



# West Virginia Statewide Interoperability Executive Committee Meeting Minutes

<b>Date: July 8, 2024</b>	<b>Time: 13:39</b>	<b>Location: RETI Flatwoods</b>
Meeting Called to Order By: Bobby Hoge		

## SIEC Membership & Participation

(X – Present; Blank – Absent; X-CC – Present via Conference Call)

Mangus, Jim	X	RIC 1 Chairman
Hart, Tom	CC	RIC 2 Chairman
Polczynski, Jeff		RIC 3 Chairman
Tice, Brandon	CC	RIC 4 Chairman
Zilinski, John	CC	RIC 5 Chairman
Vititoe, Steve	X	RIC 6 Chairman
Saffel, Dave	X	WV APCO
Cadle, Pat		WV County Commission Association
Mccabe, GE	CC	WV DEM Director
Wriston, Jimmie	CC Proxy – Pat Shea	WV Department of Transportation
White, Mikyle	Proxy – Bob Hoge	WV E-911 Council
Rose, Richard	CC	WV Emergency Management Council
Ratliff, Jody		WV Health & Human Resources
Blosser, Travis	Proxy – Dave Erwin	WV Municipal League
Crane, Bill	Proxy – Danny Kirby	WV National Guard
Abbott, Heather		WV Office of Technology
Miller, Jeffrey	CC Proxy – Tyrone Gore	WV Parkways Authority
Howard, Tom		WV Sheriff's Association
Tyree, Ken		WV State Fire Marshal
Chambers, Jack	CC Proxy – Nathan Sayre	WV State Police
McConnell, Dustyn	X	WV SWIC
Bump, Paul		WV Zone 1 Switch Agency
Vargo, Lou	CC	WV Zone 3 Switch Agency

## Additional Participants

(X – Present; Blank – Absent; X-CC – Present via Conference Call)

RC Faulk	X	Assistant SWIC
Michael Mayhorn	CC	911 Council
Steven Singer	CC	CISA
Mike Spangler	CC	DNR
Roy McCallister	CC	RIC 1
Dirk Burnside	X	Technical Committee
Tony Novel	X	RIC 2
David O'Brien	X	Kanawha 911
Jeff Perry	X	EMD



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Brooke Hess	X	Loudoun County Fire/Rescue
Fred Kinder	X	Technical Committee

Previous Minutes Reviewed and Approved

- **Motion:**      **Jim Mangus**
- **Second:**     **Tony Novel**
- **Motion:**      **Passed**

## Technical Committee Report – Dave Saffel

- Programming
  - Current Versioning –
    - Motorola APX CPS R33.04.00 2024.1 Baseline Release 06/17/2024 – FW R33.04.00 2024.1 Baseline Release 06/17/2024
    - Motorola APX Next – FW 06.04.00 2024.1 Baseline Release – 06/17/2024
    - Motorola CPS 20.01.00 – Firmware 20.50.10
    - Kenwood – KPG-95DGN v 8.30 (10 Series) Firmware – 4.43 (v2) 6.14 (v3)
    - Kenwood – KPG-112DN V2.33 (20 Series) Firmware 2.21
    - Kenwood – KPG-D1N 5.10 (NX-5X00 & 30 Series)–Firmware 5.14 - fixes TDMA
    - Armada - 1.42.15 – 05/31/2024
- Testing – Tait continues to be tested
- Modifications to the Combined Radio Requirements & Approved Equipment List
  - Discussion, all radios will be required to have **P25 Radio Authentication (Link Layer Authentication)** active in order to be added to the system. Any radio not capable of having **P25 Radio Authentication (Link Layer Authentication)** will not be assigned a radio ID. Individuals must be cautious to not purchase used radios that do not have this option installed and active
    - Motion was made by Dave Erwin to cause Link Layer Authentication to be mandatory in any radio purchased after June 30, 2025. Second by Tony Novel. No one opposed. It is encouraged that any radio purchased after today (July 8, 2024) be equipped with Link Layer Authentication at the time of purchase.
- Marshals Service - 2 new talkgroup requests for operations in the south that match the talkgroup schema in the north. Motion by Jim Mangus, Second by Dave Erwin. No one opposed



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- HealthNet - ground service request talkgroup creation for each ground base to dispatch using the same setup and restricted operational footprint as we created for the helicopters. This is restricted to one tower and one talkgroup per location. Any impact on the system will require potential modification to this award. Motion to approve by Dave Erwin, Second by Tony Novel. Steve Vititoe and John Zilinski Opposed. Passed.

