West Virginia  
Statewide Interoperability Executive Committee  
Meeting Minutes

**Date:** 4-11-2022  
**Time:** 15:00  
**Location:** Online

Meeting Called To Order: Bobby Hoge

### SIEC Membership & Participation
(X – Present; Blank – Absent; X-CC – Present via Conference Call)

<table>
<thead>
<tr>
<th></th>
<th>Name</th>
<th>Proxy/Role</th>
<th>Organization/Agency</th>
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<tbody>
<tr>
<td>1</td>
<td>Bump, Paul</td>
<td>CC Proxy Patrick Shea</td>
<td>WV Zone 1 Switch Agency</td>
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<tr>
<td>2</td>
<td>White, Byrd</td>
<td>CC</td>
<td>WV Department of Transportation</td>
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<tr>
<td>3</td>
<td>Channell, Fred</td>
<td>CC</td>
<td>RIC 4 Chairman</td>
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<td>4</td>
<td>Dooley, Lisa</td>
<td>Proxy Dave Erwin</td>
<td>WV Municipal League</td>
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<td>5</td>
<td>Spence, Josh</td>
<td>Proxy James Dixon</td>
<td>WV Office of Technology</td>
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<tr>
<td>6</td>
<td>Zilinski, John</td>
<td>CC</td>
<td>RIC 5 Chairman</td>
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<tr>
<td>7</td>
<td>Miller, Jeffrey</td>
<td>CC Proxy Tyrone Gore</td>
<td>WV Parkways Authority</td>
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<td>8</td>
<td>Hart, Tom</td>
<td>CC</td>
<td>RIC 2 Chairman</td>
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<tr>
<td>9</td>
<td>Tatum, Mike</td>
<td>CC Proxy Bob Hoge</td>
<td>WV E-911 Council</td>
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<td>10</td>
<td>Cahill, Jan</td>
<td>CC Proxy Chris Shrader</td>
<td>WV State Police</td>
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<td>11</td>
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<td>WV SWIC</td>
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<td>12</td>
<td>McCallister, Roy</td>
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<tr>
<td>13</td>
<td>Crane, Bill</td>
<td>CC Proxy Danny Kirby</td>
<td>WV National Guard</td>
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<td>14</td>
<td>Stephens, Steve</td>
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<td>WV Sheriff's Association</td>
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<td>15</td>
<td>Percy, Jennifer</td>
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<td>WV County Commission Association</td>
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<tr>
<td>16</td>
<td>Polczynski, Jeff</td>
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<td>RIC 3 Chairman</td>
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<tr>
<td>17</td>
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<td>WV Health &amp; Human Resources</td>
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<td>18</td>
<td>Saffel, Dave</td>
<td>CC</td>
<td>APCO</td>
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<td>19</td>
<td>Tyree, Ken</td>
<td>CC Proxy Bobby Palmer</td>
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<td>McCabe, GE</td>
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<td>WVDEM Director</td>
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<td>Vargo, Lou</td>
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<td>Vititoe, Steve</td>
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<td>23</td>
<td>Meadows, Dean</td>
<td>Proxy Justin Wolfe</td>
<td>WV Emergency Management Council</td>
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### Non-SIEC Board Members Present
(X – Present; Blank – Absent; X-CC – Present via Conference Call)

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<tr>
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<tbody>
<tr>
<td>1</td>
<td>RC Faulk</td>
<td>CC (partial attendance)</td>
<td>Assistant SWIC</td>
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<td>2</td>
<td>Fred Kinder</td>
<td>CC</td>
<td>SIRN</td>
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<td>3</td>
<td>Dustyn McConnel</td>
<td>CC</td>
<td>Harrison County EMS</td>
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<td>4</td>
<td>Bill Wood</td>
<td>CC</td>
<td>SIRN</td>
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<td>5</td>
<td>David Obrien</td>
<td>CC</td>
<td>METRO 911</td>
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<td>6</td>
<td>Jim Mangus</td>
<td>CC</td>
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<td>7</td>
<td>Tony Novel</td>
<td>CC</td>
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<td>8</td>
<td>Jeff Perry</td>
<td>CC</td>
<td>EMD</td>
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<td>9</td>
<td>Alex Rayburn</td>
<td>CC</td>
<td>WVANG</td>
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Previous Minutes Reviewed and Approved
- **Motion:** Dave Saffel
- **Second:** Tom Hart
- **Motion:** Passed

