

## State of Wisconsin

# Mutual Aid Communications Frequencies



2006 Edition

This state plan for mutual aid communications outlines public safety mutual aid and on scene tactical radio communications frequencies available in Wisconsin. All public safety and governmental agencies are encouraged to implement these frequencies.

### **Updates in this Edition**

As interoperability planning in Wisconsin evolves and matures, a number of changes have been implemented since the last edition of this plan.

The statewide EMS channels have been given simplified names for reference (EMS A, EMS B, and EMS C). In practice, the hospital name will continue to be used on these channels. The A, B, and C letters provide an easy suffix to differentiate between the channels a hospital may have. Statewide tones are also established for these channels.

EMS C (State EMS Coordination) is taking on added duties as an alternate to MARC2 for medical helicopter landing zone coordination.

The FIRECOM name will retire after 25 years of good service in favor of the Mutual Aid Box Alarm System FG BLUE name.

Likewise, WISTAC 1 is replaced by the MABAS IFERN channel.

In conjunction with those changes, WISTAC 2 is renamed as MARC3 and WISTAC 3 is renamed as MARC4.

National channel nomenclature has been established by the National Coordination Committee for nationwide interoperability channels. Those names are now included for cross reference purposes. Radios with large displays can be programmed to include both the state and national names.

A new channel has been established, known as NATSAR for National Search and Rescue. This channel will provide a standard statewide interface between public safety agencies and private/volunteer search and rescue organizations.

The provision for digital operation on the VTAC channels has been eliminated to reduce interoperability problems.

The WISPERN channel is planned to convert to narrowband operation by 2011. It is expected that the other statewide mutual aid channels will also follow that timeline.

The end of 2007 is the target to have these changes implemented.

And, of course, the frequency chart has been updated to reflect the most current information available to the state frequency coordinator. Note that some of the listings reflect future plans.

## **Law Enforcement**

In general, each county will have a unique Dispatch repeater channel. Some counties have an alternate Dispatch channel.

## **Fire/Rescue/EMS**

In general, each county will have a unique Dispatch channel, a Paging channel, and a Local simplex channel. Some counties may combine the functions of these channels. A pool of shared public safety on scene tactical channels has been established for fireground communications. Use of frequencies outlined in the state plan will increase the number of tactical channels available and provide for a high degree of interoperability between units at an incident.

Dispatch – a channel for communications between dispatch and field units, also unit to unit communications for longer range if through a repeater

Paging – a channel primarily for transmitting alerting messages to paging receivers

Local – a county specific channel for local administrative and training, usually a simplex frequency

Fireground – a channel for on scene tactical communications

## **Highway/Local Government**

Each county is assigned a county highway department frequency (pair) and a local government frequency for road maintenance and other municipal operations.

## Wisconsin Countywide Public Safety Frequencies

The following is a list of frequencies available in Wisconsin counties. In most counties all agencies will share these channels. Large cities will have their own local channels.

COUNTY	LAW 1	LAW 2	FIRE DISPATCH	FIRE/EMS PAGING	FIRE LOCAL	HIGHWAY DEPT	LOCAL GOVT
Adams	154.755 173.8	154.755 173.8	151.325 241.8	154.100 173.8	154.415 173.8	159.120 82.5	155.025
Ashland	155.565 107.2	154.785 TBD	154.995 D251	154.995 D251	154.400 107.2	156.240 146.2	155.820
Barron	155.775 88.5	155.430 TBD	151.235 141.3	151.235 141.3	154.310 141.3	159.120 88.5	155.145
Bayfield	154.740 114.8	154.740 114.8	154.980 146.2	154.980 146.2	154.130* 146.2	151.010 94.8	155.145
Brown	154.740 146.2	154.890 146.2	154.370 179.9	154.040 179.9	154.130* 179.9	151.115 131.8	159.120
Buffalo	155.115 114.8	155.115 114.8	154.385 156.7	154.385 156.7	154.385 156.7	151.085 71.9	154.100
Burnett	155.670 110.9	154.7375 TBD	155.865 136.5	155.865 136.5	154.415 110.9	156.165 127.3	154.980
Calumet	155.040 173.8	N/A	154.220 186.2	154.220 186.2	156.105 186.2	151.100 103.5	155.085
Chippewa	155.415 162.2	155.070 110.9	154.430 103.5	155.835 110.9	154.250 D261	151.055 110.9	154.040
Clark	155.250 127.3	155.805 127.3	155.955 192.8	155.955 192.8	154.370	156.180 192.8	155.055
Columbia	154.875 114.8	155.415 167.9	151.220 203.5	154.145 114.8	154.430 114.8	151.025 162.2	155.085
Crawford	155.685 D152	155.655 151.4	154.310 151.4	154.310 151.4	154.310 151.4	156.120 192.8	155.085
Dane	155.655 167.9	154.845 167.9	158.745 167.9	158.775 CS	154.070 167.9	151.055 167.9	154.100
Dodge	155.745 141.3	154.785 141.3	154.325 141.3	154.445 141.3	154.280* 141.3	151.115 127.3	155.895
Door	155.520 D051	154.950 D051	154.340 141.3	151.190 D051	154.430 D051	156.180 131.8	155.085
Douglas	158.730 151.4	155.490 151.4	154.370 77.0	154.370 77.0	154.220 CS	158.775 127.3	154.040
Dunn	155.595 77.0	155.595 77.0	158.775 91.5	158.775 91.5	154.190 136.5	159.195 114.8	154.055
Eau Claire	154.875 162.2	154.950 192.8	155.880 210.7	155.880 210.7	154.220 167.9	453.950 67.0	155.940
Florence	155.580 131.8	155.580 131.8	158.820 127.3	155.580 131.8	154.220 131.8	156.240 D464	158.820 127.3
Fond du Lac	155.625 186.2	155.970 186.2	154.355 186.2	154.355 186.2	154.070 186.2	151.055 127.3	155.940
Forest	155.730 NAC 003	155.730 NAC 003	155.895 127.3	155.895 127.3	154.190 127.3	150.995 186.2	155.055
Grant	155.865 123.0	155.490 D	155.745 D132	155.925 CS	154.340 123.0	150.995 127.3	154.040
Green	154.725 91.5	155.610 123.0	154.160 97.4	163.250 CS	154.355 123.0	156.180 88.5	155.805
Green Lake	155.490 136.5	155.550 136.5	154.400 136.5	154.400 136.5	154.010* 136.5	159.120 127.3	155.145
Iowa	155.595 100.0	155.595 100.0	154.415 123.0	154.385 123.0	154.430	37.90 103.5	155.085