### Important Technical Information

Channel ID Plan	<del>3</del> <del>FDMA</del> No longer in use	4 FDMA	5 FDMA	6 TDMA	7 TDMA
Bandwidth	12.5 kHz	12.5 kHz	12.5 kHz	6.25 kHz	6.25 kHz
Transmit Offset Sign	+	+	+	+	+
Transmit Offset MHz	<del>5 MHz</del>	5 MHz	9 MHz	5 MHz	5 MHz
Channel Spacing	12.5 kHz	6.25 kHz	6.25 kHz	6.25 kHz	6.25 kHz
Base Frequency	<del>453.025 MHz</del>	450MHz	400 MHz	450MHz	460MHz

### Important Kenwood Programming information (UPDATED 04/12/16):

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 (ensures all adjacent sites are searched)

Hunt Option > Sampling Rate = 7 (number of adjacent sites)

### Cyber Security Sub-Committee Report – Danny Kirby

- Danny Kirby presented on password hacking and safe internet practices.

### Policy and Procedures Committee Report – John Zilinski



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## Training/Education/Outreach Committee Report – Bobby Palmer

- Did not meet today.

## Conference Committee Report – Steve Vititoe

- Committee reviewed the draft agenda and timing blocks for sessions thus far.

## Planning Committee Report – Bobby Hoge

- 1 application for Participation for Vandalia/CAMC Police Department. Motion to approve Dave Erwin, second Danny Kirby; passed.
- Dingess AEP working on access to view property
- Adam talked to Mingo BOE and working on MOU for using FRN for potential licensing.
- Aviat licenses were modified away from Mercer 911 to the WVEMD.
- New vice chair will need to be voted on after Bobby Hoge retires.

## New & Emerging Technologies – Paul Bump

- Did not meet.

## RIC Region 1 Report – Jim Mangus

Kanawha, Clay, Putnam, Jackson, Roane, Calhoun, Ritchie, Wirt, Wood, and Pleasant

- Meeting minutes attached.

## RIC Region 2 Report – Tom Hart

Hancock, Brooke, Ohio, Marshall, Wetzel, Tyler, Doddridge, Harrison, Marion, Monongalia, Preston, Taylor

- Have not yet met since the last meeting.

## RIC Region 3 Report – Jeff Polczynski

Grant, Hardy, Hampshire, Berkeley, Jefferson, Mineral, Morgan

- Nothing reported.



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## **RIC Region 4 Report – Brandon Tice**

Pocahontas, Pendleton, Webster, Randolph, Tucker, Barbour, Upshur, Braxton, Gilmer, Lewis

- Brandon Tice reviewed new positions; Rick Gillespie is vice and Rob Doman from Randolph 911 is the recorder.
- Next meeting is August 13 at 10 with EMC meeting in Charleston.

## **RIC Region 5 Report – John Zilinski**

Mercer, McDowell, Wyoming, Raleigh, Summers, Monroe, Greenbrier, Nicholas, and Fayette

- Met on June 13<sup>th</sup> at McDowell.
- Will have to reschedule the current meeting.
- Nothing to report at this time.

## **RIC Region 6 Report – Steve Vititoe**

Cabell, Boone, Lincoln, Logan, Mason, Mingo

- Last met on June 27<sup>th</sup> and reviewed the SIEC meeting and LLA.
- Discussed county on-going projects.
- Lincoln county working on adding the TDMA for EMS use.
- Next meeting set for August 1 at 10am at Lincoln 911.

## **Business Conducted**

- Motorola did a presentation about the changes for the SUA. Current system version has support through January 2026, instead of the original ending in early 2025. Next upgrade is scheduled for March 2-13 of 2026. This will also allow for expansion of the system. System will enter freeze period in January of 2026. Following the next upgrade, the CCGW's on GGM's will be swapped out. Cheryl Elliott will provide slides for the SIEC and will visit with the 911 Council at RETI in September.
- Technical Committee recommends approval of all new talkgroup requests; 2<sup>nd</sup> by Danny Kirby; Motion passed.
- Technical Committee recommended moving forward with the LLA implementation on July 1, 2025; 2<sup>nd</sup> by Dave Saffel; Motion passed.



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- Next meeting:
  - **Date:** August 12, 2024
  - **Location:** RETI

Meeting adjournment.

- **Motion:** Dave Saffel
- **Second:** Jim Mangus
- **Motion:** Passed



West Virginia

# Statewide Interoperable Network Region-1 Interoperability Committee Meeting Minutes

May 23, 2024

Ripley VFD, Ripley, WV

## Opening:

The meeting was called to order at 10:06 AM by Jim Mangus, presiding chairman.

Jim Mangus explained the reason for the cancellation of the March meeting as a conflict in calendar appointments for the meeting place and the lack of furniture in the alternate (new training center) at that time.

Jim explained the importance of some of the “Maintenance Upgrade” emails that are being sent out as some of these sites will be completely off the air during these extensive upgrades.

## SIEC Meeting update:

The AVIAT upgrade is only 50% complete. There are many errors being generated by this system and AVIAT has a plan to reduce them. Completion of the microwave upgrade is estimated to be in Q1 of 2025.

