2750	Nationwide assignment
169.3000	
169.3125	
169.3250	
169.3500	Nationwide assignment
169.3750	
169.5750	
169.6000	
170.1500	
170.2000	
170.4000	
170.5000	
170.7250	
171.0000	
171.2625	
171.4875	
171.7125	
171.9750	
172.0500	
172.1000	
172.1250	Nationwide assignment

172.1500	Nationwide assignment
172.1750	Nationwide assignment
172.1875	
172.2250	
172.3250	
172.7250	
172.8125	
172.8250	Nationwide assignment
172.8500	Nationwide assignment
172.8750	Nationwide assignment
172.9000	Nationwide assignment
172.9125	
172.9250	
172.9500	
172.9750	
173.0000	
173.0500	
173.0750	
173.1000	
173.1750	
173.4375	
173.5625	
173.9000	Nationwide assignment
173.9875	
406.2500	
406.4500	

406.5500

406.6000

406.7250

406.8000

406.8500

407.1750

407.2750

407.4250

407.4750

407.5000

407.5750

407.6250

407.8750

408.0000

408.0250

408.1500

408.1750

408.2500

408.4000

408.4250

408.4750

408.5250

408.6500

408.8125

408.8250

409.0250

409.1000

409.1250

409.1500

409.1750

409.2000

409.3000

409.4500

409.4750

409.4875

409.5500

409.5750

409.6000

409.8000

409.8250

409.8500

409.9750

410.0000

410.0250

410.1500

410.2000

410.2500

410.3000

410.4000

410.6000

410.6500

410.9000

411.1250

411.4500

411.5500

413.6000

414.7250

414.9750

415.4500

415.5500

415.6000

415.7250

415.8000

415.8500

416.1750

416.2750

416.4250

416.4750

416.5000

416.5750

416.6250

416.8750

417.0000

417.0250

417.1500

417.1750

417.2500

417.4000

417.4250

417.4750

417.5250

417.6500

417.8125

417.8250

418.0250

418.1000

418.1250

418.1500

418.1750

418.2000

418.3000

418.4500

418.4750

418.4875

418.5500

418.5750

418.6000

418.8000

418.8250

418.8500

418.9750

419.0000

419.0250

419.1500

419.2000

419.2500

419.3000

419.4000

419.6000

419.6500

419.9000

In addition to these land mobile frequencies, the FAA maintains a number of HF or shortwave radio systems for very long-range communications. These are not part of the air traffic control system for Oceanic communications, but for emergency FAA agency communications. All of these frequencies are in Kilohertz (KHz) and likely transmit using Lower-Side Band (LSB) or Upper-Side Band (USB):

3331.0

4055.0

4475.0

4625.0

5356.0

5860.0

6840.0

6870.0

7475.0

7485.0

7574.0

7611.0

7850.0

8125.0

8912.0

9114.0

9914.0

9915.0

9982.5

10461.0

10515.0

11090.0

11288.0

11637.0

12199.5

13312.0

13457.0

13630.0

13905.0

14627.5

15698.0

15851.0

16135.0

16348.0

17964.0

19410.0

20852.0

23331.5

24550.0

Within the FAA VHF assignments, there are groups of channels that are assigned to the FAA "C2" communications system. C2 refers to Command and Control and represents an update from the older FAA National Radio Communications System, or NARACS. Here are the FAA C2 channel assignments, and these can be P-25 digital or analog in some cases:

162.1375	N293	Channel 09 repeater out
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162.3000	N293	Channel 06 repeater in
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162.3375	N293	Channel 11 repeater in
----------	------	------------------------

163.9500	N293	Channel 02 repeater in
----------	------	------------------------

166.0375	N293	Channel 09 repeater in
----------	------	------------------------

166.1000	N293	Channel 06 repeater out
----------	------	-------------------------

166.1750	N293	Channel 12/14 simplex
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166.3875	N293	Channel 11 repeater out
----------	------	-------------------------

