



The WV Statewide Interoperable Radio Network (SIRN) is a collaborative effort by state, county, and municipal public safety entities to establish and maintain a statewide interoperable radio network for emergency services

### STATEWIDE INTEROPERABILITY EXECUTIVE COMMITTEE (SIEC)

The SIEC met on March 8, 2016 at the SIRN Conference at MedComm Flatwoods, WV. The meeting was called to order and a quorum established by Bobby Hoge – Vice Chairman. **Membership:** Absent -

WV HOMELAND SECURITY AND EMERGENCY MANAGEMENT	WV STATEWIDE INTEROPERABILITY COORDINATOR	HOMELAND SECURITY/FIRST RESPONDER/EMS	HOMELAND SECURITY/FIRST RESPONDER/EMS	WV DEPARTMENT OF HEALTH AND HUMAN RESOURCES	WV COUNTY COMMISSION ASSOCIATION	WV ASSOCIATION OF PUBLIC-SAFETY COMMUNICATIONS
Jimmy Gianato	GE McCabe	Dave Erwin Chairman Proxy Jim Mangus	BOB HOGE VICE CHAIRMAN	MELISSA RAYNES	VIVIAN PARSONS	DAVE SAFFEL
WV NATURAL RESOURCE POLICE	WV PARKWAYS AUTHORITY	WV FIRE MARSHALL'S OFFICE	WV STATE POLICE	ZONE 3 - SWITCH AGENCY	WV SHERIFF'S ASSOCIATION	DEPARTMENT OF TRANSPORTATION
STEVE ANTOLIN Proxy Bobby Hoge	TYRONE GORE	BOB SHARP Proxy Tim Provaznik	BILL SCOTT Proxy JEFF PERRY	LOU VARGO	JOHN RUTHERFORD	CHUCK RUNYON Proxy Dirk Burnside
WV HOUSE OF DELEGATES	WV E-911 COUNCIL	WV EMERGENCY MANAGER ASSOCIATION	WC NATIONAL GUARD	WV OFFICE OF TECHNOLOGY	WV SENATE	WV MUNICIPAL LEAGUE
OPEN	Paul Bump	RC FAULK Proxy Steve Vittoe	JODY OGLE	GALE GIVENS	WILLIAM LAIRD	LISA DOOLEY
REGION 1 RIC CHAIRPERSON	REGION 2 RIC CHAIRPERSON	REGION 3 RIC CHAIRPERSON	REGION 4 RIC CHAIRPERSON	REGION 5 RIC CHAIRPERSON	REGION 6 RIC CHAIRPERSON	HOMELAND SECURITY/FIRST RESPONDER/EMS
ROY MCCALLISTER	TOM HART	JEFF POLCZYNSKI	DIRK BURNSIDE	RODNEY EVANS	STEVE VITTOE	TBD

#### RADIO PROGRAMMING TRAINING

The SIEC is currently working on a Radio Programming Training Schedule for 2016. Our plan is to offer courses across the state based on demand. You may register to attend classes anywhere they are offered based on class size and availability. Please reach out to your RIC Chairman to request a class. If you can host a class; please inform a RIC chairman.

**Registration:** <https://apps.wv.gov/as/sirn>

#### 2016 WV Statewide Interoperable Radio

#### Network Conference (SIRN)

September 25-29, 2016

Camp Dawson - Kingwood, WV

**WV COML and Radio Programming Training**

#### SIRN - STAYING IN TOUCH IN 2016!

We're on the Web! [www.sirn.wv.gov](http://www.sirn.wv.gov)



Here is the link to the FirstNet website: <http://www.firstnet.gov>

# WV SIRN Newsletter

2016 SIRN Radio Programmer Training and Recertification			
Date	Radio	Instructor	Location
June 16, 2016	Motorola XTS & XTL	Rodney Evans	Mercer County 911
July 14, 2016	Motorola APX	Rodney Evans	Raleigh County 911
September 28	Motorola XTS & XTL	Paul Bump	SIRN Conference
September 28	Kenwood NX/30	Dave Erwin	SIRN Conference
September 28	Motorola APX	Dave Saffel	SIRN Conference
September 28	Kenwood 10	Rodney Evans	SIRN Conference
September 29	Kenwood 10	Paul Bump	SIRN Conference
September 29	Kenwood NX/30	Dave Erwin	SIRN Conference
September 29	Motorola APX	Dave Saffel	SIRN Conference
September 29	Kenwood 20	Rodney Evans	SIRN Conference
Other courses maybe added based on need and requests please contact your RIC Chairman or SIRN - <a href="http://www.sirn.wv.gov">www.sirn.wv.gov</a>			

