



# Minutes for the KWIEC meeting conducted on October 30<sup>th</sup>, 2007

Opening Remarks.....	2
Roll Call & Members Present .....	2
Old Business .....	2
Discussion/Approval of the last meeting minutes .....	2
Chairperson’s Report .....	3
Projects Approved.....	3
KWIEC Goals .....	3
Briefing on 700/800 MHz Re-banding .....	5
Open Discussion on Old Business .....	7
New Business.....	7
KWIEC Seats and term expirations .....	7
Annual Public Safety Report for 2007 .....	8
Kentucky Board of EMS (KBEMS) & Kentucky EMS Information System (KEMSIS) .....	8
KWIEC Goals for 2008 .....	11
Open Discussion on New Business.....	11
Adjournment .....	12
Upcoming events, next KWIEC meeting.....	12
Closing Remarks .....	12

*These Meeting Minutes are not a “word-for-word” transcription of the event, and summaries and paraphrasing were used throughout this document. Any individual desiring an exact quotation for record may download the recorded copy of this meeting from the KWIEC website located at [www.kwiec.ky.gov](http://www.kwiec.ky.gov).*

*This meeting was being recorded and webcast simultaneously but recording equipment at the Annex location required routing everything through the webcast system. Unfortunately the webcasting system had several errors and dropouts of varying times that resulted in the loss of substantial amounts of conversation. Where possible, notes from the administrative assistant were used to fill in.*

## Opening Remarks

Terry Stephens opened the meeting of the Kentucky Wireless Interoperability Executive Committee and welcomed everyone. He went on to introduce himself as the Deputy Executive Director over the Infrastructure Services for COT and said that Commissioner Rutledge was not able to attend so he would fill in as Chairman.

He tasked Chuck to take the Roll.

## ***Roll Call & Members Present***

### **Roll was called with the following members present:**

Terry Stephens (sitting as Chair); Jim Barnhart; Shelby Lawson (rep 911); Michal Clark; Brad Bates; Rodney Hays; Mary Pedersen; Lonnie Lawson; Michael Ward; Terry Lewis; Michal Clark; Charles O'Neal; Don Pendleton; Robert Milligan, Mike Rosenstein.

Chuck indicated that we had a quorum.

Terry reminded everyone to identify themselves for the record when speaking and having a quorum present, opened the meeting.

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## Old Business

### ***Discussion/Approval of the last meeting minutes***

Terry called for discussion on the last meeting's Minutes. Being that there was none, he called for a motion to approve the Minutes of the last meeting. The motion was made, and seconded. Terry called for a vote to approve by a show of hands. Approval was unanimous and the minutes were adopted.

Terry then asked Chuck to brief the Chairperson's report.

## **Chairperson's Report**

(Briefed by Chuck Miller)

### **Projects Approved**

Since January 2007 forty-eight (48) wireless project plans were submitted. Thirty-one (31) were approved, and one (1) was disapproved. Three (3) are currently being reviewed by the ASWG (Architecture standards and working group).

### **KWIEC Goals**

*Four of the five 2007 goals KWIEC goals were successfully completed by mid 2007. This prompted the KWIEC to adopt three rearticulated goals listed below:*

**Goal One:** Continue efforts to improve the Statewide Interoperability for public safety.

**Goal Two:** Install all new digital Microwave systems in the Eastern segment of the Kentucky Emergency Warning system (KEWS).

**Goal Three:** Increase Public awareness and utilize outreach programs to promote Public Safety and Communications Interpretability efforts

Chuck asked each of the Program Managers to give a one minute update on their programs appropriate to the first goal.

**Derek Nesselrode briefed the Mutual Aid and Interoperability Program** - Currently we have 630 user agencies who have signed the MOUs to use the Mutual Aid network. In regards to our equipment updates and upgrades, all the bay stations and repeater modules we have purchased with Homeland Security funds.

Phase Two has been installed and updated, and all the antenna work that we did on the tower has been completed. Currently we are reprogramming and rebanding the 800 MHz repeaters that we have out in the field. We have sent letters to all the MOU holders that are utilizing the 800 MHz frequency's to notify them of this. And we have updated the MOUs that we have in place.

