# 700/800 MHz Interoperable Channels and Talkgroups

**700/800 MHz Nationwide Non-Federal Interoperability Channels**

Common Nationwide channels for use by all public safety agencies for emergency, disaster and mutual aid coordination. Use of the national non-federal interoperability channels should be coordinated as indicated in the Massachusetts Radio Interoperability Guide. These are non-trunked channels.

| **Name** | **Rx Freq** | **RX PL / NAC** | **Tx Freq** | **TX PL / NAC** | **Deviation / Mode** |
| --- | --- | --- | --- | --- | --- |
| 8CALL90 | 851.0125 | CSQ | 806.0125 | 156.7 | 4 kHz Analog |
| 8CALL90D | 851.0125 | CSQ | 851.0125 | 156.7 | 4 kHz Analog |
| 8TAC91 | 851.5125 | CSQ | 806.5125 | 156.7 | 4 kHz Analog |
| 8TAC91D | 851.5125 | CSQ | 851.5125 | 156.7 | 4 kHz Analog |
| 8TAC92 | 852.0125 | CSQ | 807.0125 | 156.7 | 4 kHz Analog |
| 8TAC92D | 852.0125 | CSQ | 852.0125 | 156.7 | 4 kHz Analog |
| 8TAC93 | 852.5125 | CSQ | 807.5125 | 156.7 | 4 kHz Analog |
| 8TAC93D | 852.5125 | CSQ | 852.5125 | 156.7 | 4 kHz Analog |
| 8TAC94 | 853.0125 | CSQ | 808.0125 | 156.7 | 4 kHz Analog |
| 8TAC94D | 853.0125 | CSQ | 853.0125 | 156.7 | 4 kHz Analog |
| 7CALL50 | 769.24375 | F7E | 799.24375 | 293 | 2.5 kHz P25 |
| 7CALL50D | 769.24375 | F7E | 769.24375 | 293 | 2.5 kHz P25 |
| 7TAC51 | 769.14375 | F7E | 799.14375 | 293 | 2.5 kHz P25 |
| 7TAC51D | 769.14375 | F7E | 769.14375 | 293 | 2.5 kHz P25 |
| 7TAC52 | 769.64375 | F7E | 799.64375 | 293 | 2.5 kHz P25 |
| 7TAC52D | 769.64375 | F7E | 769.64375 | 293 | 2.5 kHz P25 |
| 7TAC53 | 770.14375 | F7E | 800.14375 | 293 | 2.5 kHz P25 |
| 7TAC53D | 770.14375 | F7E | 770.14375 | 293 | 2.5 kHz P25 |
| 7TAC54 | 770.64375 | F7E | 800.64375 | 293 | 2.5 kHz P25 |
| 7TAC54D | 770.64375 | F7E | 770.64375 | 293 | 2.5 kHz P25 |
| 7TAC55 | 769.74375 | F7E | 799.74375 | 293 | 2.5 kHz P25 |
| 7TAC55D | 769.74375 | F7E | 769.74375 | 293 | 2.5 kHz P25 |
| 7TAC56 | 770.24375 | F7E | 800.24375 | 293 | 2.5 kHz P25 |
| 7TAC56D | 770.24375 | F7E | 770.24375 | 293 | 2.5 kHz P25 |
| 7GTAC57 | 770.99375 | F7E | 800.99375 | 293 | 2.5 kHz P25 |
| 7GTAC57D | 770.99375 | F7E | 770.99375 | 293 | 2.5 kHz P25 |
| 7AG58 | 769.13125 | F7E | 799.13125 | 293 | 2.5 kHz P25 |
| 7AG58D | 769.13125 | F7E | 769.13125 | 293 | 2.5 kHz P25 |
| 7MOB59 | 770.89375 | F7E | 800.89375 | 293 | 2.5 kHz P25 |
| 7MOB59D | 770.89375 | F7E | 770.89375 | 293 | 2.5 kHz P25 |
| 7AG60 | 769.63125 | F7E | 799.63125 | 293 | 2.5 kHz P25 |
| 7AG60D | 769.63125 | F7E | 769.63125 | 293 | 2.5 kHz P25 |
| 7LAW61 | 770.39375 | F7E | 800.39375 | 293 | 2.5 kHz P25 |
| 7LAW61D | 770.39375 | F7E | 770.39375 | 293 | 2.5 kHz P25 |
| 7LAW62 | 770.49375 | F7E | 800.49375 | 293 | 2.5 kHz P25 |
| 7LAW62D | 770.49375 | F7E | 770.49375 | 293 | 2.5 kHz P25 |
| 7FIRE63 | 769.89375 | F7E | 799.89375 | 293 | 2.5 kHz P25 |
| 7FIRE63D | 769.89375 | F7E | 769.89375 | 293 | 2.5 kHz P25 |
| 7FIRE64 | 769.99375 | F7E | 799.99375 | 293 | 2.5 kHz P25 |
| 7FIRE64D | 769.99375 | F7E | 769.99375 | 293 | 2.5 kHz P25 |