167.8875	N293	Channel 12 repeater in
----------	------	------------------------

167.9375	N293	Channel 10 repeater out
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169.2250	N293	Channel 07 repeater in
169.2500	N293	Channel 04 repeater in
169.2750	N293	Channel 05 repeater in
169.3125	N293	Channel 08 repeater in
169.3250	N293	Channel 01 repeater in
169.3500	N293	Channel 02 repeater in
169.3750	N293	Channel 03 repeater in
171.4875	N293	Channel 10 repeater in
171.7125	N293	Channel 12 repeater out
172.1250	N293	Channel 09 simplex
172.1750	N293	Channel 11/13 simplex
172.7375	N293	Channel 10 simplex
172.8250	N293	Channel 07 repeater out
172.8500	N293	Channel 04 repeater out
172.8750	N293	Channel 05 repeater out
172.9125	N293	Channel 08 repeater out
172.9250	N293	Channel 01 repeater out
172.9500	N293	Channel 02 repeater out
172.9750	N293	Channel 03 repeater out

FEMA can show up in nearly any federal frequency band, but their primary frequencies of choice these days is in the 400 MHz federal band. All communications are likely P25 encrypted. Here is what I have identified so far. List will be updated as new information is received.

406.2625	N421	FEMA 01/02
406.4500		
406.4625		
406.8625		National Disaster Medical System (NDMS)
407.0625	N421	FEMA 03/04
407.1250		NDMS
407.2625		
407.4500	N421	FEMA 11/12
407.4625		
407.6625	N421	FEMA 05/06
408.0625		
408.2625		
408.8625	N421	FEMA Urban Search and Rescue (USAR) 01
409.0000	N447	FEMA NDMS

409.0500	N447	FEMA NDMS
409.0625	N421	FEMA 07/08
409.0750		NDMS
409.2625		USAR
409.3375		
409.4625	N421	FEMA 11
409.6625		USAR
409.8625	N421	FEMA 05
410.2625		USAR
410.3375	N447	FEMA NDMS
410.4625	N421	FEMA 09/10
410.6625		FEMA Urban Search and Rescue (USAR)
410.8625	N421	FEMA 14
412.4375		
412.8250		
412.8375		
412.8500		
412.8625		
412.8750		
412.8875		
412.9000		
412.9125		
415.2625		
415.4625		
415.8625		
416.2625		
416.4500	N421	FEMA INPUT
416.4625		
416.6625		
417.2875		
418.0625	N421	FEMA 08 INPUT
418.3375		
418.4625	N421	FEMA 11 INPUT
418.8625	N421	FEMA 05 INPUT
419.2625		
419.4625	N421	FEMA 02 INPUT
419.6625	N421	
419.8625	N421	FEMA 14 INPUT

FEMA has also been observed handing out 900 MHz Spread spectrum DTR710 model radios for logistics.

Top 100 Military list - these frequencies can be active almost anywhere in the United States, and these frequencies should be monitored for activity. I will keep this list updated as suggestions or corrections come in:

40.5	FM	FM Guard —All Agencies & Services
41.5	FM	Army —FM Common
121.5	AM	VHF Guard —All Agencies & Services
123.025	AM	Helicopter Multicom
123.05	AM	Multicom
123.075	AM	Helicopter Multicom
123.1	AM	VHF Search & Rescue (SAR) Common

123.125	AM	NASA VHF Common
123.4	AM	Informal Air-To-Air
123.45	AM	Informal Air-To-Air
126.2	AM	Military Control Towers VHF Common
129.525	AM	Air Force - Special Air Missions VHF Common
130.65	AM	Air Force - Air Mobility Command VHF
136.275	AM	DEA/National Guard Counter-Narcotics
136.375	AM	Customs and Border Protection VHF Air "Company,"
138.3	AM	Air Force - VHF Common
139.7	AM	Air Force - NORAD VHF
148.125	AM	Air Force - NORAD VHF
148.125	FM	Civil Air Patrol
148.150	FM	Civil Air Patrol
156.800	FM	Coast Guard - Marine Channel 16
157.050	FM	Coast Guard - Marine Channel 21A
157.075	FM	Coast Guard - Marine Channel 81A
157.100	FM	Coast Guard - Marine Channel 22A
157.125	FM	Coast Guard - Marine Channel 82A
157.150	FM	Coast Guard - Marine Channel 23A
157.175	FM	Coast Guard - Marine Channel 83A
226.1	AM	USAF - AIR-TO-AIR
226.2	AM	Informal Air-To-Air [SIERRA ONE]
226.4	AM	Informal Air-To-Air [SIERRA TWO]
228.8	AM	Air Force - NORAD Common
230.5	AM	NASA UHF Operations
231.825	AM	USAF AWACS
232.5	AM	USAF AWACS
234.5	AM	Informal Air-To-Air [STRAIGHT]]
234.55	AM	Informal Air-To-Air
235.4	AM	NASA UHF Operations
236.6	AM	Military Control Towers UHF
237.9	AM	Coast Guard - Air Operations Secondary
238.9	AM	Aerial Refueling