## Technical Committee meeting:

Between the April and May SIEC meetings there were no firmware updates. Be sure to check the SIRN website for updates and approved equipment lists.

There are some radios available that have limited character displays. End users generally don't think these will work, so to discourage their use they will be bumped down to level 2 as far as purchasing.

## Link Layer Authentication (LLA):

This is needed for security from hacking and use of unauthorized radios. We are not sure when this will be implemented but will add an additional cost to each newly purchased radio. Those purchasing new radios should have this option included.

The new BKR 9000 radios will soon be on the approved equipment list.

The logo features a map of West Virginia divided into four colored regions: purple (northwest), green (east), blue (southwest), and orange (south).

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## **Cyber Security:**

First Net and AT&T are working with cell boosters in schools. There will be many cradle points and will use satellite as the backhaul.

## **SIRN Conference:**

September 29 - October 1, 2024 - Camp Dawson

**Jim Mangus** asked for recommendations for training courses needed for the conference. There was a group discussion about the need for training. The registration portal is open on the SIRN website.

## **Discussion:**

**Dustyn McConnell** explained Link Layer Authentication (LLA) as two-layer authentication for your radio. When a radio attempts to log on to the network it is required to respond with a key, serial number and radio ID which will all be evaluated with a database. If they don't match the radio will not be allowed to log on. This will protect from duplicate radio IDs, someone putting an unauthorized radio on the network and will assist in locating stolen or lost radios.

It's a hassle in that every radio needs to be registered, but when done the added benefits are worthwhile. My plan is to develop a "Go Kit" which will be a cradle point and KBL in a box. I won't have the system ready for a year or so and won't know the details until then.

**Roy McCallister** asked if LLA will work on some of the older radios. **Dustyn** indicated the LLA has been around for some time and is part of the P25 authentication. He noted that he has not yet checked all radios in the system for compliance.

**Dustyn** noted that there are 50,000 radios registered in the SIRN system and full authentication will probably be a ten-year project.

**Jim Mangus** asked about Motorola upgrades. **Dustyn** said that it had been pushed back to Q1 of 2026.

**Roy McCallister** asked for an update on the state contract. **Dustyn** noted that it is out and posted on the WV State purchasing website. This contract is for Motorola only. If anyone



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experiences problems with price gouging contact us and we will put pressure on the manufacturers.

## **Training Opportunities:**

**Jim Mangus** reported that Raleigh County has requested a COML Class. We are looking at the week of September 23<sup>rd</sup>.

SIAC will be hosting a TA for a Pace-Plan workshop. Dates have not been set yet. SIAC will also be hosting a Webinar on Cyber Security, again the dates are not set.

Every agency should have a Cyber Security Plan in place.

## **Agency Reports:**

### **Montana Boggess Dir Jackson County 911**

We will have the grand opening of the training center on June 1st at noon. We will have the family of Walt Smittle in as we are dedicating the building to him.

### **Detective Sergeant Baldwin Ripley Police**

Nothing to report.

### **Bill Davidson MOVHD**

Derick Wilson our Threat Preparedness Coordinator is in training and can't be with us today. We are still struggling to complete our SEGRA phone system. I had a report by someone in Ritchie County that their SIRN radio needed replaced as it wasn't working. Upon arrival I turned the volume up and it worked fine.

### **Ken Harris WCEC**

Still working on our 2.4 ghz system. We are going to try to get into Ritchie County by raising the antenna at sand hill. We also plan to get a unit up and running in Pleasants County.

Preparations are being made for Amateur Field Day, June 22-23 this year.



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**Larry Cook Jackson County ARC**

Also getting ready for Amateur Field Day. This is a unique area because of the amount of interference.

**Dustyn McConnell SWIC**

Nothing to add to the previous discussion.

**Jeremy Johnson WV Division of Forestry**

We have noticed there are a lot of dead areas when using portable radios. There was a discussion about the use of portable radios versus mobile units.

**Roy McCallister Co-Chairman RIC-1**

If you go to the EMD website there are still listed some ICS 300 classes available and possibly some ICS 400 after the first of the year.

**Anthony Canterbury ICS LHD Kanawha County Health (via phone)**

Nothing to report.

**Jim Mangus Chairman RIC-1 METRO 911**

We are doing structural analysis on six sites for Aviat upgrades.

Telecommunicators now can join a retirement system with EMS which has a 2.75% multiplier. We need at least 75% of Telecommunicators to join in.

The next meeting of RIC-1 will be Thursday July 18<sup>th</sup> at the Jackson County "New" Training Center. Beginning at 10:00 AM.

**Adjournment:**

**Jeremy Johnson** entertained a motion to adjourn which was seconded by **Dustyn McConnell**. The motion was carried, and the meeting was adjourned at 11:29.