



# West Virginia Statewide Interoperability Executive Committee Meeting Minutes

<b>Date:</b> 4/13/2021	<b>Time:</b> 14:14	<b>Location:</b> Online
Meeting Called To Order by Bobby Hoge		

## SIEC Membership & Participation

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

1	Bump, Paul	CC	WV Zone 1 Switch Agency
2	White, Byrd		WV Department of Transportation
3	Channell, Fred	CC	RIC 4 Chairman
4	Dooley, Lisa		WV Municipal League
5	Spence, Josh		WV Office of Technology
6	Zilinski, John	CC	RIC 5 Chairman
7	Miller, Jeffrey	Proxy Tyrone Gore	WV Parkways Authority
8	Hart, Tom	CC	RIC 2 Chairman
9	Tatum, Mike	Proxy Bobby Hoge	WV E-911 Council
10	Cahill, Jan		WV State Police
11	Neal, David	CC	WV SWIC
12	McCallister, Roy	CC	RIC 1 Chairman
13	Crane, Bill	Proxy Danny Kirby	WV National Guard
14	Stephens, Steve		WV Sheriff's Association
15	Piercy, Jennifer		WV County Commission Association
16	Polczynski, Jeff	CC	RIC 3 Chairman
17	Mills, Michael		WV Health & Human Resources
18	Saffel, Dave	CC	APCO
19	Tyree, Ken		WV State Fire Marshal
20	Mccabe, GE	Proxy Bobby Hoge	WVDEM Director
21	Vargo, Lou		WV Zone 3 Switch Agency
22	Vititoe, Steve	CC	RIC 6 Chairman
23	Meadows, Dean	Proxy Justin Wolfe	WV Emergency Management Council

## Non-SIEC Board Members Present

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

1	RC Faulk	CC	Assistant SWIC
2	Jim Mangus	CC	RIC 1
3	Dirk Burnside	CC	RIC 4
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Previous Minutes Reviewed and Approved

- **Motion:** Roy McCallister
- **Second:** Steve Vititoe
- **Motion:** Passed

## Technical Committee Report – Dave Saffel

- Equipment testing – None
- Programming
  - Current Versioning –
    - Motorola **APX 23.00.03** - MEGA Firmware **23.02.00**
      - **Firmware notes** – Do NOT use 23.02.00 when there is a **HARDWARE** ADP encryption board present. If there is any doubt, do NOT use this firmware.
      - **APX Tuner – R22.00.00 (Released November 2020)**
    - 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 4.31 (NX-5X00 & 30 Series)–Firmware 4.24
- System Managers Report – 1<sup>st</sup> quarter statistics
  - Total Call - 6,678,914
  - PTT's – 10,824,282
  - Busy – 9,120
  - Total Talk Time – 53,348 hours 3 minutes 57 seconds
  - Starting today Motorola is conducting Dispatch center audits.
- TDMA plan
  - St. Joes – Complete online and working as expected.
  - Weirton – It has been requested that Weirton be designated as a TDMA site which will complete the Northern Panhandle.
  - PK Mt.- Harrison County has been purchasing a huge quantity of TDMA so PK could very well be an excellent site to consider.
  - Blue Ridge – Jeff P indicates that there may be limited quantities of TDMA radios currently.
  - North Mountain (Berkeley)
  - Barkers Ridge
    - The following sites will be placed in pending status until further site licenses are available
      - Berkeley Springs
      - Harmony



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- **Committee recommends to proceed with the TDMA deployment plan as presented; 2<sup>nd</sup> by Justin Wolfe, Passed.**
  
- MCC Dispatch site applications - This subject fostered an excellent discussion that further led to the realization that we need to work on our policy regarding connection of consoles and other items to the system. There are two issues with connections that need to be determined. 1) What connectivity method is going to be used to the system. 2) Any connection to the system shall be in accordance to policy. 3) A determination of how to get those types of connections into the SUA system needs to occur.
  - Fayette 911
  - Veterans Admin – Martinsburg – Need a formal proposal of what they desire
  - Harrison County – Adding 5
  
- Weston – Will reach out to the new 911 director in that county about frequencies.
  
- There are several sites that are in need of additional channels. Currently, those sites are:
  - Catherine's – Application to be filed
    - **The committee recommends filing for additional frequencies for Catherines, Fred Channel 2<sup>nd</sup> the motion, Passed.**
  - Belleville - Luttamus group may be used here according to John Davis.
  - Keeney – Needs analysis.
  - Clover (Roane County) – 3 channels possibly with power reduced to 75 watts.
  - Confidence (Putnam Co) – 4 channels possibly if Putnam County would contribute 3 UHF channels that they currently have licensed.
  - Wallace – Paul Bump will reapply for frequencies that were previously licensed but lost due to lack of equipment being installed. Once antennas are on the tower and equipment in place, they will apply.
  