Iron	159.090 NAC 103	159.090 103.5	155.955 123.0	155.955 123.0	154.160	151.025 179.9	154.040
Jackson	154.815 82.5	155.685	154.445 123.0	154.445 123.0	154.445 123.0	159.135 141.3	155.820
Jefferson	154.860 107.2	155.145 107.2	154.370 107.2	154.055 107.2	154.415 107.2	156.240 173.8	155.925
Juneau	156.210 82.5	154.725 167.9	154.190 82.5	154.190 82.5	154.220	158.805 107.2	159.195
Kenosha	155.955 107.2	155.625 107.2	154.250 118.8	154.250 118.8	154.250 118.8	151.055 131.8	155.145
Kewaunee	155.190 D162	155.670 D051	154.310 D051	155.715 D043	154.145 146.2	151.085 114.8	155.895
La Crosse	155.430 203.5	155.520 203.5	154.130* 203.5	154.130* 203.5	154.205 203.5	151.025 131.8	154.055
Lafayette	159.150 114.8	155.880 192.8	154.085 114.8	154.085 114.8	154.385 114.8	158.820 131.8	154.025
Langlade	154.875 107.2	155.640 107.2	155.025 127.3	155.025 127.3	154.310 146.2	151.025 107.2	154.025
Lincoln	154.800 103.5	155.640 103.5	154.980 103.5	154.980 103.5	154.400 103.5	151.1225	155.115
Manitowoc	159.210 192.8	153.740 192.8	154.280* 192.8	154.280* 192.8	154.010* 192.8	159.165 141.3	154.980
Marathon	159.210 186.2	155.520 186.2	154.340 167.9	154.965 186.2	154.235 167.9	151.100 114.8	154.995
Marinette	155.535 NAC 666	155.535 173.8	154.010* 173.8	154.010* 173.8	154.355 173.8	159.105 146.2	154.085
Marquette	155.190 136.5	155.250 91.5	154.130* 136.5	155.880 136.5	154.130* 136.5	151.085 131.8	154.025
Menominee	154.815 D245	154.785 146.2	155.040 D116	155.040 D116	155.040 D116	37.92 D073	155.715
Milwaukee North	800 MHz trunking	800 MHz trunking	154.340 141.3	154.340 141.3	154.445 97.4	800 MHz trunking	800 MHz trunking
Milwaukee Central	800 MHz trunking	800 MHz trunking	800 MHz trunking	800 MHz trunking	800 MHz trunking	800 MHz trunking	800 MHz trunking
Milwaukee South	800 MHz trunking	800 MHz trunking	154.220 97.4	154.220 97.4	154.415 167.9	800 MHz trunking	800 MHz trunking
Monroe	155.625 156.7	155.085 156.7	154.235 156.7	154.235 156.7	154.400 156.7	154.115 225.7	155.955
Oconto	155.430 179.9	154.755 179.9	151.250 TBD	155.580 TBD	154.235 179.9	151.055 179.9	154.115
Oneida	154.725 114.8	155.640 114.8	154.445 114.8	155.805 114.8	154.355 114.8	151.175 146.2	155.040
Outagamie	155.700 107.2	155.820 107.2	154.250 CS	154.250 CS	154.385 107.2	150.995 151.4	155.715
Ozaukee	800 MHz trunking	800 MHz trunking	800 MHz trunking	154.160 107.2	800 MHz trunking	800 MHz trunking	800 MHz trunking
Pepin	156.210 103.5	155.730 77.0	156.210 103.5	156.210 103.5	154.175 103.5	150.995 151.4	158.835
Pierce	155.130 186.2	155.655 186.2	154.400 186.2	152.0075 CS	154.130* 186.2	159.135 107.2	154.980
Polk	155.550 179.9	154.800 179.9	154.025 179.9	154.025 179.9	154.235 179.9	151.010 103.5	155.955
Portage	155.595 NAC 010	155.670 146.2	154.385 206.5	154.385 206.5	154.325 206.5	151.010 127.3	155.025
Price	155.535 146.2	155.535 146.2	154.325 103.5	154.325 103.5	154.325 103.5	156.165 167.9	155.865
Racine	154.755 186.2	151.175 186.2	460.0125 118.8	460.0125 118.8	458.400 123.0	151.025 186.2	155.805