**Technical Committee Report – Dave Saffel**

- Motorola provided a presentation on ISSI/CSSI
- Equipment testing – Loudon County Motorola NEXT radio (see below)
- Programming
  - Current Versioning –
    - Motorola **APX 26.00.00** - MEGA Firmware **26.03.00** as of 12/21/2021
    - **Firmware note** – 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 4.51 (NX-5X00 & 30 Series)–Firmware 4.51-adds their version of ADP to the radios if you get the license (no cost)
- System Managers Report – March
  - Calls = 2,278,872
  - Busy = 6,156
  - PTT = 3,652,528
- A7.18 System To Date
  - Calls = 43,807,280
  - Busy = 86,338
  - PTT = 79,250,414
- There is a new call-in number for SIRN Infrastructure Reporting – It is 833-767-7476 or 833-767-SIRN
- SIRN A2022 Upgrade Operations are underway
  - First Step is to enable the master sites to use Juniper routers
    - RC Faulk has completed the Juniper matrix for cabling for all three master sites and provided to Motorola
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- New Juniper routers will be delivered soon and RC Faulk will begin installation shortly afterward
- Junipers will be powered up and configured for Z1 and Z3 in June and Z2 in July. There is NO impact to call processing when this happens.
- These Junipers will allow new sites to use ethernet as Mark gets the network configurations updated as new sites come on
- There are several systems patches that RC Faulk will have to implement as well

- Zone Level Patching
  - Scheduled for April 25th and 26th – impact to operations only scheduled for the 26th; RC Faulk will distribute a flyer and notice to all user POC’s and Dispatch POC’s
  - April 25th is non-service affecting

- Site Status
  - RC Faulk has spent the last two weeks pre-programming much of the site work to bring on Belleville, Barbour 911, Fayette 911, Princeton, Wallace, West Union
  - The network team will be installing additional DAC units to support these new sites in Zone 1
  - Belleville – tuning is complete; gear has been IP’ed and prepared for network connectivity; waiting on circuit completion back to PK
  - Wallace – no public safety frequencies available
  - West Union – working to determine what frequencies will be able to go into the RF gear that was applied for; cellular backhaul is not possible at that location; waiting on backhaul and circuit back to PK. **Motion to recommend purchase of a Ubiquiti link to use temporarily until Aviat microwave is received and operational for this purpose and to have for future emergencies and owned and maintained by SIRN technicians. Committee Motion to approve. Second by Tom Hart. Motion passed.**
  - Salem – Hemphill tower like the failed Catherines; Harrison County reported that they are looking to have a leg repair done.
Boone County wants to begin using broadcast paging. The pagers that are available are approximately $700. A radio with the same potential capability is not much more. To program talkgroups to page is going to be very labor intensive, and testing thus far that has been undertaken has not been tremendously positive. There will also be an additional workload placed on the system due to the reconfiguration required to make the non-affiliating paging devices potentially work.

Randolph County SWAT team requested a new multi-agency multi-county talkgroup for the SWAT team to consist of Upshur, Tucker, Randolph, Barbour counties. – The technical committee is going to recommend that they use the Regional PTAC channels.

Braxton County, via Joe Tanner, wants to add and remove equipment on the Coon Knob tower and Coon Knob shed
   o As they would be adding an antenna, a check needs to be made of the technician for that site to see if they thought a structural would be necessary. In addition, we would require that the low band antennas be removed after the transition.

Fayette 911 application request for MCC Direct Connect consoles via microwave through Gauley. This was anticipated and had planned on the dish and equipment for this. Once accomplished, this should actually free space in the building.