**Brad Bates briefed the Mobile Data Program** - Currently we're up to one hundred and fifty two agencies that are using the states shared message switch, with about twenty six hundred users, that is in addition to the agency's using the base IP MobileNet network.

**Brad Bates briefed the KYWINS Messenger Program** - KYWINS, the instant Messaging component; we're up to about seventy agencies with about twenty five

hundred individual users so far. We're still taking applications that are coming in every week.

Chuck asked Mary Pedersen to update members on the Strategic Plan.

**Mary Pedersen briefed the Strategic Plan and PSIC Grant:** We submitted our PSIC draft plan in late September; we have received the preliminary back on that about a week ago. We need additional detail information I will be working on this over the next couple of weeks, prior to a December 3<sup>rd</sup> deadline from the Federal Government.

KOHS is planning to host CRC, KWIEC, the Fire Commission, CACO, League of City's and the Sherriff's Association, Chief of Police Association. To review final justification for this grant, and sign off on it, since it is due around November 5<sup>th</sup>. There will be about five business days to review; with a meeting around the 22<sup>nd</sup> to sign off on these investments

**Chuck Miller went on to brief Goals 2 and 3.**

**Goal 2:** Installation of the new Digital Microwave systems in the Eastern Segment of the Kentucky Emergency Warning System (KEWS) continues. We have twelve teams in the field right now and radios are being installed, towers reinforced, and sites upgraded.

Harris assures us the cutover date of December 07 is still on target.

**Goal 3:** We still have a way to go on this goal but the KWIEC has made some progress with the associations we have created, meeting webcasts, the website, and the informational briefings provided to the members of this body.

Chuck concluded the Chairpersons report and turned the meeting back over to Terry for the other scheduled briefings.

Terry thanked Chuck and asked Derrick Nesselrode to brief the 700/800 MHz re-banding efforts by the Public Safety Working Group.

## **Briefing on 700/800 MHz Re-banding**

(Briefed by Derek Nesselrode)

{Derek's PowerPoint presentation was provided to KWIEC members.}

Several years ago we all came together and formed the official Region 17 700 MHz committee. At the time we were all very hopeful of the upcoming availability of the new spectrum of the 700 MHz frequencies pending Television stations evacuating those frequencies. There have been a lot of changes in the last couple of months in regards to the FCC.

- C and D blocks will be auctioned off in January 2008.
- The D Block auction winner will implement a hybrid public safety commercial national broadband network. This is commonly referred to as "Five plus Five" it's the D Block plus frequency that were taken away from the public safety network that will be added to this as well to complete this network. We're not happy about this but not a whole lot we can do about it.
- 20 MHz designated for Nationwide Public Safety Broadband Network. One network uses both Public Safety and auctioned spectrum blocks.
- Nationwide public safety licensee and auction winner negotiate agreement and choose the technology. This is a draw back; we will be at the will of the Auction winner.
- Auction winner builds systems to Public Safety specs.
- Hybrid systems serves both Public Safety and commercial, Public Safety has priority. A part of the agreement was that the private agency will offer this use to the public. But in an emergency public safety will not have priority for use of this broadband network, still trying to define what constitutes an emergency.
- Local systems on exception basis only
- "C" Block will be auctioned as traditional cellular.
- "D" Block will be auctioned to one nationwide licensee as part of public/private partnership.
- Auction for 5+5 MHz

This is a list of dates of how things kind of went:

- July 31, 2007 FCC Adopts 700 MHz Decision
- August 10 FCC released text of Decision (367) pages
- August 24 FCC Decision published in Federal Register
- August 30 Cutoff to deploy Narrowband systems under previous bandplan (unless waiver of rule granted)  
Per FCC decision, only NB equipment in operation at 700 prior to this date eligible for returning compensation.
- September 24 Deadline for any petitions for clarification or reconsideration of the FCC decision
- October 10 Deadline for submission of application to be the nationwide public safety licensee