| 7MED65 | 769.39375 | F7E | 799.39375 | 293 | 2.5 kHz P25 |
| 7MED65D | 769.39375 | F7E | 769.39375 | 293 | 2.5 kHz P25 |
| 7MED66 | 769.49375 | F7E | 799.49375 | 293 | 2.5 kHz P25 |
| 7MED66D | 769.49375 | F7E | 769.49375 | 293 | 2.5 kHz P25 |
| 7AG67 | 770.13125 | F7E | 800.13125 | 293 | 2.5 kHz P25 |
| 7AG67D | 770.13125 | F7E | 770.13125 | 293 | 2.5 kHz P25 |
| 7AG68 | 770.63125 | F7E | 800.63125 | 293 | 2.5 kHz P25 |
| 7AG68D | 770.63125 | F7E | 770.63125 | 293 | 2.5 kHz P25 |
| 7DATA69 | 770.74375 | F7E | 800.74375 | 293 | 2.5 kHz P25 |
| 7DATA69D | 770.74375 | F7E | 770.74375 | 293 | 2.5 kHz P25 |
| 7CALL70 | 773.25625 | F7E | 803.25625 | 293 | 2.5 kHz P25 |
| 7CALL70D | 773.25625 | F7E | 773.25625 | 293 | 2.5 kHz P25 |
| 7TAC71 | 773.10625 | F7E | 803.10625 | 293 | 2.5 kHz P25 |
| 7TAC71D | 773.10625 | F7E | 773.10625 | 293 | 2.5 kHz P25 |
| 7TAC72 | 773.60625 | F7E | 803.60625 | 293 | 2.5 kHz P25 |
| 7TAC72D | 773.60625 | F7E | 773.60625 | 293 | 2.5 kHz P25 |
| 7TAC73 | 774.10625 | F7E | 804.10625 | 293 | 2.5 kHz P25 |
| 7TAC73D | 774.10625 | F7E | 774.10625 | 293 | 2.5 kHz P25 |
| 7TAC74 | 774.60625 | F7E | 804.60625 | 293 | 2.5 kHz P25 |
| 7TAC74D | 774.60625 | F7E | 774.60625 | 293 | 2.5 kHz P25 |
| 7TAC75 | 773.75625 | F7E | 803.75625 | 293 | 2.5 kHz P25 |
| 7TAC75D | 773.75625 | F7E | 773.75625 | 293 | 2.5 kHz P25 |
| 7TAC76 | 774.25625 | F7E | 804.25625 | 293 | 2.5 kHz P25 |
| 7TAC76D | 774.25625 | F7E | 774.25625 | 293 | 2.5 kHz P25 |
| 7GTAC77 | 774.85625 | F7E | 804.85625 | 293 | 2.5 kHz P25 |
| 7GTAC77D | 774.85625 | F7E | 774.85625 | 293 | 2.5 kHz P25 |
| 7AG78 | 773.11875 | F7E | 803.11875 | 293 | 2.5 kHz P25 |
| 7AG78D | 773.11875 | F7E | 773.11875 | 293 | 2.5 kHz P25 |
| 7MOB79 | 774.50625 | F7E | 804.50625 | 293 | 2.5 kHz P25 |
| 7MOB79D | 774.50625 | F7E | 774.50625 | 293 | 2.5 kHz P25 |
| 7AG80 | 773.61875 | F7E | 803.61875 | 293 | 2.5 kHz P25 |
| 7AG80D | 773.61875 | F7E | 773.61875 | 293 | 2.5 kHz P25 |
| 7LAW81 | 774.00625 | F7E | 804.00625 | 293 | 2.5 kHz P25 |
| 7LAW81D | 774.00625 | F7E | 774.00625 | 293 | 2.5 kHz P25 |
| 7LAW82 | 774.35625 | F7E | 804.35625 | 293 | 2.5 kHz P25 |
| 7LAW82D | 774.35625 | F7E | 774.35625 | 293 | 2.5 kHz P25 |
| 7FIRE83 | 773.50625 | F7E | 803.50625 | 293 | 2.5 kHz P25 |
| 7FIRE83D | 773.50625 | F7E | 773.50625 | 293 | 2.5 kHz P25 |
| 7FIRE84 | 773.85625 | F7E | 803.85625 | 293 | 2.5 kHz P25 |
| 7FIRE84D | 773.85625 | F7E | 773.85625 | 293 | 2.5 kHz P25 |
| 7AG85 | 774.11875 | F7E | 804.11875 | 293 | 2.5 kHz P25 |
| 7AG85D | 774.11875 | F7E | 774.11875 | 293 | 2.5 kHz P25 |
| 7MED86 | 773.00625 | F7E | 803.00625 | 293 | 2.5 kHz P25 |
| 7MED86D | 773.00625 | F7E | 773.00625 | 293 | 2.5 kHz P25 |
| 7MED87 | 773.35625 | F7E | 803.35625 | 293 | 2.5 kHz P25 |
| 7MED87D | 773.35625 | F7E | 773.35625 | 293 | 2.5 kHz P25 |
| 7AG88 | 774.61875 | F7E | 804.61875 | 293 | 2.5 kHz P25 |
| 7AG88D | 774.61875 | F7E | 774.61875 | 293 | 2.5 kHz P25 |
| 7DATA89 | 774.75625 | F7E | 804.75625 | 293 | 2.5 kHz P25 |
| 7DATA89D | 774.75625 | F7E | 774.75625 | 293 | 2.5 kHz P25 |