Richland	154.740 118.8	154.740 118.8	155.055 118.8	155.055 118.8	154.430	151.130 162.2	151.130 162.2
Rock	159.090 110.9	158.730 131.8	155.715 131.8	154.310 79.7	154.340 118.8	868.7375 203.5	151.040
Rusk	155.625 118.8	155.625 118.8	154.205 118.8	154.205 118.8	154.205 118.8	151.130 103.5	154.100
St. Croix	155.580 186.2	154.725 173.8	154.325 186.2	155.745 186.2	154.325 186.2	156.225 186.2	155.925
Sauk	155.700 82.5	155.310 D125	151.250 97.4	155.775 82.5	154.370 82.5	159.180 146.2	155.115
Sawyer	154.860 141.3	155.685	154.235 141.3	155.025 141.3	154.235 141.3	154.055 103.5	155.055
Shawano	159.090 85.4	155.640 94.8	155.145 156.7	155.145 156.7	154.070 94.8	159.135 127.3	155.880
Sheboygan	800 MHz trunking	800 MHz trunking	800 MHz trunking	154.415 141.3	800 MHz trunking	800 MHz trunking	800 MHz trunking
Taylor	155.565 110.9	155.565 110.9	154.175 88.5	154.175 88.5	154.310	155.760 127.3	155.115
Trempealeau	155.775 131.8	155.775 131.8	154.070 131.8	154.070 131.8	154.250 173.8	453.350 131.8	155.100
Vernon	154.995 167.9	154.995 167.9	154.860 TBD	154.175 167.9	154.175 167.9	453.700 D243	155.895
Vilas	155.550 D025	155.640 118.8	154.415 118.8	154.415 118.8	154.415 118.8	151.130 146.2	154.115
Walworth	856.4375 118.8	857.4375 118.8	453.375 173.8	453.675 118.8	453.9125 CS	453.825 173.8	159.135
Washburn	155.730 151.4	155.730 151.4	155.100 151.4	155.100 151.4	154.445 151.4	151.085 151.4	155.925
Washington	155.250 192.8	155.595 192.8	159.825 192.8	158.835 CS	154.190 192.8	151.130 173.8	154.055
Waukesha	800 MHz trunking	800 MHz trunking	800 MHz trunking	154.430 118.8	800 MHz trunking	800 MHz trunking	800 MHz trunking
Waupaca	154.860 100.0	155.535 203.5	151.235 123.0	154.205 100.0	154.145 123.0	154.115 167.9	154.025
Waushara	155.130 162.2	155.865 114.8	154.055 114.8	154.175 114.8	154.010* 114.8	156.240 123.0	155.715
Winnebago	158.730 162.2	158.835 162.2	158.775 118.8	158.775 118.8	154.445 136.5	159.180 118.8	155.025
Wood	155.550 82.5	155.730 82.5	154.160 82.5	154.160 82.5	151.250 82.5	151.025 91.5	154.040

04/06

CS = Carrier Squelch/no tone

TBD = To Be Determined

\* indicates this frequency is also a statewide mutual aid channel

Corrections and updates to the above list can be directed to the state frequency coordinator:

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## Wisconsin Statewide Public Safety Common Mutual Aid Frequencies

These frequencies have been established for statewide public safety interagency and on scene communications and can be authorized for use under the state license.

