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COMMUNICATIONS GUIDELINE NUMBER 16-03

New York State Minimum Channel Programming of Interoperability Channels for Mobile and Portable Radios in the Public Services

Effective: Immediately
Date issued: May 4th, 2016

Valid: Until revoked or superseded
Revision: 1 (UTAC Name Corrections)

SUMMARY:

This document establishes a minimum programming for interoperability and common channels into all subscriber (e.g. mobile and portable radios) used by **non-traditional first responders and public services** in New York State, who hold a valid Federal Communications Commission (FCC) Part 90 license.

JUSTIFICATION:

In order to ensure radio subscriber units are prepared to communicate at an incident, public service radios should be programmed with a minimum set of common interoperability channels. This document describes that set.

DESCRIPTION:

In order to ensure that public service has the necessary common channels available to communicate with public safety, without incident based reprogramming, this guideline contains the **minimum** channels that should be available to all public service radio users, appropriate to the frequency band(s) the radio is capable of supporting. The exact specifics of the “zone” or “bank” to place these channels in are left to the programming agency. However, it is imperative that users are able to access these channels when needed and are trained in their location and use. **This document presents a minimum guideline**; it does not prevent the programming and use of other channels authorized to a user. The State encourages the sharing of channels among jurisdictions and services, within the appropriate license and authorization authority.

LICENSING:

- Certain channels are licensed by Federal Communications Commission rule for mobile and portable users for agencies with an FCC Part 90 license and further licensing is not required. These include: VCALL10, VTAC11-14, UCALL40/UCALL40D, UTAC41-43/UTAC41-43D, and all 700 MHz and 800 MHz Interoperability channels listed here.
- **IN ALL CASES, base stations MUST have a fixed point license for any of these channels.** Further information on base stations are detailed in a separate guideline.
- VHF and UHF channels may be subject to “Line-A” restrictions in areas of the State.

PERMITTED USES:

- Interoperable communications.

PROHIBITED USES:

- Dispatching a single agency;
- Substitution for an internal agency operational channel;
- Single agency tactical communications;
- Routine fire ground communications;
- Routine National Crime Information Center (NCIC) or Department of Motor Vehicles (DMV) type checks.

TECHNICAL PARAMETERS:

- For VHF-HI and UHF channels, only **analog, narrowband** transmissions are permitted.
- For 700 MHz channels, the **use of Project-25 (P25)** is required.
- For 800 MHz channels, only the use of 16K0F3E **analog** transmissions are permitted.
- The use of a radio programmed “**time out timer**” is mandatory, with transmissions not permitted to exceed 120 seconds (2 minutes) each.

National Interoperability Channels – VHF High Band Licensed by FCC Rule for Mobile and Portable Radios Restricted to Interoperability Use Only				
<i>Channel name</i>	<i>Receive Frequency (MHz)</i>	<i>Receive CTCSS (Hz)</i>	<i>Transmit Frequency (MHz)</i>	<i>Transmit CTCSS (Hz)</i>
VCALL10	155.7525	CSQ	155.7525	156.7
VTAC11	151.1375	CSQ	151.1375	156.7
VTAC12	154.4525	CSQ	154.4525	156.7
VTAC13	158.7375	CSQ	158.7375	156.7
VTAC14	159.4725	CSQ	159.4725	156.7
VTAC36	151.1375	CSQ	159.4725	136.5
VTAC37	154.4525	CSQ	158.7375	136.5
VTAC38	158.7375	CSQ	159.4725	136.5

National Interoperability Channels – UHF				
Licensed by FCC Rule for Mobile and Portable Radios Restricted to Interoperability Use Only				
<i>Channel name</i>	<i>Receive Frequency</i>	<i>Receive CTCSS</i>	<i>Transmit Frequency</i>	<i>Transmit CTCSS</i>
UCALL40	453.2125	CSQ	458.2125	156.7
UCALL40D	453.2125	CSQ	453.2125	156.7
UTAC41	453.4625	CSQ	458.4625	156.7
UTAC41D	453.4625	CSQ	453.4625	156.7
UTAC42	453.7125	CSQ	458.7125	156.7
UTAC42D	453.7125	CSQ	453.7125	156.7
UTAC43	453.8625	CSQ	458.8625	156.7
UTAC43D	453.8625	CSQ	453.8625	156.7