239.8	AM	Air Force - Weather
241.0	AM	Army - Air Common
242.4	AM	Army & Army Guard - UHF Common
243.0	AM	UHF Guard - All Agencies and Services
246.7	AM	Informal Air-To-Air
246.8	AM	Informal Air-To-Air [CHEERLEADER]
246.9	AM	Informal Air-To-Air
251.9	AM	Search and Rescue (SAR)
252.1	AM	Air Force Reserve - Command Posts
252.525	AM	Informal Air-To-Air [TRIPLE 25]
252.8	AM	Air Force - Air Mobility Command
254.475	AM	USAF AWACS
255.4	AM	FAA Flight Service Stations - UHF
271.5	AM	Air Force - Air Combat Command Air-To-Air
277.8	AM	Navy Fleet Tactical Common
282.0	AM	Coast Guard - Air Operations Common
282.425	AM	Customs and Border Protection Air and Marine Operations
282.7	AM	Aerial Refueling
282.8	AM	Search and Rescue (SAR) Common
288.2	AM	USAF AWACS
289.025	AM	Aerial Refueling Boom Comms
292.8	AM	Air Force - Special Air Missions Air-To-Air
299.5	AM	Informal Air-To-Air [CHEAP SUBJECT]
300.6	AM	Informal Air-To-Air [REMIINGTON]
303.0	AM	Informal Air-To-Air [WINCHESTER / THIRTY-THIRTY]
303.5	AM	Informal Air-To-Air [WINCHESTER 5]
305.6	AM	USAF AWACS
308.35	AM	Customs and Border Protection Air and Marine Operations
311.0	AM	Air Force - Air Combat Command (ACC) Command Posts
313.3	AM	USAF AWACS
313.9	AM	Control Towers UHF Common
317.95	AM	USAF AWACS
319.4	AM	Air Force - Air Mobility Command (AMC)
321.0	AM	Air Force - Air Combat Command (ACC) Command Posts

323.8	AM	Air Force - Airborne Command Post EAM Broadcasts
325.6	AM	USAF AWACS
326.15	AM	Coast Guard Air to Ground Primary
324.6	AM	Aerial Refueling
333.3	AM	Informal Air-To-Air [QUAD THREE]
333.35	AM	Informal Air-To-Air [QUAD THREE-FIVE]
333.55	AM	Informal Air-To-Air [FULL HOUSE]
335.5	AM	Informal Air-To-Air [FULL HOUSE]]
335.95	AM	USAF AWACS
340.2	AM	Navy Control Towers UHF
341.75	AM	USAF Bombers Common
342.5	AM	Air Force - Weather
343.725	AM	Aerial Refueling Boom Comms
345.0	AM	Coast Guard - Air Operations Primary
345.6	AM	Informal Air-To-Air [STRAIGHT]
345.65	AM	Informal Air-To-Air [STRAIGHT 5]
349.4	AM	Air Force - Air Mobility Command Common
350.025	AM	Customs and Border Protection Air and Marine Operations
351.0	AM	Informal Air-To-Air [HARCUT]
351.2	AM	Air Force Reserve - Command Posts
352.6	AM	Aerial Refueling
357.0	AM	Informal Air-To-Air [MAGNUM]
360.2	AM	Navy Control Towers UHF
364.2	AM	Air Force - NORAD Air Intercept Command and Control
372.2	AM	Air Force - Dispatch Common
375.2	AM	Air Force - Weather
376.025	AM	Air Force - Air Mobility Command Common
376.075	AM	Customs and Border Protection Air and Marine Operations
379.05	AM	Coast Guard - Air to Ground Secondary
381.3	AM	Air Force Air Combat Command (ACC) Command Posts
384.1	AM	Air Force - NORAD Air Intercept Command Secondary
384.5	AM	Informal Air-To-Air [PISTOL]
384.55	AM	Informal Air-To-Air [PISTOL FIVE]

385.0	AM	Navy - Port Control Common
385.9	AM	Air Force Air Combat Command - Logistics
388.95	AM	USAF AWACS
390.15	AM	Aerial Refueling Common
399.95	AM	Informal Air-To-Air [PENTHOUSE]