- October 23 BFCC 700 MHz Decision Effective Deadline for users with 700 NB equipment deployed to file certified inventory for returning compensation
- November 23 RPC's must submit amendments to all 700 MHz regional plans approved or pending approval
- January 16, 2008 700 MHz auction starts – 60 MHz total being auctioned in lower and upper 700 MHz band
- Currently we have only one agency that is utilizing the 700 MHz spectrum because this shift in frequencies there's going to be some repacking of the spectrum, may require some users to move, these users have been contacted and asked to submit applications to be rebranded somewhat like the 800 MHz systems re-banded, they will be compensated for any frequency changes that they have to make.
- There is a wavier process. There were a lot of processes out there to utilize broadband data, which would be clusters of frequencies put together in 50 kilohertz channel, which would give a increased through put. A lot of States started moving this way, the FCC kind of derailed there plans. The FCC says you can apply for exception as long as you have a plan in place to transition to the Broad band network eventually. There are also states that have private broadband systems that are own by public safety.

Here are the reasons why we didn't like the recommendations of the FCC:

- Nationwide broadband build out schedule leaves many areas unserved for a long period of time. What the FCC did was lay out a certain percentage of the US that had to be coved in a certain time line, on population density. Obviously it's not going to be attractive for a corporation to build a broad band where there are no people, which is one of our fears.
- Network sharing Agreement will determine broadband fees, terms detailed build out, and conditions (Q308) We don't know what the charges will be for these services; no one will until 2008
- Most vendors will continue to support the system portfolio for current customers and customers pursuing wideband and broadband waiver.

This is a listing of the coverage area of the proposed rollout schedule. Seventy five percent of the population is covered by 2013, which is 15% of the US geographic coverage. Obviously Major Metropolitan area's will be first to develop. It's based on a 10 year rollout 2019 it would be 99.3% coverage.

We don't support a national Broadband solution. It would mean that agencies out lose control over coverage, capacity, performance applications, devices, etc.

The Build out is expected to begin in 2009, whoever wins the option will be charging public safety at the end of 2008. Wavers are still available for anyone who is interested. It will be difficult to incorporate it into this private network.

Derek was asked if there were any 700MHz systems in operation currently.

Derek responded that the only one we have is in Owensboro utilizing a data system on a narrow frequency, so its low throughput, similar to the mobile data system that we have state wide, its not wideband nor broadband, it's the same channels you would use in voice, but they won't be affected.

Shelby Lawson added that they loaned them some frequencies that were state licensed, because they ran out of 800 MHz of mobile data. The intention was later on, when we got the plan finished, we would issue those. That's now in jeopardy and we not are going to have to get a waiver to them. I'm sure they can recover cost from the FCC, without having to move everything.

Charlie asked if the 700MHz data system currently integrates with the 800MHz MDT infrastructure.

Shelby said that the IP mobile data radios are 700 or 800. You can buy them that will do both or you can buy one that will just do 800 only. And what they bought was a dual-band radio from IP MobileNet 700 and 800. I think they found some 800 stuff they're migrating too. You can buy that radio now.

Derek said that if you look at the spectrum of the 700 and 800, the 700 is the very top of the spectrum which runs in the lower 800 system. Not a lot of difference, just a different frequency.

### ***Open Discussion on Old Business***

Terry thanked Derek for the Briefing and others for their comments and questions. He asked if there was any other old business and being that there was none, moved onto new business.

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## **New Business**

### ***KWIEC Seats and term expirations***

Terry mentioned that the Kentucky Wireless Interoperability Executive Committee has two unfilled appointed seats due to individuals leaving sponsored positions by County Government and County Sherriff. He asked if anyone had any recommended names to fill those positions and if not would table this till the next meeting.

Chuck added that member could email recommendations to him and he would work with Boards & Commissions to see this through.

## ***Annual Public Safety Report for 2007***

The 2007 Annual Report on Public Safety was completed and turned into the LRC. The report is in the KWIEC packet and was provided to the members for informational purposes.