The Motorola APX Next radios arrived for testing. Upon beginning the process Friday morning, it was discovered that the required version 26.00.00 firmware has not been installed they can’t be firmware refreshed, thus, they cannot be tested at the present time.

Request from the PSC to have 6 regional talkgroups added to their 3 statewide talk groups. They will be granted 6 regionals and two of their statewide talkgroups be kept in the regional pool so that they won’t be just totally abandoned.

McDowell County Public Service District requesting one talkgroup but McDowell County PSD is not currently listed as a participating agency. The McDowell County POC will work with the PSD to get an umbrella application completed.

How much MEDCOMM communication is using SIRN instead of legacy. Harrison, Marion, and Mon county use is mostly trunked medical talkgroups. Southern portions of the state is a mix of conventional and trunk. In Ohio County it is primarily cell phones and SIRN.
**Shepardstown area has had issues since the approximate time of the upgrade to 7.18. Based on the amount of time that sites have been on the air, it is recommended that it would be wise to sweep antennas as soon as possible. For Shepardstown, this should also include North Mountain in addition to Blue Ridge.**

### Important Technical Information

<table>
<thead>
<tr>
<th>Channel ID Plan</th>
<th>3 FDMA</th>
<th>4 FDMA</th>
<th>5 FDMA</th>
<th>6 TDMA</th>
<th>7 TDMA</th>
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<tbody>
<tr>
<td>Bandwidth</td>
<td>12.5 kHz</td>
<td>12.5 kHz</td>
<td>12.5 kHz</td>
<td>12.5 kHz</td>
<td>12.5 kHz</td>
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<tr>
<td>Transmit Offset Sign</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
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<tr>
<td>Transmit Offset MHz</td>
<td>5 MHz</td>
<td>5 MHz</td>
<td>9 MHz</td>
<td>5 MHz</td>
<td>5 MHz</td>
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<tr>
<td>Channel Spacing</td>
<td>12.5 kHz</td>
<td>6.25 kHz</td>
<td>6.25 kHz</td>
<td>6.25 kHz</td>
<td>6.25 kHz</td>
</tr>
<tr>
<td>Base Frequency</td>
<td>453.025 MHz</td>
<td>450 MHz</td>
<td>400 MHz</td>
<td>450 MHz</td>
<td>460 MHz</td>
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**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)

### Policy and Procedures Committee Report – John Zilinski

- No report provided.

### Training/Education/Outreach Committee Report – Roy McCallister

- ITSL has been canceled due to lack of participants. May be rescheduled for winter.

### Conference Committee Report – Steve Vititoe

- No report provided.
Planning Committee Report – Bobby Hoge

- Applications for affiliation
  - USDA-US Forest Service Fire to utilize SIRN. The plan is for Pendleton to allow them under their umbrella.
  - Martin County 911 Center in KY for participation under the Mingo County umbrella
  - Fayette County PA Emergency Management Agency – 911 application for participation under the Preston County umbrella
  - All updates accepted

- Alpha Technologies request for participation (a for profit company) - Motion by Roy McCallister, seconded by Dave Erwin to NOT allow participation on the system. Approved.

- The May 9th meeting will be one day at Flatwoods with a virtual option. 2nd floor of Flatwoods MedComm building.

- New prop maps have been requested from Motorola.

- Developing Project List

- SWIC REPORT, & SITE STATUS
  - Belleville – tuning is complete; gear has been IP’ed and prepared for network connectivity; waiting on circuit completion back to PK
  - Catherines – RF gear has been put on the new tower and a plan is being developed to move the IRP stack from Klondyke possibly by the end of the month. If microwave is not available yet, the Cradlepoint solution will continue to provide the backhaul.
  - Clay County – Funds have been received. The 1A will be starting soon. Construction around May. Quotes being sought for RC and MW equipment. National Guard looking to assist.
  - Confidence – Foundations completed. Once the tower is built, the county will apply for homeland security grant to get SIRN gear.
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- Dingess – AEP is working on the SA. Will need a SIRN ASR site, microwave, building, generator. Mingo County may have a grant for MW.