Name Interagency Fire Emergency Radio Network  
Previously Wisconsin Tactical 1  
Acronym **IFERN**  
Previously WISTAC 1  
Receive Frequency 154.265  
Receive Tone None until transition from WISTAC1 to IFERN is completed  
Transmit Frequency 154.265  
Transmit Tone 210.7  
Primary Discipline Fire/Rescue/EMS, Mutual Aid Box Alarm System  
State Callsign KO2099  
Usage Mutual aid base/mobile dispatch

Name Red Fireground  
Acronym **FG RED**  
Receive Frequency 153.830  
Receive Tone None until after 01/01/07, then optionally 69.3  
Transmit Frequency 153.830  
Transmit Tone 69.3  
Primary Discipline Fire/Rescue/EMS, Mutual Aid Box Alarm System  
State Callsign KO2099  
Usage Fireground operations, on scene tactical

Name White Fireground  
Acronym **FG WHITE**  
Receive Frequency 154.280  
Receive Tone None until after 01/01/07, then optionally 74.4  
Transmit Frequency 154.280  
Transmit Tone 74.4  
Primary Discipline Fire/Rescue/EMS, Mutual Aid Box Alarm System  
State Callsign KO2099  
Usage Fireground operations, on scene tactical

Name Blue Fireground  
Formerly Fire Interagency Radio Emergency Communications  
Acronym **FG BLUE**  
Formerly FIRECOM  
Receive Frequency 154.295  
Receive Tone None  
Transmit Frequency 154.295  
Transmit Tone 85.4  
Primary Discipline Fire/Rescue/EMS, Mutual Aid Box Alarm System  
State Callsign KO2099  
Usage Fireground operations, on scene tactical

Name Gold Fireground  
Acronym **FG GOLD**  
Receive Frequency 153.8375  
Receive Tone 91.5  
Transmit Frequency 153.8375  
Transmit Tone 91.5  
Primary Discipline Fire/Rescue/EMS, Mutual Aid Box Alarm System  
State Callsign KO2099  
Usage Fireground operations, on scene tactical  
Narrowband operation only  
Do not use at the same incident as Red Fireground and MARC 1.

Name Black Fireground  
Acronym **FG BLACK**  
Receive Frequency 154.2725  
Receive Tone 94.8  
Transmit Frequency 154.2725  
Transmit Tone 94.8  
Primary Discipline Fire/Rescue/EMS, Mutual Aid Box Alarm System  
State Callsign KO2099  
Usage Fireground operations, on scene tactical  
Narrowband operation only  
Do not use at the same incident as IFERN and White Fireground.

Name Gray Fireground  
Acronym **FG GRAY**  
Receive Frequency 154.2875  
Receive Tone 136.5  
Transmit Frequency 154.2875  
Transmit Tone 136.5  
Primary Discipline Fire/Rescue/EMS, Mutual Aid Box Alarm System  
State Callsign KO2099  
Usage Fireground operations, on scene tactical  
Narrowband operation only  
Do not use at the same incident as White and Blue Fireground.

Name Interagency Fire Emergency Radio Network 2  
Acronym **IFERN2**  
Receive Frequency 154.3025  
Receive Tone 67.0  
Transmit Frequency 154.3025  
Transmit Tone 67.0  
Primary Discipline Fire/Rescue/EMS, Mutual Aid Box Alarm System  
State Callsign KO2099  
Usage Alternate mutual aid base/mobile dispatch  
Do not use at the same incident as Blue Fireground and 154.310.

For the above frequencies, see the Mutual Aid Box Alarm System (MABAS) communications plan at: <http://www.mabasradio.org/>

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Name Mutual Aid Radio Channel 1  
Acronym **MARC1**  
Receive Frequency 151.280  
Receive Tone 136.5  
Transmit Frequency 153.845  
Transmit Tone 136.5  
Primary Discipline All public safety  
State Callsign WNPG812  
Usage Wide area interagency communications through repeaters

Name Mutual Aid Radio Channel 2  
Acronym **MARC2**  
Receive Frequency 151.280  
Receive Tone 136.5  
Transmit Frequency 151.280  
Transmit Tone 136.5  
Primary Discipline All public safety  
State Callsign WNPG812  
Usage On scene tactical incident communications  
Medical helicopter landing zone coordination

Name Mutual Aid Radio Channel 3  
Previously Wisconsin Tactical 2  
Acronym **MARC3**  
Previously WISTAC 2  
Receive Frequency 154.010  
Receive Tone 71.9  
Transmit Frequency 154.010  
Transmit Tone 71.9  
Primary Discipline Fire/Rescue/EMS, alternate for other public safety  
State Callsign KO2099  
Usage Fireground operations, on scene tactical  
Use is restricted in some areas of the state, see plan.

Name Mutual Aid Radio Channel 4  
Previously Wisconsin Tactical 3  
Acronym **MARC4**  
Previously WISTAC 3  
Receive Frequency 154.130  
Receive Tone 82.5  
Transmit Frequency 154.130  
Transmit Tone 82.5  
Primary Discipline Fire/Rescue/EMS, alternate for other public safety  
State Callsign KO2099  
Usage Fireground operations, on scene tactical  
Use is restricted in some areas of the state, see plan.