National Interoperability Channels – 700 MHz Licensed by FCC Rule for Mobile and Portable Radios Restricted to Interoperability Use Only Use of P-25 is required by FCC Rules				
<i>Channel name</i>	<i>Receive Frequency</i>	<i>Receive NAC</i>	<i>Transmit Frequency</i>	<i>Transmit NAC</i>
7CALL50	769.24375	\$F7E	799.24375	\$293
7CALL50D	769.24375	\$F7E	769.24375	\$293
7TAC51	769.14375	\$F7E	799.14375	\$293
7TAC51D	769.14375	\$F7E	769.14375	\$293
7TAC52	769.64375	\$F7E	799.64375	\$293
7TAC52D	769.64375	\$F7E	769.64375	\$293
7TAC53	770.14375	\$F7E	800.14375	\$293
7TAC53D	770.14375	\$F7E	770.14375	\$293
7TAC54	770.64375	\$F7E	800.64375	\$293
TAC54D	770.64375	\$F7E	770.64375	\$293
7TAC55	769.74375	\$F7E	799.74375	\$293
7TAC55D	769.74375	\$F7E	769.74375	\$293
7TAC56	770.24375	\$F7E	800.24375	\$293
7TAC56D	770.24375	\$F7E	770.24375	\$293
7GTAC57	770.99375	\$F7E	800.99375	\$293
7GTAC57D	770.99375	\$F7E	770.99375	\$293
7CALL70	773.25625	\$F7E	803.25625	\$293
7CALL70	773.25625	\$F7E	773.25625	\$293
7TAC71	773.10625	\$F7E	803.10625	\$293
7TAC71D	773.10625	\$F7E	773.10625	\$293
7TAC72	773.60625	\$F7E	803.60625	\$293
7TAC72D	773.60625	\$F7E	773.60625	\$293
7TAC73	774.10625	\$F7E	804.10625	\$293
7TAC73D	774.10625	\$F7E	774.10625	\$293
7TAC74	774.60625	\$F7E	804.60625	\$293
7TAC74D	774.60625	\$F7E	774.60625	\$293
7TAC75	773.75625	\$F7E	803.75625	\$293
7TAC75D	773.75625	\$F7E	773.75625	\$293
7TAC76	774.25625	\$F7E	804.25625	\$293
7TAC76	774.25625	\$F7E	774.25625	\$293
7GTAC77	774.85625	\$F7E	804.85625	\$293
7GTAC77D	774.85625	\$F7E	774.85625	\$293

National Interoperability Channels – 800 MHz Licensed by FCC Rule for Mobile and Portable Radios Restricted to Interoperability Use Only				
<i>Channel name</i>	<i>Receive Frequency</i>	<i>Receive CTCSS</i>	<i>Transmit Frequency</i>	<i>Transmit CTCSS</i>
8CALL90	851.0125	CSQ	806.0125	156.7
8CALL90D	851.0125	CSQ	851.0125	156.7
8TAC91	851.5125	CSQ	806.5125	156.7
8TAC91D	851.5125	CSQ	851.5125	156.7
8TAC92	852.0125	CSQ	807.0125	156.7
8TAC92D	852.0125	CSQ	852.0125	156.7
8TAC93	852.5125	CSQ	807.5125	156.7
8TAC93D	852.5125	CSQ	852.5125	156.7
8TAC94	853.0125	CSQ	808.0125	156.7
8TAC94D	853.0125	CSQ	853.0125	156.7

UNIT IDENTIFICATION:

- Users shall identify their agency when initiating transmissions on interoperability and common channels. E.g. “Empire County Highway Unit 463 to Anytown Transit Supervisor”).
- Users shall utilize plain language when operating on interoperability and common channels.
- Automatic Number Identification (ANI) is not required on these channels. It is discouraged to transmit a default radio unit ANI on these channels due to the varying formats in use.

MISUSE OF CHANNELS:

- **Concerns** regarding this document or misuse of interoperability and common channels should be reported to the New York State Division of Homeland Security and Emergency Services, Office of Interoperable and Emergency Communications by Email: DHSES.OIEC@dhses.ny.gov or Phone: 518-322-4911.
- **Issues affecting the immediate use of these channels or interference** should be reported to the FCC public safety support center at 202-418-1122.