- Gary – possibly relocating but may have issue with cost to co-locate. Looking in the Bradshaw area.

- Greenbrier – looking to install MCC Direct Connect consoles.

- Hinton – Survey, 1A, and construction diagrams are complete. No environmental or GEO done. Will need a construction contract.

- Horsepen - Dave Neal had verbal permission to proceed and Poca Royalties (Tim Cole) agreed on both properties (Forestry and WVSP). Not sure of status. Need MOU with AEP. AEP site build building, EMD road? New ASR & Microwave and use old equipment at another site.

- Mathias (Hardy co) Lost City tower approved, finalizing agreement. 180’ self-support. County to provide SIRN and microwave, working on frequencies.

- Princeton - ASR antennae’s have arrived. Steel is stacked. Working on electric and concrete pads. Have site boss.

- Valley - We are in the enviro, FAA, SHIPO, if all goes well, we are looking at bidding it out for build late May early June based on a report from Kevin Walker.

- Wallace - Still needs frequencies; Premier has installed a temporary network hop.

- Weston - Something really needs to be done with this. Need to make a determination on frequencies (UHF & Microwave). We owe them the SIRN and microwave equipment.

- West Union - Confirming frequencies & installation with county. Working on microwave connectivity.

- Wileyville - Met with Premier Construction last Friday to get things started and I meet with them, Progressive Communications and Rush Construction again this Friday to get things going on getting the roadwork done and the antennas ordered for our legacy stuff. The steel is ordered and shouldn’t be too long. They are going to begin with the surveying and then electrical upgrades somewhere near the first of April based on a report from Steve Yoho.

- Zenith – has property agreement.
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- Contract Status
  - Towers – Allstate Towers
  - Waiting on generators, mobile/portable/console radio’s, buildings, antenna feed line, antennas, tower lights

- Antenna repairs are in place with Premier Constructions
- Motorola repairs to infrastructure in place with Motorola

New & Emerging Technologies – Paul Bump

- No report provided.

RIC Region 1 Report – Roy McCallister
Kanawha, Clay, Putnam, Jackson, Roane, Calhoun, Ritchie, Wirt, Wood, and Pleasant

- No meeting since February 27, 2022.
- Next meeting is slated for April 27, 2022 or May 9, 2022.

RIC Region 2 Report – Tom Hart
Hancock, Brooke, Ohio, Marshall, Wetzel, Tyler, Doddridge, Harrison, Marion, Monongalia, Preston, Taylor

- Met on April 6th
- Discussed training and exercises
- Discussed tower site updates
- Discussed the SIRN Conference dates
- Discussed the pending A2022 system update
- Discussed the ISSI connection
- Discussed Dave Neal retirement
- Discussed a temporary EMS talkgroup use
RIC Region 3 Report – Jeff Polczynski
Grant, Hardy, Hampshire, Berkeley, Jefferson, Mineral, Morgan

• No report provided.

RIC Region 4 Report – Fred Channel
Pocahontas, Pendleton, Webster, Randolph, Tucker, Barbour, Upshur, Braxton, Gilmer, Lewis

• No report provided.

RIC Region 5 Report – John Zilinski
Mercer, McDowell, Wyoming, Raleigh, Summers, Monroe, Greenbrier, Nicholas, and Fayette

• Last met on March 10, 2022
• Discussed Greenbrier 911 microwave
• Discussed hospital radios and health department; will incorporate this in as an exercise component
• Next meeting is April 14, 2022 at Fayette 911 and virtual

RIC Region 6 Report – Steve Vititoe
Cabell, Boone, Lincoln, Logan, Mason, Mingo

• Will be meeting on April 14, 2022 at Danville.

Business Conducted

• Nothing additional provided.

Meeting adjournment.

• Motion: Roy McCallister
• Second: Dave Saffel
• Motion: Passed