

RESOLUTION TO ADOPT THE APPROVED RADIO LIST

WHEREAS, multiple agencies utilize radio systems that are owned/licensed by Sawyer County as well as a statewide digital trunked system (known as WISCOM) which is owned/operated by the State of Wisconsin between the departments of Wisconsin Emergency Management (known as WEM), Wisconsin Department of Justice (known as DOJ), and Wisconsin Department of Transportation (known as DOT); and,

WHEREAS, in order to keep system integrity in place and have the radio system function properly, Sawyer County Communications System Specialist shall maintain a pre-authorized list of radios to use, and update the authorized list as needed; and,

WHEREAS, the radio meets an industry standard that meets accepted operation or performance on either an analog or digital (APCO25) based system; and,

WHEREAS, it is important to know who has radios on the system and allowing the radios to be remotely disabled or stunned to prevent unauthorized usage or operation regardless of which system (Sawyer County or WISCOM) they operate on; and,

WHEREAS, if a radio needs to be disabled from usage on either system (known as being stunned or killed) all efforts to contact the agency or department head that the radio is assigned to will be made; and,

WHEREAS, if the agency or department head cannot be reached, does not know the whereabouts of the radio, or a threat to system security is possible or causes interference and danger to communications the radio can be disabled; and,

WHEREAS, the Sheriff of Sawyer County will contact the primary Sawyer County WISCOM manager to request the radio to be disabled, that person will then contact WISCOM to submit the request; and,

WHEREAS, if the radio is disabled then it will only be enabled once again after it has been verified by the Sawyer County WISCOM manager and WISCOM feels that it will not cause the harmful operation or interference that it had been creating; and,

WHEREAS, if the agency or department head is unable to be reached and secure the radio ceasing it from improper operation the radio will not be re-enabled for operation on the system.

THEREFORE, BE IT RESOLVED, that the Sawyer County Board of Supervisors does hereby approve the Approved Radio List and Authorization, Exhibit A; and

47 BE IT FURTHER RESOLVED,

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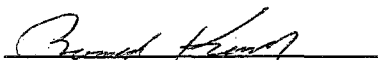
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FISCAL IMPACT: None

50 Recommended for adoption by the Sawyer County Administration Committee this 19th day of
51 October, 2017.

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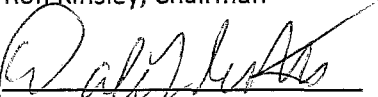
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54 Ron Kinsley, Chairman

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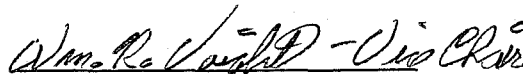
57 Dale Schleeter, Member

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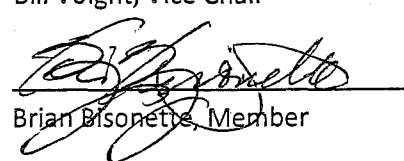
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60 Kathy McCoy, Member



Bill Voight, Vice Chair



Brian Bisonette, Member

Approved Radio List and Authorization

The following radios have been tested and approved by the State of Wisconsin for WISCOM usage which would meet and satisfy the radio requirements of working on the Sawyer County System. The radios are (the ones in bold are what the county can currently support):

EF Johnson -

- 5100 Series (5100 ES/51SL ES)**
- VP400 Series
- VP600 Series**
- VP900 Series
- VP5230 Series**
- 5300 Series (5300 ES/53SL ES)**
- VM400 Series
- VM600 Series**
- VM900 Series**

Motorola -

- XTS Series (1500/2500/5000)**
- XTL Series (1500/2500/5000)**
- APX Series (1000/1500/4000/4500/6000/6500/7000/7500/8000)**

Kenwood -

- TK52x0 Series (with required new firmware)**
- TK57x0 Series (with required new firmware)**

Harris -

- P5400 Series
- P5500 Series
- Unity XG75, XG100
- M7100 Series
- M7300 Series

Icom -

- F9011
- F9511

ReIm/KING -

- KNG P150
- KNG M150
- KNG B150

Tait -

- TP9100
- TP9400
- TM9100
- TM9400

Approved Radio List and Authorization

If the radio is not listed above then it should meet certain specifications which are industry standards. These standards (for portables and mobiles) are as follows:

Operational Bandwidth	136-174 MHz
Channel Spacing	12.5/25 kHz
Channel Steps	2.5/5/6.25/8.33/10/12.5/15/20/25
Channel Capacity (Minimum)	96
Transmit Output Power	4 watts or greater (unless specific purpose)
Modulation Limiting on 12.5 kHz ch.	± 2.5 kHz
Radio STUN/KILL Function	DTMF capable (if not digital)
FCC Identification	Registered, affixed to radio
FCC Certification	Compliant for FCC Part 90 frequency operation

All radios need to have a STUN/KILL feature installed in them and either needs to be DTMF (preferred). If able to operate on the WISCOM System then the ability to STUN/KILL them via the system is already installed.

All personal radios must be approved by the agency or department head with the exact channels that will be in the radio. Personal radio authorization usage on any Sawyer County frequencies/channels/talkgroups can be cancelled at anytime for any purpose, especially if the continued usage can impair or present dangers to system operation. Personal radios should also be available for inspection and only programmed via authorized means or vendors.