For the above frequencies, see the Mutual Aid Radio Channel plan for more info (available at <http://www.apcowisconsin.org/>).

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Name State EMS Basic (BLS)  
Acronym **EMS B**  
Receive Frequency 155.340  
Receive Tone None  
Transmit Frequency 155.340  
Transmit Tone D156 for statewide; each hospital is assigned a tone  
Primary Discipline EMS  
State Callsign KH4762  
Usage Ambulance to hospital communications

Name State EMS Coordination  
Acronym **EMS C**  
Receive Frequency 155.280  
Receive Tone D156 for statewide/mobile; each hospital is assigned a tone  
Transmit Frequency 155.280  
Transmit Tone D156 for statewide/mobile; each hospital is assigned a tone  
Primary Discipline EMS, Public Health  
State Callsign KH4762  
Usage Hospital to hospital communications, on scene coordination,  
Alternate for medical helicopter landing zone coordination  
Use may be limited in some areas due to non-EMS users.

Name State EMS Advanced (ALS)  
Acronym **EMS A**  
Receive Frequency 155.400  
Receive Tone None  
Transmit Frequency 155.400  
Transmit Tone D156 for statewide; each hospital is assigned a tone  
Primary Discipline EMS only  
State Callsign KH4762  
Usage ALS ambulance to hospital and ambulance to ALS intercept  
communications

For the above frequencies, see the State EMS Communications plan for more info:  
[http://dhfs.wisconsin.gov/ems/system/PDF\\_files/Communication\\_Plan\\_02.pdf](http://dhfs.wisconsin.gov/ems/system/PDF_files/Communication_Plan_02.pdf)

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Name Wisconsin Emergency Management Car to Car  
Acronym **WEM CAR**  
Receive Frequency 156.000  
Receive Tone 136.5  
Transmit Frequency 156.000  
Transmit Tone 136.5  
Primary Discipline Emergency Management  
State Callsign KGT483  
Usage On scene tactical incident communications

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Name Wisconsin Police Emergency Radio Network  
Acronym **WISPERN**  
Receive Frequency 155.475  
Receive Tone None until after 06/01/06, then optionally 156.7  
Transmit Frequency 155.475  
Transmit Tone 156.7  
Primary Discipline Law Enforcement  
Use by other disciplines only if directed by law enforcement  
State Callsign KA6570  
Usage Interagency communications  
See the WISPERN plan for more information (available at <http://www.apcowisconsin.org/>).

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Name Point to Point  
Acronym **POINT**  
Receive Frequency 155.370  
Receive Tone None until after 06/01/06, then optionally 146.2  
Transmit Frequency 155.370  
Transmit Tone 146.2  
Primary Discipline Law Enforcement  
Use by other disciplines only if directed by law enforcement  
State Callsign KA6570  
Usage Base to base interagency communications

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Name National Search & Rescue  
Acronym **NATSAR**  
Receive Frequency 155.160  
Receive Tone None or 127.3  
Transmit Frequency 155.160  
Transmit Tone 127.3  
Primary Discipline Search and Rescue  
State Callsign KO2099  
Usage Interface between public safety agencies and search and rescue groups  
Use may be limited in some areas due to non-EMS users.

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Name VHF Calling  
Acronym **VCALL**  
Receive Frequency 155.7525  
Receive Tone 156.7  
Transmit Frequency 155.7525  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency calling channel, nationwide  
Use is restricted in some areas of the state, see plan.

Name VHF Tactical 1  
Acronym **VTAC1**  
Receive Frequency 151.1375  
Receive Tone 156.7  
Transmit Frequency 151.1375  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency tactical communications  
Use is restricted in some areas of the state, see plan.

Name VHF Tactical 2  
Acronym **VTAC2**  
Receive Frequency 154.4525  
Receive Tone 156.7  
Transmit Frequency 154.4525  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency tactical communications  
Use is restricted in some areas of the state, see plan.

Name VHF Tactical 3  
Acronym **VTAC3**  
Receive Frequency 158.7375  
Receive Tone 156.7  
Transmit Frequency 158.7375  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency tactical communications  
Use is restricted in some areas of the state, see plan.

Name VHF Tactical 4  
Acronym **VTAC4**  
Receive Frequency 159.4725  
Receive Tone 156.7  
Transmit Frequency 159.4725  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency tactical communications  
Use is restricted in some areas of the state, see plan.

Name UHF Calling  
Acronym **UCALL**  
Receive Frequency 453.2125  
Receive Tone 156.7  
Transmit Frequency 458.2125

Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency calling channel (repeater)  
Use is restricted in some areas of the state, see plan.

