

**WILL COUNTY 9-1-1 EMERGENCY TELEPHONE SYSTEM BOARD
TECHNOLOGY ADVISORY COMMITTEE MEETING**

Wednesday, June 4, 2014 – 1:00 p.m.

**WESCOM 9-1-1 PSAP
24600 Presidential, Plainfield, IL 60544 (see attached map).**

AGENDA

I. CALL TO ORDER

II. ROLL CALL

Mike Shay	Jim Ariagno	Ed Bean	Jeremy DeVivo
Kim Knutsen	Dale Murray	Steve Rauter	Brad Veerman
Tong Zhou			

III. APPROVAL OF MINUTES

MOTION to approve minutes from April 2, 2014 meeting as presented.

IV. OLD BUSINESS

A. Project Status Updates – – Operations Manager Murray will provide the updates.

1. CAD/Mobile/Records Update to Premiere One Update - The project remains on schedule with a cut-over date of November 4, 2014. A report on CAD view-only licensing will be made under New Business.

2. WESCOM – The building cut-over date has been re-scheduled to mid-July.

4. Motorola “Bundle” Project – Staff is working with Motorola to implement the various parts of the “bundle”. The Disaster Recovery hardware is scheduled to be shipped from HP, received, and installed by June 6th.

5. County Radio Project – Tusa Communications Consultants of Covington, La. is the vendor for the project.

6. Fiber to PSAP Connectivity – RFP’s have been received and a report will be made under New Business.

7. CAD Mobility Connectivity – Proposals have been received and a report will be made under New Business.

V. **NEW BUSINESS**

A. PI CAD View Only Licenses Station Monitoring – When we installed Premier CAD in all of our fire and police stations they were never licensed by Motorola. As a result we and our fire and police agencies have accepted having CAD workstations in their buildings as the “norm”.

With the PremierOne CAD upgrade we would like to enable fire and police stations to continue to utilize CAD for Pre-Alerts, Monitor Field Activity, Perform Incident Recalls, Produce Unit History Reports, etc. Basically, we would like to mirror the applications they have available today.

We are basing the costs of this project on a total of 120 stations with one license per station. Originally we were quoted a full CAD license cost of \$14,750 per license. Our Project Manager Joanne Burian, explained to Motorola that a full CAD license would be “over-kill” for our needs. Since Motorola does not provide a PremierOne CAD “Light” license, Joanne was able to work with Motorola to procure a “View Only Client License” at the cost of \$1,180.00 per license.

With further discussion Motorola was able to further reduce their per license cost for 120 licenses to \$980.00, for a total cost of \$117,600. The product comes with a 12-month warranty. Additional two-years of warranty would cost \$44,280.

MOTION: To recommend to the Finance and Equipment Committee to approve the purchase of the PremierOne CAD View Only Licenses in the amount of \$980.00 each for a total of \$117,600.00 for 120 licenses. An additional two-year’s of warranty for the licenses is also recommended at a cost of \$44,280.00. The total purchase would be \$181,880.00.

B. Mobile Connectivity – With the PremierOne Mobility Solution we will be taking over the message switch for our mobile applications. We will no longer be connecting to mobile units via IWIN.

While Motorola will allow this program to function without additional software or security it is extremely time consuming and impractical for the IT Staff to do so. The Staff reported;

“We were able to successfully get two mobile clients simultaneously to connect to the server without use of any VPN client. To connect successfully in this configuration we would still have some specific requirements which would impose some connectivity limitations.

We would still require a static IP on the wireless card.

The mobile client would not successfully connect using a MiFi wireless device. (The MiFi solution is what a lot of agencies are asking for.)”

In order to allow the mobile client to transition from the wireless mobile carrier to an internal network will require certain other requirements and steps in order to make the transition;

- The mobile configuration tool would need to be run each time the transition takes place, regardless of the direction of the transition (LAN to Wireless or Wireless to LAN) – this means to take a device from the car into a station and then back out to the car, it would have to be run twice.

- The LAN address would only be routable from the WC9-1-1 supplied local network address.
- A NAT overload from an agency network would not be able to be used, but a one-to-one NAT may work – we require further testing to prove this concept personally, but Motorola has seen it work.
- Client IP addresses would have to be statically configured and maintained in the Firewall.WC9-1-1

In discussing this problem with other PCAD1 users Staff was able to determine that others have been able to accomplish this task with the support of mid-ware software to facilitate connectivity to mobile units. Staff indicated that,

“In contrast, if we were to implement a mobile VPN solution, such as NetMotion or Radio IP, most if not all of these restrictions will go away. A static IP would no longer be required and the use of a MiFi would also work allowing multiple devices to share a single MiFi simultaneously. Connectivity for the mobile's would truly become mobile as the VPN client will seamlessly roam from any Internet connected network to any other Internet connected network and use any interface available on the mobile. It would furthermore simplify and streamline the installation packages for the mobile software for both WC9-1-1 and local IT staffs management of the mobile units. A mobile VPN solution would also add a layer of encryption between the device and our terminating server in our data center, as well as provide a foundation for CJIS FIPS-140 encryption and HIPPA security requirements. Radio IP and Net motion both would provide these features per their feature list.”

Motorola agreed with the staff findings and suggested that the best compatibility can be found in two possible product solutions; NetMotion Software or Radio IP Addressing Software. The IT staff looked into both products and interviewed P1 CAD users from other agencies on the product performance. It is felt that the NetMotion product is the best fit for our mobile application. The Staff report added;

“Additionally, NetMotion also has a policy management feature which would allow us to prioritize the data per application as well as a network access control or NAC feature which would give us the capability of enforcing network security compliance requirements such as requiring machines to be current with windows updates and antivirus definitions which are some of the basic requirements of the CJIS policy.”

We reached out to Motorola to see if they were able to obtain a better licensing cost through their business partnership with NetMotion. Our initial budget estimates were about \$200.00 per unit for 1,000 licenses or \$200,000.00. The NetMotion Product meets the County's Purchasing Policy for waiver of bids due to its Federal Purchasing Program authorization.

Motorola's response was that they could not purchase the product for the cost we were being quoted due to government pricing. Further discussion with CDW's Government Product Group attained a 10% discount with the bulk purchase of 1,000 licenses reducing the price to \$122.50. There is a \$4,571.33 installation package. The product comes with a one-year warranty. An additional 2 years of warranty coverage would be an additional \$60,500.00.

MOTION: To recommend to the Finance and Equipment Committee to approve the purchase of the NetMotion Licenses and installation package in the amount of \$127,071.33 for 1,000 licenses. An additional two-year's of warranty for the licenses is recommended at a cost of \$60,500.00. The total purchase would be \$187,571.33.

C. Fiber Connectivity to the PSAP's – The RFP for this proposal is due at 3 pm, Friday, May 29th. A report will be provided to the Committee at the meeting on Wednesday, June 4th.

VI. ADDITIONAL COMMENTS

A tour of the Wescom Facility will be provided following the meeting.

VII. MOTION TO ADJOURN

All closed sessions may be held at anytime during the meeting. Anyone requiring special accommodations in accordance with the Americans with Disabilities Act is requested to contact the Administrative Offices of the Emergency telephone system board at (815) 725-1911 at least 72 hours prior to the meeting.