*{This report was not previously sent out to the KWIEC so members did not have an opportunity to study it. With this any discussion on this report was reserved for a future meeting}.*

Terry called on Charlie O'Neal to brief on the Kentucky Board of EMS and the EMS System.

## ***Kentucky Board of EMS (KBEMS) & Kentucky EMS Information System (KEMSIS)***

(Briefed by Charlie O'Neal)

{Charlie PowerPoint presentation was provided to KWIEC members.}

Charlie introduced himself as the appointee to the Committee to represent EMS providers across the Commonwealth of Kentucky. He went on to say that he was here today to request endorsement of Kentucky Emergency Medical Services Information System.

KEMSIS is a data collection system for EMS that provides Kentucky a National EMS Dataset (currently version 1.02). It provides:

- an electronic Patient Care Reporting system that allows EMS personnel to complete the patient care reports while their in the field
- allows transmitting information electronically to the receiving hospital or to another collection point
- allows a format for facilitating billing for services or integrating information from this system with existing billing services that some ambulance services currently operate

The vision is too eventually:

- Rollout the KWMSIS software to every EMS provider across the state
- to have near Real time collection of syndromic surveillance data, which is critically important in biological type of WMD event
- to correlate data with other data elements such as Public health, hospital, and etc
- to be able to follow a patient from the time they're encountered to the pre-hospital setting until the time that their dismissed

It can be accomplished through a variety of different means.

1. The quickest to implement, but not the fastest as far as data collection is for the EMS personnel to complete the run form on paper, come back to the ambulance base, and reenter that data into a desktop computers system, which would then transmit that data to a collections point
2. A little better system would be having the ability for EMS providers to enter that data on a mobile data terminal in their ambulance while on the run and then download to a server via wireless network or desktop after retuning to the EMS office
3. The quickest and the best method would be to enter that data on a MDT, mobile data terminal, with immediate download via a mobile network

Charlie said he was here today to ask the KWIEC to endorse adding KEMSIS to the statewide mobile data system infrastructure for use by EMS and providers across the Commonwealth that have the equipment and access to the system.

A recent example of where this could have been a tremendous help had it accrued in KY, is the e-Coli outbreak in Southern Indiana. Had those patients been entered into the system and that data immediately collected, an alert could have been sounded that would have indicated that numerous patients had been picked up by ambulances and transported to hospitals with the e-coli type symptoms.

It also allows for a centralized collection and depository for pre-hospital data. Right now we don't know how many ambulance runs are made in KY every year, how many are transported with strokes, how many are transported that have heart attacks, how many automobile accidents that are transported each year. This would give us the ability to deposit that data in a central location and derive at the information as needed.

Some of the ancillary advantages to having the KEMSIS Statewide infrastructure is that it would:

- allow integration of EMS providers into the KYWINS System, and granted there's not a lot of times that law enforcement needs to communicate via instant messaging with EMS, but there are some of those occasions
- silent dispatch, helpful in security sensitive response such as hostage situations, being able to dispatch in a non voice way
- GPS tracking of ambulance across the Commonwealth - this can be extremely helpful to us in a large-scale, mass casualty event, such as failure of the New Madrid fault; we have all heard the horror stories of the potential damage that might be from a significant earthquake along the new Madrid fault. Being able to identify where the closest ambulance is and then dispatch the closest vehicle would be extremely helpful on a large events.

What's next? Hopefully today you will consider indorsing the concept of placing this software on the statewide infrastructure. My job will then be to report back to the Kentucky Board of EMS board of directors and approach GOT for endorsement, begin the process of setting software and hardware standards for the implantation of the program. Most of the hardware standards are already set fortunately. I will meet with cabinet for Health Services and Families and

Children and other entities that might be involved to work toward integration of existing data sets into the EMS data sets or the existing data sets into the EMS data sets. Then begin working with KTCTS, CHFS and other entities and their staff to prepare the product for roll out. Then we would identify a couple of sites to field test the equipment to make sure it would do exactly what is suppose to do and then begin the process of rolling out the product state wide. The board of EMS already owns the software so the ability to roll it out for provider's already exist. I will be glad to answer any question that you have.