Name UHF Calling Direct  
Acronym **UCALLA**  
Receive Frequency 453.2125  
Receive Tone 156.7  
Transmit Frequency 453.2125  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency calling channel (direct)  
Use is restricted in some areas of the state, see plan.

Name UHF Tactical 1  
Acronym **UTAC1**  
Receive Frequency 453.4625  
Receive Tone 156.7  
Transmit Frequency 458.4625  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency tactical communications (repeater)  
Use is restricted in some areas of the state, see plan.

Name UHF Tactical 1 Direct  
Acronym **UTAC1A**  
Receive Frequency 453.4625  
Receive Tone 156.7  
Transmit Frequency 453.4625  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency tactical communications (direct)  
Use is restricted in some areas of the state, see plan.

Name UHF Tactical 2  
Acronym **UTAC2**  
Receive Frequency 453.7125  
Receive Tone 156.7  
Transmit Frequency 458.7125  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency tactical communications (repeater)  
Use is restricted in some areas of the state, see plan.

Name UHF Tactical 2 Direct  
Acronym **UTAC2A**  
Receive Frequency 453.7125  
Receive Tone 156.7  
Transmit Frequency 458.7125  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency tactical communications (direct)  
Use is restricted in some areas of the state, see plan.

Name UHF Tactical 3  
Acronym **UTAC3**  
Receive Frequency 453.8625  
Receive Tone 156.7  
Transmit Frequency 458.8625  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency tactical communications (repeater)  
Use is restricted in some areas of the state, see plan.

Name UHF Tactical 3 Direct  
Acronym **UTAC3A**  
Receive Frequency 453.8625  
Receive Tone 156.7  
Transmit Frequency 453.8625  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency tactical communications (repeater)  
Use is restricted in some areas of the state, see plan.

For the above frequencies, see the state plan for more info (available at <http://www.apcowisconsin.org/>). Note that all VCALL/VTAC/UCALL/UTAC frequencies are narrowband only.

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Name International Calling  
Acronym **ICALL**  
Receive Frequency 866.0125 (851.0125 after rebanding)  
Receive Tone 156.7  
Transmit Frequency 821.0125 (806.0125 after rebanding)  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency calling channel (repeater)

Name International Calling Direct  
Acronym **ICALLD**  
Receive Frequency 866.0125 (851.0125 after rebanding)  
Receive Tone 156.7  
Transmit Frequency 866.0125 (851.0125 after rebanding)  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency calling channel (direct)

Name International Tactical 1  
Acronym **ITAC1**  
Receive Frequency 866.5125 (851.5125 after rebanding)  
Receive Tone 156.7  
Transmit Frequency 821.5125 (806.5125 after rebanding)  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency tactical communications (repeater)

Name International Tactical 1 Direct  
Acronym **ITAC1D**  
Receive Frequency 866.5125 (851.5125 after rebanding)  
Receive Tone 156.7  
Transmit Frequency 866.5125 (851.5125 after rebanding)  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency tactical communications (direct)

Name International Tactical 2  
Acronym **ITAC2**  
Receive Frequency 867.0125 (852.0125 after rebanding)  
Receive Tone 156.7  
Transmit Frequency 822.0125 (807.0125 after rebanding)  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency tactical communications (repeater)

Name International Tactical 2 Direct  
Acronym **ITAC2D**  
Receive Frequency 867.0125 (852.0125 after rebanding)  
Receive Tone 156.7  
Transmit Frequency 867.0125 (852.0125 after rebanding)  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency tactical communications (direct)

Name International Tactical 1  
Acronym **ITAC3**  
Receive Frequency 867.5125 (852.5125 after rebanding)  
Receive Tone 156.7  
Transmit Frequency 822.5125 (807.5125 after rebanding)  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency tactical communications (repeater)

Name International Tactical 3 Direct  
Acronym **ITAC3D**  
Receive Frequency 867.5125 (852.5125 after rebanding)  
Receive Tone 156.7  
Transmit Frequency 867.5125 (852.5125 after rebanding)  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency tactical communications (direct)

Name International Tactical 4  
Acronym **ITAC4**  
Receive Frequency 868.0125 (853.0125 after rebanding)  
Receive Tone 156.7  
Transmit Frequency 823.0125 (808.0125 after rebanding)  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency tactical communications (repeater)

Name International Tactical 4 Direct  
Acronym **ITAC4D**  
Receive Frequency 868.0125 (853.0125 after rebanding)  
Receive Tone 156.7  
Transmit Frequency 868.0125 (853.0125 after rebanding)  
Transmit Tone 156.7  
Primary Discipline All public safety, nationwide  
State Callsign N/A  
Usage Public safety interagency tactical communications (direct)

For the above frequencies, see the NPSPAC Region 45 and 54 plans for more info.

