



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)

1	Bump, Paul		WV Zone 1 Switch Agency
2	White, Byrd	CC Proxy Patrick Shea	WV Department of Transportation
3	Channell, Fred	CC	RIC 4 Chairman
4	Dooley, Lisa	Proxy Dave Erwin	WV Municipal League
5	Spence, Josh	Proxy James Dixon	WV Office of Technology
6	Zilinski, John	CC	RIC 5 Chairman
7	Miller, Jeffrey	CC Proxy Tyrone Gore	WV Parkways Authority
8	Hart, Tom	CC	RIC 2 Chairman
9	Tatum, Mike	CC Proxy Bob Hoge	WV E-911 Council
10	Cahill, Jan	CC Proxy Chris Shrader	WV State Police
11			WV SWIC
12	McCallister, Roy	CC	RIC 1 Chairman
13	Crane, Bill	CC 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			WV Health & Human Resources
18	Saffel, Dave	CC	APCO
19	Tyree, Ken	CC Proxy Bobby Palmer	WV State Fire Marshal
20	Mccabe, GE	CC	WVDEM Director
21	Vargo, Lou	CC	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 (partial attendance)	Assistant SWIC
2	Fred Kinder	CC	SIRN
3	Dustyn McConnel	CC	Harrison County EMS
4	Bill Wood	CC	SIRN
5	David Obrien	CC	METRO 911
6	Jim Mangus	CC	RIC 1
7	Tony Novel	CC	RIC 2
8	Jeff Perry	CC	EMD
9	Alex Rayburn	CC	WVANG



West Virginia Statewide Interoperability Executive Committee Meeting Minutes

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



West Virginia Statewide Interoperability Executive Committee Meeting Minutes

- 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
- A2022 upgrade is tentatively set for kick-off 2/27/2023.
- 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.



West Virginia Statewide Interoperability Executive Committee Meeting Minutes

- Shinnston – Hemphill tower like the failed Catherines; Harrison County reported that an engineer reviewed the tower and says that it needs replaced. They are looking for a second opinion. If the tower needs replaced, the county may be looking for funds from WVTAF, etc.
- 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
 - 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.



West Virginia Statewide Interoperability Executive Committee Meeting Minutes

- Sheperdstown 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 Sheperdstown, this should also include North Mountain in addition to Blue Ridge.

Important Technical Information

Channel ID Plan	3 FDMA No longer in use	4 FDMA	5 FDMA	6 TDMA	7 TDMA
Bandwidth	12.5 kHz	12.5 kHz	12.5 kHz	12.5 kHz	12.5 kHz
Transmit Offset Sign	+	+	+	+	+
Transmit Offset MHz	5 MHz	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	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)

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.



West Virginia Statewide Interoperability Executive Committee Meeting Minutes

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.



West Virginia Statewide Interoperability Executive Committee Meeting Minutes

- 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 to 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.



West Virginia Statewide Interoperability Executive Committee Meeting Minutes

- Contract Status
 - Towers – Allstate Towers
 - Waiting on generators, mobile/portable/consolette 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



West Virginia Statewide Interoperability Executive Committee Meeting Minutes

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