**Repeat/Direct on Nationwide Non-Federal Interoperability Channels**

Under normal conditions, operation on these channels should be in the direct mode. As indicated in the Massachusetts Radio Interoperability Guide, the Agency may request activation of tactical repeaters on certain national interoperability channels when wider coverage is necessary.

**Massachusetts Common Conventional Channels**

These are non-trunked channel that generally operate without the benefit of a repeater system. These channels are generally limited to short-range communications. These are shared channels with uses as noted:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Rx Freq** | **RX PL / NAC** | **Tx Freq** | **TX PL / NAC** | **Deviation / Mode** |
| COM DIR | 853.9750 | 141.3 | 853.9750 | 141.3 | 4 kHz Analog |
| LOC DIR | 853.9875 | 141.3 | 853.9875 | 141.3 | 4 kHz Analog |
| COM MOB 1 | 769.00625 | 141.3 | 769/799.00625 | 141.3 | 2.5 kHz Analog |
| LOC MOB 1 | 769.01875 | 141.3 | 769/799.01875 | 141.3 | 2.5 kHz Analog |
| COM TAC 1 | 774.93125 | 141.3 | 774.93125 | 141.3 | 2.5 kHz Analog |
| LOC TAC 1 | 774.94375 | 141.3 | 774.94375 | 141.3 | 2.5 kHz Analog |
| LAW TAC 1 | 774.95625 | 141.3 | 774.95625 | 141.3 | 2.5 kHz Analog |
| LAW TAC 2 | 774.96875 | 141.3 | 774.96875 | 141.3 | 2.5 kHz Analog |
| FIRE TAC 1 | 769.03125 | 141.3 | 769.03125 | 141.3 | 2.5 kHz Analog |
| FIRE TAC 2 | 769.04375 | 141.3 | 769.04375 | 141.3 | 2.5 kHz Analog |

COM – State Users LOC – Local Users

LAW – Law Enforcement ONLY FIRE – Fire ONLY

DIR – General Use MOB – Mobile Repeater Use

TAC – Tactical Use

**Shared Local Public Safety Talkgroups (LPS-1 to LPS-10)**

These channels are reserved for communications among state and local agencies using the State Police 700/800 MHz trunked system. Each is assigned by region. These channels are for interagency communications with State Police and other public safety agencies. Assignments are:

|  |  |  |  |
| --- | --- | --- | --- |
| **T/G Hex** | **T/G Decimal** | **T/G Name** | **Primary Area** |
| 8DF | 2271 | LPS-1 | Essex, Middlesex (except far NW), Norfolk, Suffolk Counties |
| 8E1 | 2273 | LPS-2 |
| 8E3 | 2275 | LPS-3 | Bristol, Plymouth Counties |
| 8E5 | 2277 | LPS-4 |
| 8E7 | 2279 | LPS-5 | Barnstable, Dukes (limited coverage), Nantucket (limited coverage) Counties |
| 8E9 | 2281 | LPS-6 |
| 8EB | 2283 | LPS-7 | Hampden (far E), Hampshire (far E), Middlesex (far NW), Worcester Counties |
| 8ED | 2285 | LPS-8 |
| 8EF | 2287 | LPS-9 | Berkshire, Franklin, Hampden (except far E), Hampshire (except far E) Counties |
| 8F1 | 2289 | LPS-10 |