There are also designated interoperability frequencies in the public safety 700 MHz band that are subject to planning by the State Interoperability Executive Council. At present, more information is available at the CAPRAD web site: <http://caprad.nlectc.du.edu/login/home>

The transmit and receive references listed above are for mobile and portable operation, not for base stations.

## **Usage**

All public safety agencies in Wisconsin are encouraged to implement the statewide common frequencies. In some cases there are local assignments that may conflict with the statewide use plan. It is highly desirable for these situations to be integrated into the state plan. The state frequency coordinator will work with those county and local agencies affected to address these situations.

The state frequency coordinator will work with those counties interested in establishing a county paging or local simplex frequency where none is in use. These additional frequency assignments will be highly dependent on frequency availability. Counties and agencies with additional frequencies are encouraged to consider implementing the statewide plan frequencies and making currently licensed simplex frequencies available for reassignment.

## **Frequency Use Authorization**

All users must either hold their own license or be authorized by letter to operate under another qualified licensee's license in order to legally transmit on a frequency. In many cases, local agencies can receive their authorization from the county. To receive authorization to operate under a statewide license, complete and submit the Frequency Authorization Request form. Generally, only mobile and portable radios can be authorized to operate under someone else's license; base stations must be licensed for a specific location.

## **Updates and Revisions**

This document will be updated annually or as needed to reflect changes due to FCC rules, narrowbanding, frequency assignments, etc.

Revision 2.1 prepared April 2006 by:

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# STATE FREQUENCY AUTHORIZATION REQUEST

This is a request to operate mobile and/or portable radios under a state license.

Agency: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Contact: \_\_\_\_\_

Email: \_\_\_\_\_

Channels/Frequencies Requested:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Number of radios: \_\_\_\_\_

Purpose/usage/other info:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Submit request by email, fax, or mail to:

Carl Guse  
Frequency Coordinator  
Wisconsin State Patrol  
POB 7912  
Madison WI 53707-7912

608-266-2497  
608-267-4495 fax  
[carl.guse@dot.state.wi.us](mailto:carl.guse@dot.state.wi.us)

For internal use: Approved on \_\_\_\_\_ by \_\_\_\_\_

# WISCONSIN STATEWIDE PUBLIC SAFETY COMMON FREQUENCY CHART

## VHF Band

MOBILE RX FREQ	RX TONE	MOBILE TX FREQ	TX TONE	STATE NAME	NATIONAL NAME	STATE CALLSIGN	PRIMARY USE
155.475	CS	155.475	156.7	WISPERN	1LAW16	KA6570	Law Enforcement
155.370	CS	155.370	146.2	POINT	None	KA6570	Law Enforcement
151.280	136.5	153.845	136.5	MARC1	None	WNPG812	All Public Safety
151.280	136.5	151.280	136.5	MARC2	None	WNPG812	All Public Safety
154.010	71.9	154.010	71.9	MARC3	None	KO2099	All Public Safety
154.130	82.5	154.130	82.5	MARC4	None	KO2099	All Public Safety
156.000	136.5	156.000	136.5	WEM CAR	None	KGT483	Emergency Mgt.
155.340	CS	155.340	D156	EMS B	1EMS14	KH4762	EMS
155.280	D156	155.280	D156	EMS C	None	KH4762	EMS
155.400	CS	155.400	D156	EMS A	None	KH4762	EMS
154.265	CS	154.265	210.7	IFERN	1FIR7	KO2099	Fire
153.830	CS	153.830	69.3	FG RED	None	KO2099	Fire
154.280	CS	154.280	74.4	FG WHITE	1FIR9	KO2099	Fire
154.295	CS	154.295	85.4	FG BLUE	1FIR11	KO2099	Fire
153.8375*	91.5	153.8375*	91.5	FG GOLD	None	KO2099	Fire
154.2725*	94.8	154.2725*	94.8	FG BLACK	1FIR8	KO2099	Fire
154.2875*	136.5	154.2875*	136.5	FG GRAY	1FIR10	KO2099	Fire
154.3025*	67.0	154.3025*	67.0	IFERN2	1FIR12	KO2099	Fire
155.160	127.3	155.160	127.3	NATSAR	None	KO2099	Search & Rescue
155.7525*	156.7	155.7525*	156.7	VCALL	1CAL18	KO2099	All Public Safety
151.1375*	156.7	151.1375*	156.7	VTAC1	1TAC5	KO2099	All Public Safety
154.4525*	156.7	154.4525*	156.7	VTAC2	1TAC13	KO2099	All Public Safety
158.7375*	156.7	158.7375*	156.7	VTAC3	1TAC22	KO2099	All Public Safety
159.4725*	156.7	159.4725*	156.7	VTAC4	1TAC23	KO2099	All Public Safety