## Information:

- “How to become a SIRN Programmer” can be found at the WV SIRN website: [www.sirn.wv.gov](http://www.sirn.wv.gov)
- [WV SIRN Programmer Information](#)

## Requirements:

- **Forms to be submitted, processed, and approved by the SWIC, GE McCabe before participant can attend training:**
  - [WV SIRN Radio Programmer Application](#)
  - [WV SIRN Programming Security Agreement](#)
- **Form to be completed by programmer and signed by trainer after class:**
  - [WV SIRN Radio Programmer Training Certification Form](#)
- Laptop, Radio, Cables, and **Current** Software (software **must be** loaded on your laptop before class)
- **Class Registration form:** Attached or [Radio Programmer Training Registration Form](#)

## SIRN Discussion Points:

### Programming - Current Versioning

- Motorola APX 14.01.00- Portable Firmware 14.51.00 – Mobile Firmware 14.51.00
- Motorola CPS 20.01.00 – Firmware 20.50.07
- Kenwood – KPG-95DGN v 8.23 (10 Series)
- Kenwood – KPG-112DN V2.33 (20 Series)
- Kenwood – KPG-D1N V1.71 (NX-5X00 Series & 30 Series)

### Important Technical Information

Channel ID Plan	3	4	5
Bandwidth	12.5 kHz	12.5kHz	12.5 kHz
Transmit Offset Sign	+	+	+
Transmit Offset MHz	5 MHz	5 MHz	9 MHz
Channel Spacing	12.5 kHz	6.25 kHz	6.25 kHz
Base Frequency	453.025 MHz	450.000 MHz	400MHz

**NOTE: This information has change!!!!**

### Important Kenwood Programming Information

- Check Background Hunt and RSSI CC Hunt
- BER = 4.0 (default)
- Hunt Start Time (Hunt) = 300
- Hunt Start Time (Idle) = Not changeable version 2
- Acceptable RSSI Level = -108 (default)
- Good RSSI = -88 (default)
- LM1 = 0 (default)
- Home RFSS = FE
- Home Site = FE
- (FE disables the radio from trying to look for a Home RFSS and Home)
- PTT Release Hunt = unchecked
- Hunt Option > Slot = 99 (insures all adjacent sites are searched)
- Hunt Option > Sampling Rate = 7 (number of adjacent sites)

Motorola XTS/XTL/APX radios 4th character in the model number represents the frequency band of operation as follows in single band radios:

- K = VHF
- Q = UHF Region 1 (380-470)
- S = UHF Region 2 (450-520 Mhz)
- U = 700/800 Mhz
- W = 900 Mhz

Site Updates - WVSIRN – Wares Ridge – Working with Premier Tower

# WV SIRN Newsletter

Presentation by Allen Holder regarding installation of a new tower near the current Porters Knob. Technical Committee agreed to recommend approval to build that tower and potentially move to the new site.

Keeney Mt. generator pad is sinking. Need to make some determinations if the tower is involved.

Installation of patching is suspended due to a patch induced failure of a server that now needs repaired. We do not have an additional spare server, and any subsequent failures would lead to an outage. G.E. McCabe is going to contact Peter Marotta regarding repair of this item.

Request in southern part of the state to have a group of Ham Radios be allowed on SIRN sites of Lick Knob and Keeney Mt. They also are interested in installing a digital system. It is the recommendation of this group that we allow no unsupervised access to our buildings, any climbing of structures will only be accomplished by certified and insured climbers, and anything that would be installed on a SIRN site would be analog operation available for open emergency communications as needed. All approval will be on a case by case basis, and shall be to standards approved by the site owner.

Permission granted for a camera and subscriber module to be placed on the Weirton tower with the agreement that no interference will be caused to any equipment already located at that site in cooperation with Ohio/Brooke Counties in WV.

## Training

- SCIP workshop held June 14, 2016 hosted by OEC.
- WV Communication Leader –(WV COML) class to held at the SIRN Conference
- Radio Programming Classes to be held

June 16	Motorola XTS & XTL	Rodney Evans	Mercer County
July 14	Motorola APX	Rodney Evans	Fayette County

## Broadband/FirstNet

### FirstNet

- Lori Stone, FirstNet will attend July 2016 SIEC and Broadband Meetings.
- Lori Stone will present FirstNet Updates at the SIRN Conference
- FirstNet flyers will be distributed in all the attendees' at the WV Safety Expo
- July 13th – FirstNet and members of the Broadband Committee will attend a meeting at Greenbank to discuss issues with FirstNet and the Quiet Zone.