**Shared Event Talkgroups (EVENT-1 to EVENT-16)**

The Event talkgroups are for intermittent single agency use for eligible users and permitted uses as stated in Part 90 of the FCC’s rules and regulations. They are primarily intended for cache radios and interoperability users. These channels are normally turned off and use of them must be requested as indicated in the Massachusetts Radio Interoperability Guide. They may be enabled for the appropriate area of operation.

|  |  |  |
| --- | --- | --- |
| **T/G Hex** | **T/G Decimal** | **T/G Name** |
| 801 | 2049 | EVENT-1 |
| 803 | 2051 | EVENT-2 |
| 805 | 2053 | EVENT-3 |
| 807 | 2055 | EVENT-4 |
| 809 | 2057 | EVENT-5 |
| 80B | 2059 | EVENT-6 |
| 80D | 2061 | EVENT-7 |
| 80F | 2063 | EVENT-8 |
| 800 | 2048 | EVENT-9 |
| 802 | 2050 | EVENT-10 |
| 804 | 2052 | EVENT-11 |
| 806 | 2054 | EVENT-12 |
| 808 | 2056 | EVENT-13 |
| 80A | 2058 | EVENT-14 |
| 80C | 2060 | EVENT-15 |
| 80E | 2062 | EVENT-16 |

**Mutual Aid Talkgroups**

The following Mutual Aid talkgroups are available to the agency for interoperable use. Use of each talkgroup is dictated by their respective owners, as indicated:

| **T/G Hex** | **T/G Decimal** | **T/G Name** | **Owner** |
| --- | --- | --- | --- |
| 9E1 | 2529 | BAP AREAWIDE 3 | Greater Boston Police Council |
| 9E3 | 2531 | BAP AREAWIDE 4 | Greater Boston Police Council |
| 9E5 | 2533 | BAP NORTH | Greater Boston Police Council |
| 9E7 | 2535 | BAP SOUTH | Greater Boston Police Council |
| 9E9 | 2537 | BAP WEST | Greater Boston Police Council |
| 9EB | 2539 | BAP CENTRAL | Greater Boston Police Council |
| 9ED | 2541 | BAP NORTHWEST | Greater Boston Police Council |
| 9EF | 2543 | BAP SOUTHEAST | Greater Boston Police Council |
| 9F1 | 2545 | BAP SOUTHWEST | Greater Boston Police Council |
| 9D1 | 2513 | WMLEC SIM 1 PD | Western Mass. Law Enforcement Council |
| 979 | 2425 | BARN COUNTY PD | Barnstable County Sheriff's Office |
| 96B | 2411 | BARN PD ADM 1 | Barnstable County Sheriff's Office |
| 96D | 2413 | BARN PD ADM 2 | Barnstable County Sheriff's Office |
| 96F | 2415 | BARN PD ADM 3 | Barnstable County Sheriff's Office |
| 949 | 2377 | FD1 M/A DISP | Barnstable County Sheriff's Office |
| 94B | 2379 | FD1 BARN OPS 1 | Barnstable County Sheriff's Office |
| 945 | 2373 | FD1 BARN OPS 2 | Barnstable County Sheriff's Office |
| 947 | 2375 | FD1 BARN OPS 3 | Barnstable County Sheriff's Office |
| 9CB | 2507 | FD7 ORANGE | Massachusetts Fire District 7 |
| 9CD | 2509 | FD8 SIMULCAST | Mid State Fire Mutual Aid Association |
| 9D3 | 2515 | WMLEC SIM 2 FD | Western Mass. Law Enforcement Council |
| 41F | 1055 | FD13 METRO CTL | MetroFire |
| 421 | 1057 | FD13 METRO RED | MetroFire |
| B23 | 2851 | UASI CALL-IN | Metro Boston Homeland Security Region |
| B35 | 2869 | UASI TAC-1 | Metro Boston Homeland Security Region |
| B37 | 2871 | UASI TAC-2 | Metro Boston Homeland Security Region |
| B39 | 2873 | UASI TAC-3 | Metro Boston Homeland Security Region |
| B3B | 2875 | UASI TAC-4 | Metro Boston Homeland Security Region |