04/06

\* Narrowband

## WISCONSIN STATEWIDE PUBLIC SAFETY COMMON FREQUENCY CHART

800 MHz Band – before the rebanding process

MOBILE RX FREQ	RX TONE	MOBILE TX FREQ	TX TONE	NAME	NATIONAL NAME	PRIMARY USE
866.0125	156.7	821.0125	156.7	ICALL	8CAL90	All Public Safety
866.5125	156.7	821.5125	156.7	ITAC1	8TAC91	All Public Safety
867.0125	156.7	822.0125	156.7	ITAC2	8TAC92	All Public Safety
867.5125	156.7	822.5125	156.7	ITAC3	8TAC93	All Public Safety
868.0125	156.7	823.0125	156.7	ITAC4	8TAC94	All Public Safety
866.0125	156.7	866.0125	156.7	ICALLD	8CAL90D	All Public Safety
866.5125	156.7	866.5125	156.7	ITAC1D	8TAC91D	All Public Safety
867.0125	156.7	867.0125	156.7	ITAC2D	8TAC92D	All Public Safety
867.5125	156.7	867.5125	156.7	ITAC3D	8TAC93D	All Public Safety
868.0125	156.7	868.0125	156.7	ITAC4D	8TAC94D	All Public Safety

800 MHz Band – after the rebanding process (by 2008)

MOBILE RX FREQ	RX TONE	MOBILE TX FREQ	TX TONE	NAME	NATIONAL NAME	PRIMARY USE
851.0125	156.7	806.0125	156.7	ICALL	8CAL90	All Public Safety
851.5125	156.7	806.5125	156.7	ITAC1	8TAC91	All Public Safety
852.0125	156.7	807.0125	156.7	ITAC2	8TAC92	All Public Safety
852.5125	156.7	807.5125	156.7	ITAC3	8TAC93	All Public Safety
853.0125	156.7	808.0125	156.7	ITAC4	8TAC94	All Public Safety
851.0125	156.7	851.0125	156.7	ICALLD	8CAL90D	All Public Safety
851.5125	156.7	851.5125	156.7	ITAC1D	8TAC91D	All Public Safety
852.0125	156.7	852.0125	156.7	ITAC2D	8TAC92D	All Public Safety
852.5125	156.7	852.5125	156.7	ITAC3D	8TAC93D	All Public Safety
853.0125	156.7	853.0125	156.7	ITAC4D	8TAC94D	All Public Safety

## PRIORITY ORDER FOR IMPLEMENTATION OF VHF CHANNELS

This chart provides a general guide for the priority of implementation of channels in radios that do not have sufficient capacity to include all statewide interoperability channels.

In radios that have 16 channel zones, it is generally suggested that the most used channels be included in the 1<sup>st</sup> zone, other Priority 1 through 12 channels be included in the 2<sup>nd</sup> zone and Priority 13 through 24 channels be included in the 3<sup>rd</sup> zone.

PRIORITY	LAW ENFORCEMENT	FIRE	EMS	EMERGENCY MANAGEMENT	DPW/HWY
1	WISPERN	FG BLUE	EMS B	WEM CAR	WEM CAR
2	MARC1	MARC1	MARC1	MARC1	MARC1
3	MARC2	MARC2	MARC2	MARC2	MARC2
4	MARC3	MARC3	MARC3	MARC3	MARC3
5	MARC4	MARC4	MARC4	MARC4	MARC4
6	POINT	IFERN	IFERN	IFERN	IFERN
7	WEM CAR	FG RED	FG RED	FG RED	FG RED
8	FG BLUE	FG WHITE	FG WHITE	FG WHITE	FG WHITE
9	IFERN	WEM CAR	FG BLUE	FG BLUE	FG BLUE
10	EMS C	EMS C	EMS C	EMS C	EMS C
11	FG RED	WISPERN	WISPERN	WISPERN	WISPERN
12	FG WHITE	POINT	POINT	POINT	POINT
13	NATSAR	NATSAR	NATSAR	NATSAR	NATSAR
14	EMS B	EMS B	WEM CAR	EMS B	EMS B
15	EMS A	EMS A	EMS A	EMS A	EMS A
16	FG GOLD	FG GOLD	FG GOLD	FG GOLD	FG GOLD
17	FG BLACK	FG BLACK	FG BLACK	FG BLACK	FG BLACK
18	FG GRAY	FG GRAY	FG GRAY	FG GRAY	FG GRAY
19	IFERN2	IFERN2	IFERN2	IFERN2	IFERN2
20	VCALL	VCALL	VCALL	VCALL	VCALL
21	VTAC1	VTAC1	VTAC1	VTAC1	VTAC1
22	VTAC2	VTAC2	VTAC2	VTAC2	VTAC2
23	VTAC3	VTAC3	VTAC3	VTAC3	VTAC3
24	VTAC4	VTAC4	VTAC4	VTAC4	VTAC4