## SIRN Planning

1. Grant money may be reduced for the 2016 – 2017 SIEC Meetings
2. OEC Technical Assistance Workshop will be held at the 911 Conference in September at Canaan at the APCO Conference
3. SCIP workshop rescheduled to June 14 to accommodate OEC request at the MedComm center in Flatwoods.
4. Jimmy Gianato, GE McCabe, and Jody Ogle attending NGA meeting to receive grant on “Governance Interoperable” competitive grant
5. RC Faulk reported that site access has be completed for Mason County
6. Need to look at changing core locks at tower sites

## WV Communications Unit Leader (COM-L) Course available at the WV SIRN Conference

September 25 - 29, 2016

Register when you register for the conference!



### An Enduring Network for Public Safety

April 18, 2016 | By Mike Poth, FirstNet Chief Executive Officer

April 18, 2016



FirstNet CEO Mike Poth: We will encourage innovation that will bring better applications, devices, and services to the public safety community over the NPSBN

*By Mike Poth, FirstNet Chief Executive Officer*

A lot of hard work has gone into getting us to this point, and I am appreciative of all of the people that have assisted us, including public safety leaders who advocated for the network, our own Public Safety Advisory Committee, state, territory, tribal, and local participants including the FirstNet state single point of contacts, FirstNet's Board and personnel, folks on Capitol Hill and at the White House, and many others.

We have also had tremendous assistance from the U.S. Department of Commerce, the National Telecommunications and Information Administration and other federal agencies, including the Federal Communications Commission, the U.S. Office of Management and Budget, the Defense Information Systems Agency, the Department of the Interior, the Department of

Homeland Security, and the Department of Justice. At this stage there is still a lot of work to do, but through an open and competitive RFP process, we are more confident than ever of success.

FirstNet's mission under the Middle Class Tax Relief and Job Creation Act of 2012 (the Act) is to ensure the establishment of the NPSBN. In order to achieve this goal, the network must be a robust and enduring tool for the public safety community. FirstNet must ensure that the network is operated, maintained and improved throughout its lifetime, including taking a leadership role in the establishment of new technology and services on behalf of our stakeholders, the public safety community.

We do not know today what technology the public safety community may require 20 years from now to carry out its mission. But we can, and are, planning for the future of the network. At FirstNet, we want to be ready for and encourage innovation that will bring better applications, devices and services to the public safety community, and we want to invest in the NPSBN to ensure its readiness for whatever may come.

How do we do this?

Under the Act, Congress provided FirstNet alone the ability to collect and retain funds for the purpose of making expenditures to support the NPSBN. Indeed, the Act specifically requires such reinvestment. As such, only FirstNet is authorized to utilize these funds and they are not subject to re-allocation from FirstNet for any other purposes. These amounts will be used to pay FirstNet's overhead costs, for reinvestment in the NPSBN, and, more generally, to support advances or enhancements in public safety communications. This means that FirstNet will continue to operate even in the case of a government-wide shutdown resulting from any delay in approving the annual appropriations bills and makes available a long-term funding stream to provide confidence to NPSBN stakeholders that the network will endure.

The funding resilience that the Act provides is an important aspect of fulfilling FirstNet's mission. That mission also requires that the NPSBN be robust, hardened, and enduring. The FirstNet network must be a long term tool for the public safety community, and services provided through the network must continue to be meaningful and meet the needs of public safety now and in the future.

To achieve these requirements, FirstNet has and will continue to take steps to ensure the longevity and relevance of the NPSBN for the public safety community. For example, with renewals, the term of the agreement resulting from the NPSBN RFP is anticipated to be up to 25 years, which will allow the awardee to confidently invest in the network and in the provision of services to the public safety community, while also serving its commercial users with excess network capacity. Market forces will undoubtedly self-mandate continued awardee investment and upgrades in the network, including implementation of 3GPP standards and other standards as they develop and advance throughout the life of the network.

In addition, under the Act, FirstNet is able to collect amounts to advance or enhance public safety communications, while certain resources collected by FirstNet, such as fees collected under the agreement with the NPSBN awardee in excess of FirstNet's overhead costs, are specifically earmarked under the Act for "constructing, maintaining, operating, or improving" the NPSBN. This means that the public-private arrangements anticipated under the Act will promote the enduring nature of the NPSBN through direct reinvestment in the network throughout its lifetime.

It is by statutory design that the NPSBN will be an enduring tool for the public safety community. In passing the legislation, Congress understood, and in fact designed, the unique relationships between FirstNet, the awardee, the network, and the reinvestment of funds resulting from use of the spectrum by the awardee, to ensure network that will be managed and operated for public safety to keep the American people safe and secure for decades to come.