



# West Virginia Statewide Interoperability Executive Committee Meeting Minutes

|                                     |                   |                          |
|-------------------------------------|-------------------|--------------------------|
| <b>Date: 11-8-2021</b>              | <b>Time: 1448</b> | <b>Location: On Time</b> |
| Meeting Called To Order: 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      | Proxy – Patrick Shea | 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  |                      | WV Parkways Authority            |
| 8  | Hart, Tom        | CC                   | RIC 2 Chairman                   |
| 9  | Tatum, Mike      | Proxy – Bobby Hoge   | WV E-911 Council                 |
| 10 | Cahill, Jan      | Proxy – Jeff Perry   | 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         |  | Assistant SWIC |
| 2 | Jim Mangus       |  |                |
| 3 | DJ Sigman        |  |                |
| 4 | Tom Gagnon       |  |                |
| 5 | Dustyn McConnell |  |                |
| 6 | Michael Spangler |  |                |
| 7 | Tony Novel       |  |                |
| 8 |                  |  |                |
| 9 |                  |  |                |



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Previous Minutes Reviewed and Approved

- **Motion:**      **Tom Hart**
- **Second:**     **Dave Saffel**
- **Motion:**      **Passed**

## Technical Committee Report – Dave Saffel

- Equipment testing – None
- Programming
  - Current Versioning –
    - Motorola **APX 25.00.00** - MEGA Firmware **25.01.00** ← **New 11/2021**
      - **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 4.40 (NX-5X00 & 30 Series)–Firmware 4.40
- System Managers Report
  - Stats: October
    - Monthly:
      - Calls = 2,159,813
      - Busy = 3574
      - PTT = 3,805,979
  - YTD:
    - Calls = 20,332,544
    - Busy = 41,064
    - PTT = 37,690,739
- There are several sites that are in need of additional channels. Currently, those sites are:
  - Catherine's – It was realized that the new tower is 340 feet rather than the previous tower that was 480 feet tall. Though it was built on the same point as the original it is now only 103.6 m tall rather than 146.3 m. As the tower is owned by Monongalia County, they have to refile for a modified Antenna Structure Registration (ASR). This potentially also changes the obstruction level with the FAA, and required re-coordination of the frequencies that were being applied for. The license application process is delayed until these things can be accomplished.



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- Welch frequency – Welch is a 480-foot tower. A preliminary search for additional frequencies has resulted in nothing viable. The larger the tower, the harder it is PLUS if the tower is significantly higher than the average terrain, Safe Harbor regulations require large reductions in radiated power. Suggestion would be Lattamus or Business frequencies.
- The next version upgrade is targeted to be A2021.1. This is a new numbering series. That is proposed to start in September 2022. The dispatch has already been already been deployed for the new version, so there will be a lot less work at the 911 centers when that rolls out next fall. This should result in less work for the centers. At the point of that upgrade, we will still be supporting the T1's. In the following February 2023 there will be an additional upgrade at the three master sites. This will enable the cores to be able to accept the Juniper routers.
- We have been upgrading the DC power plants at many sites. The new site at Princeton will have a new stack upon installation. Many other sites have been done.
- AIS servers and Elite Dispatch – We have found a documented bug in the AIS machines not sending audio to the recorders after the sites receive their monthly updates. Motorola requested documentation, and that has been submitted to the AIS engineering of Motorola. Patching should start this afternoon on the Elite Dispatch, but this patch round, it was requested that we removed the AIS from the patching. There will not be AIS patching this month. Jim Mangus reports that Kanawha County has had significant problems of dropped audio, and believes that they may actually have bandwidth issues.
- There was a request for a private encrypted talkgroup for Pocahontas Memorial Hospital. This request is approved.
- Shinnston and Salem towers were both in the batch of towers that had split legs. They are both very viable, but repair is being done with help of the other tenants. There have been missing bolts at Shinnston and it is being repair, replumbed, and overall repaired and improved. When the tower is straightened, Paul Bump believes that they may have a path issue to Grafton that may have to be realigned. He requested a tech to possibly get ASL readings at Shinnston to get a baseline prior to doing a plumb and tension of the tower.



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## Important Technical Information

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

## Policy and Procedures Committee Report – John Zilinski

- Committee began the review of some of the policies that were all part of the large sized combination documents posted online into the individual topic-based policies.

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

- Tom Gagnon reviewed current TA's that are available.
- The 2022 TA catalog is available and Tom Gagnon will be sharing that with us for our next round of pics.
- RC Faulk and Dave Erwin is working on setting up a training class for the NX radios as several folks have asked.



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

- Nothing reported.

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

- Discussed Jesse Site acquisition by the State. A 35- foot self-support tower. Cost is \$50,000.00. Original owners invested approximately \$450,000.00. In order to continue site engineering drawings and a structural analysis would be needed as well as a location visit by SIRN techs. Motion to proceed with purchase with above noted items by Dave Saffel and Second by Danny Kirby. Committee approved.
- Aviat has sent personnel to the warehouse to meet with Jimmie Linville to assure there is room to open the equipment coffins and begin to assemble gear. There is room for this at the warehouse.
- Keyser – this site has had all UHF antennas replaced and the county users indicate the site is operating favorably.
- Clay – Has been given a WVTAF application; they are meeting with Premier Construction and looking for funds for ASR & microwave.
- Dingess – awaiting on structural analysis from AEP.
- Princeton – Due diligence is complete; Beginning site preparation. Steel, generator, transfer switch, and microwave ordered. Microwave site survey received. HCI ZPM rack and PFD legacy antenna received. Waiting on pricing for the ASR equipment.
- Richwood – Meeting with Nicholas County this week.
- Catherines – Building installed. The Klondike site will be decommissioned and the equipment will be moved to the newly rebuilt site and installed to run on the cradle point configuration until the microwave build is complete. County will be adding the solar package add-on to the new HCI ZPM. The new shelter has the economizer installed on it.

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

- Nothing to report.
- DJ Sigman from AT&T advised that they are seeing critically low inventory of some Apple products and Cradle point devices. Shipping delays are seen between the 1 week to 30 days for some devices.



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- DJ Sigman discussed a mobile asset for the National Guard and will provide additional information and pricing for Danny Kirby to share with the Guard as they are interested in purchasing.

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

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

- Last met on 10-28-2021.
- Reported that Frank Chapman has retired.
- Discussed DHHR pending radio purchase and the EOL of some products.

### **RIC Region 2 Report – Tom Hart**

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

- Next meeting is November 16, 2021 at Ohio County EOC.

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

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

- Did not meet in September.
- Did not have a quorum in October.
- Next virtual meeting is set for November 17, 2021.

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

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

- Have not met.

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

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

- Last met on October 21, 2021 and filled some vacancies in the RIC.
- Talked with the new 911 Director in Nicholas County about previous site work being done in the county.
- Next meeting is November 18, 2021 virtually.



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

Cabell, Boone, Lincoln, Logan, Mason, Mingo

- Last meeting was November 5, 2021 in person.
- Discussed ability to clean up IDs in the radio system database based on last usage, but that type of report is not available.
- Discussed the members seeing decreased quality radio installs by vendors in the RIC.
- Next meeting is to be determined.

## **Business Conducted**

- Dave Saffel reported that he is not acquiring frequencies for DHHR aircraft. They should be doing that themselves.
- Next meeting is December 13, 2021 virtually. Flatwoods is closed to the public for meetings right now.

Meeting adjournment.

- **Motion:**       **Dave Saffel**
- **Second:**      **Fred Channel**
- **Motion:**       **Passed**