



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 May 12, 2015 in Flatwoods, WV at the MedComm Center. The meeting was called to order and a quorum established by Robert Hoge, SIEC Vice Chairman. **Membership:** Absent - ■

WV HOMELAND SECURITY AND EMERGENCY	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	BOB HOGE VICE CHAIRMAN	MELISSA KINAIRD	CYNTHIA PYLES	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 Antolini	TYRONE GORE	TIM PROVAZNIK	BILL SCOTT	LOU VARGO	JOHN RUTHERFORD	CHUCK RUNYON
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	PAT CHARD	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	MIKE WOLFE	JEFF POLCZYNSKI	DIRK BURNSIDE	RODNEY EVANS	STEVE VITITOE	TBD

### SIRN - STAYING IN TOUCH IN 2015!

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

#### VISIT THE SIRN WEBSITE FOR:

- INFORMATION
- NEWSLETTERS
- FORMS and SOPs
- CONFERENCE UPDATES
- UPCOMING EVENTS

### FirstNet

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

West Virginia's FirstNet Initial Meeting was held May 5<sup>th</sup> at the Charleston Civic Center.

FirstNet Information: <http://firstnet.gov/network>

### Technical Committee - Dave Saffel

- The Regional Talk Groups will stay statewide. After lengthy discussion it was decided it would be contrary to interoperability to regionalize them.
- Renewal & administration licenses
  - i. The committee determined that Bill Wood takes care of all Microwave, LMR, and Renewals of licenses.
- Digital scanners
  - There is a manufacturer that has a digital radio scanner now that will do Phase I and II P25, but additionally Mototurbo, NXDN, and others
- Equipment Testing
  - The SIEC approved the APX 1000 Portable radio to Level-3. Radio has only 512 channels and won't do multi-key encryption or AES encryption, only the ADP Motorola encryption.

### Programming - Current Versioning

- Motorola APX 13.01.00 Portable Firmware 13.05.00 – Mobile Firmware 13.05.00
- Motorola CPS 20.01.00 – Firmware 20.50.05

- Kenwood – KPG-95DGN v 8.10 (10 Series)
- Kenwood – KPG-112DN V2.2 (20 Series)
- Kenwood – KPG-D1N V1.4 (NX-5X00 Series)

### Important Kenwood Programming Information

- Set to Background Hunt and RSSI CC Hunt
- BER = 6.5
- Hunt Start Time (Idle) = 5000
- Good RSSI = -100
- LM1 = 6
- Home RFSS = FE
- Home Site = FE
- (FE basically disables the radio from trying to look for a Home RFSS and Home)
- PTT Release Hunt = unchecked

Important Technical Information	Channel ID Plan	3	4	5
	Bandwidth	12.5 kHz	12.5 kHz	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	400 MHz

### Training, Education, and Exercise Committee - RC Faulk

The SIEC Training, Education, and Exercise Committee continues to work on the WV COML course. An AuxComm Chapter was added and Dirk Burnside will oversee it. The Training Committee is seeking continuing education credits for the course.

The Training Committee discussed “Hospital Radio” training. This may be addressed on a per hospital basis. The WV Hospital Association will be invited to the SIRN Conference.

### Policy and Procedure Committee - Rodney Evans

Radio Programming training and recertification training development continues. The Training Committee discussed the need for training to be more radio specific. SIEC is planning on offering Model specific training at the conference.

Policy Committee continues to work on Tower Site Security Policies.

### Planning Committee - Bobby Hoge

- SIEC elections will be held in July. The SIEC also needs to appoint a new Broadband Committee Chair as Pat Chard has been promoted to a new position.
- The WVNG is working on funding for Martinsburg Air Base to the Blue Ridge SIRN site for Microwave connectivity
- Lewisburg site– working on climbing status and equipment funding.

- The Yeager site has applied for frequencies.
- The Kanawha County Ambulance Authority is testing ALS coverage for utilization
- Roads
  - i. GE McCabe has contacted land owner at the Workman Tower site and the situation is unresolvable. As a result the old road must be used. Chuck Runyon will work with GE, Greg Lay and Dave Eubank to determine if the old road is fixable or if we need to look for new site.
- The SIEC approved the following:
  - i. To advertise for the installation of Microwave paths for Elgood and Beaver Falls. The Tower Maintenance Funds to be utilized.
  - ii. Applications for participation on the SIRN
    - Washington County, OH Sherriff Office
    - City of Wheeling – Mission Critical

### Conference Committee -Tyrone Gore

- 2015 SIRN Conferences dates are September 27 – September 30, 2015 and will be held at Camp Dawson.
- The SIEC approved adding an additional “Bonus Day” to the conference. Registration fees will not increase!
- Online registration is set to begin on July 1, 2015.
- Monday Night Football will be a pizza and wing event again!

#### Agenda

- The Conference agenda has been started and the Conference Committee is requesting suggestions for topics.
- A “New Agenda” for repeat attendees is being developed as well as repeating courses for new attendees.
- The OEC will hold Technical Assistance training during the conference. It is titled “Interoperable Radio Training”.
- Radio Programming Training and Recertification Training
- Participants need to bring radios.

### Broadband/FirstNet - Pat Chard

- The SIEC will be providing a “FirstNet update” at the Emergency Managers Conference at Canaan in June.