Charlie gave special thanks to J. Ashley Davis Interim director of KBEMS, and Jeff Druin, former KBEMS IT Staff member for their assistance with the information in this presentation today, and asked for questions.

Col Lawson asked a question concerning data sets.

Charlie said that obviously we would want it to integrate all the available data sets that are out there. That would help make our data more of an overall collection package and not just a stand alone component. He had looked at several different processes but was unsure as to what step would be taken first.

Terry Lewis asked how HIPPA fit into this.

Charley responded that there are some encryption guidelines that fit into the current system that they have in place. He would have to talk with GOT to see if those encryption standards could be carried over to the state infrastructure. Obviously HIPPA would be a critical component in being able to collect this data. If we are not able to encrypt this data that presently exist then the option would be to remove identifying factors from that data and still collect the data, but not be able to tie it to a particular patient.

Terry Lewis commented that yesterday they had a tractor trailer rollover with several hundred gallons of diesel fuel in the ditch. This could occur anywhere in the state and given that in the last couple of years we have been focusing on the law enforcement with the MDT's and the infrastructure to go along with all that, I hoping that somewhere along the point your going to start incorporating more than EMS and Fire and some of the other public safety type agencies into this system.

There was some concern expressed about the amount of bandwidth that would be required for the applications needed to support this system but Charlie explained that all the things that we they today are very thin and will transport on a 19.2 Kbps network without bogging it down for everybody.

There was also a question about the software licensing -

Charlie explained that when it was purchased it was for state-wide deployment and the Bandwidth consumed by the program would be minimal. Since the primary software package runs on the individual computer the MDT infrastructure would only be utilized for transmission of

that data to a central depository. So other than an EMS provider hitting that enter key and shifting that data via the network, it would not require bandwidth for software overhead.

Charlie went on to say that they could run tests to see how it works.

Mary Pedersen commented that KOHS had been working with KSP to market the use of KYWINS messenger to all first responder agencies, not just law enforcement. She went on to say that they can take advantage of being a part of KYWINS now.

## ***KWIEC Goals for 2008***

(Briefed by Chuck Miller)

{Current goals for 2007 and recommended goals for 2008 were provided to the KWIEC members}

With the original goals of 2007 being 80% complete, the KWIEC rearticulated its goals which were displayed with a recommendation that these goals be continued and expanded upon for 2008.

- Goal 1. Continue efforts to improve statewide Interoperability for public safety*
- Goal 2. Install the new Digital Microwave systems in the Eastern Segment of the Kentucky Emergency Warning System (KEWS)*
- Goal 3. Increase public awareness and utilize outreach programs to promote Public Safety and Communications Interoperability effort*

{Members were asked to consider these and send any recommendations for changes or additions to the 2008 goals for the next meeting.}

- Goal 1. Continue efforts to improve statewide interoperability programs for public safety*
- Goal 2. Complete the upgrade of the KEWS Eastern Segment*
- Goal 3. Increase public awareness and utilize outreach programs to promote public safety and the communications interoperability effort*
- Goal 4. Review, fine tune, and publish the long term Strategic plan for communications interoperability for the Commonwealth*

## ***Open Discussion on New Business***

Terry thanked Charlie and Chuck for the Briefings and others for their comments and questions.

Col Milligan expressed his concern about the KOHS grants award process. He went on to say that there were several statewide radio networks that were in the commonwealth and that much of the awarded money seemed to go to a small group of agencies. He encouraged the KWIEC to look at this in the future and ensure that other that they were aware of other radio systems out there.

He asked if there was any other new business. Being that there was no other new business, the Chairperson moved on to adjournment.

## **Adjournment**

### ***Upcoming events, next KWIEC meeting***

The next KWIEC meeting is tentatively scheduled for late January, but may be delayed. An email will be sent out to members once a date is decided on.

### ***Closing Remarks***

The Chairman asked for any further discussion or comments, and there being no further, thanked everyone for attending. With nothing further, the meeting was adjourned.