- Battery stack replacement status – Some sites are in process. They are going to install a new stack of batteries at Charlies Knob today. Haines will follow this. HCI provided details of stacks, shelters, and other configurations.
  
- Lick Knob –Tyrone any further information from the Coal Mine? – Responded back to the coal company. Mentioned that we looked at the sites provided but found that elevations were lower than our current site and further, lower than the maps they provided reflected. They were told that the two sites were too close. They requested a letter for a blasting permit and we would not do so until we finalize a new site. We are looking at an additional potential site near Whitesville.
  
- Microwave upgrades status – Aviat will be totally responsible for all licensing for Microwave including Construction build notifications.
  
- Next Motorola upgrade to A2020-21 – Master Sites week of 09/26/2022



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- Motorola NEXT radio – Charlie Bickford has requested a grant to purchase these radios for his fire department. They are NOT on the approved equipment list and will not be authorized on the system if purchased.
- Pendleton County – Pendleton County has a site issue that they have felt is the fact that it has Art Peters antennas. They indicated that it is not working as well as when it was installed and requested omnidirectional antennas be installed instead of Art Peters as the solution. Talks with NRAO (which involved SGRS as well) have led Dave Saffel to believe that the gains from Omnidirectional combined with the additional reduction in power would potentially not show significant increase in performance. As such, one thought was to check the tuning of their subscriber units to see if there might be an issue with them that would be causing the degraded performance.
- Level of Radios – Based on TDMA being introduced into our system more commonly, it is recommended that we analyze the radios on our Approved Equipment List to determine if they still qualify for the level of approval that they previously held. This will be an ongoing project for next month.
- RC Faulk reported that lightning had damaged some gear at the Malden site. A BRIM claim has been opened and RC Faulk is working with BRIM to finalize inspections and paperwork.

### Important Technical Information

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



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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)

## **Policy and Procedures Committee Report – Rodney Evans**

- Did not meet

## **Training/Education/Outreach Committee Report – RC Faulk**

- The virtual Federal COML course is filled. There were more students than could fit in the class, FEMA has “waitlisted” some.
- The list of 5 TA’s that were discussed at the previous SIEC meeting were submitted to CISA. We have been already awarded one of the TA’s
- West Virginia has been awarded an INCM Course TA
  - Dates are 8/23 – 8/26
  - Will be virtual, but no further details available yet; awaiting the scoping call
- SIRN will host an APX programming class on May 11<sup>th</sup> virtually

## **Conference Committee Report – Jeff Perry**

- Did not meet

## **Planning Committee Report – Bobby Hoge**

- The tunnel microwave was reported to be usable for spare parts, not economical to upgrade.
- Site Report Updates
  - Gilbert – preliminary path at 100 feet showed no connectivity
  - Hinton – interest from multiple parties, working through the exemption from Purchasing to work through contracts
  - Dingess – AEP is reviewing the paperwork
  - Horsepen – local office is overwhelmed and just now working through paperwork backlog
  - Gary – microwave reengineered with new radios and resubmitted for grant; frequency work continues; Working to finalize Crown Castle for the lease.
  - West Union – Doddridge/Ritchie – the site is complete except the fencing; equipment is in the building; request SIRN techs to install the site, can’t schedule Motorola until there are frequencies



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- Wileyville – Wetzel Co – has received the tower fund money and working with the land owner
- Princeton – still working on the property lease with WVAWC
- Valley – Tower fund grant was approved

## **New & Emerging Technologies – Paul Bump**

- Did not meet

## **RIC Region 1 Report – Roy McCallister**

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

- Last met on March 18, 2021
- Discussed legacy upgrades in Jackson County
- Approved RIC 1 bylaws
- Next meeting is May 20, 2021

## **RIC Region 2 Report – Tom Hart**

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

- Did not meet last month
- April 21 is next meeting

## **RIC Region 3 Report – Jeff Polczynski**

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

- No report

## **RIC Region 4 Report – Fred Channel**

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

- Did not have enough for a meeting
- Next meeting is set for April 20, 2021

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

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

- April 15, 2020 is the next meeting

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

Cabell, Boone, Lincoln, Logan, Mason, Mingo



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- Have not had a meeting due to membership being tied to COVID activities

## **Business Conducted**

- Dave Saffel asked about FCC notices coming to SIRN related to buildout for the original 50 hop upgrades. Aviat is supposed to be handling all of these as they occur. RC Faulk will contact Aviat to verify that everything is being handled and applications extended as necessary.

Meeting adjournment.

- **Motion:**       **Danny Kirby**
- **Second:**       **Dave Saffel**
- **Motion Passed**