WV's FirstNet Initial Consultation Meeting was held May 5th (same week as Public Safety Expo) at the Charleston Civic Center. The meeting was by invitation only and was successfully attended by a diverse group of 62 participants. The meeting included West Virginia government officials, FirstNet representatives, first responders, local, regional, federal, and state representatives; and key stakeholders.

#### **FirstNet:**

- Signed into law on February 22, 2012, the Middle Class Tax Relief and Job Creation Act created FirstNet. The law gives FirstNet the duty to ensure the building, deployment, and operation of the first nationwide public safety broadband network. FirstNet will provide a single interoperable platform for public safety communications.
- FirstNet's goal is improve citizen safety and provide first responders, the public safety community, and key stakeholders with dedicated, highly reliable, nationwide wireless data services and to be cost effective. FirstNet plans to create a nationwide standard of service while affording localized customization and control.
- FirstNet's goal is to offer a single communications network which can be used to dispatch EMS personnel, a medical helicopter, police officers, and fire personnel from different jurisdictions all at the same time, utilizing voice, video, and data at broadband speeds.

- We need your collaboration to identify opportunities, needs, and issues to successfully integrate West Virginia’s current Statewide Interoperability Network (SIRN) with FirstNet’s plan to create a cutting edge Nationwide Public Safety Broadband Communications Network in West Virginia.
- FirstNet gave some next steps for the Phase 2 “Data Collection”.
- The Opt-In/Opt-out is still to be determined for West Virginia.

Pat Chard, the Broadband Committee Chairman has received a promotion and Jody Ogle will replace him at the WV National Guard

**FirstNet sheds light on financial challenges during Industry Day Event**

Donny Jackson May 15, 2015

- [FirstNet sheds light on financial challenges during Industry Day event](#)  
 FirstNet is seeking partnerships that ensure the nationwide public-safety broadband network is financially sustainable in the long term and provides first responders with “the best price possible” for service, officials said during a meeting yesterday with attendees interested in responding to the FirstNet draft RFP.

Industry observers have varied opinions about the value of the excess broadband capacity on the [FirstNet](#) system, with skeptics stating that the potential value is diminished greatly by the fact that commercial users can be preempted by public-safety users during times of emergency. But others are more optimistic, noting that an emergency typically would affect capacity only on one cell sector, so most commercial users would not be noticeably impacted.

Quinlan said the demand for spectrum is high, citing the recently completed AWS-3 auction that generated more than \$40 billion in revenue for the U.S. Treasury.

“If we just adjusted for the size of FirstNet’s excess capacity, it would equate to \$17 billion,” Quinlan said. “I’m not saying that that is the value *per se*, but it’s a good benchmark to keep in mind.”

Quinlan said other advantages that secondary use of FirstNet’s spectrum capacity can offer include:

- FirstNet does not require a lump-sum, upfront payment, so value could be derived over time through cash or in-kind benefits;
- FirstNet’s spectrum is largely unencumbered and is “potentially immediately available upon award,” whereas AWS-3 and TV spectrum that is scheduled to be auctioned next year will take more time to be cleared and secondary-market spectrum transactions also can take years to execute; and
- FirstNet’s 700 MHz spectrum “is considered ideal, both for coverage and data capacity” and historically has been greater than the AWS-3 airwaves.

Throughout the Industry Day event, FirstNet officials reiterated the need to provide a financially sustainable network and that bid proposals would be evaluated based on how they would impact FirstNet’s ability to provide public safety with a nationwide broadband network.

Of course, the law creating FirstNet mandates that states and territories will have the option to “opt out” of the FirstNet system, which means the “opt out” jurisdiction would deploy the radio access network (RAN) within its territory and integrate it within the larger FirstNet system. In a recent proceeding, several states questioned FirstNet’s preliminary legal interpretation that revenues generated within an opt-out state should be available for use in other parts of the country.

Quinlan said that federal laws require FirstNet has to be deemed financially sustainable “before we can award a solution, contract or contracts.” Given this criteria and the potential impact that opt-out decisions in key states could have on FirstNet’s overall financial model, one attendee asked whether FirstNet would wait until opt-out decision were made before awarding a contract.

**The 2015 West Virginia Statewide Communication Interoperability Plan (SCIP)** was approved by the SIEC and can be found in its entirety on the SIRN website.

The WV SCIP is a stakeholder-driven, multi-jurisdictional, and multi-disciplinary statewide strategic plan to enhance interoperable and emergency communications. The SCIP is a critical mid-range (three to five year) strategic planning tool to help West Virginia prioritize resources, strengthen governance, identify future investments, and address interoperability gaps.

The purpose of the West Virginia SCIP is to:

- Provide the strategic direction and alignment for those responsible for interoperable and emergency communications at the State, regional, local, and tribal levels.
- Explain to leadership and elected officials the vision for interoperable and emergency communications and demonstrate the need for funding.
- Guide public safety communications and solve interoperability within the State.
- Encourage the development of interoperable emergency communications guidelines, common standards, and procedures.
- Develop and provide training, education, and outreach for interoperable communications that can be used by all entities statewide.

The following are West Virginia's Vision and Mission for improving emergency communications operability, interoperability, and continuity of communications statewide.

**Vision:**

To coordinate resources and improve statewide public safety wireless communications interoperability; to establish and develop policies and guidelines, and identify technology and standards affording the citizens of West Virginia safety and enhanced response thereby protecting life, limb, and property.

**Mission:**

To establish, maintain, and facilitate interoperable communications for public safety in West Virginia.