

**PIMA COUNTY WIRELESS INTEGRATED NETWORK
(PCWIN)
EXECUTIVE MANAGEMENT COMMITTEE**

Pima County Sheriff's Administration Building
1750 East Benson Highway, 3rd Floor
Thursday, May 24, 2007
9:00 a.m.

SUMMARY OF MEETING

Note: The following is a summary of what transpired at the May 24, 2007 EMC meeting. Cassette tape and materials provided are available upon request.

I. Call to Order: Captain Paul Wilson, Alternate Chairman, 9:00 a.m.

Roll Call: Catherine Hanna, Pima County Sheriff's Department

Members Present

Captain Paul Wilson, Pima County Sheriff's Department (*2nd Alternate*)
Chief Daniel Sharp, Oro Valley Police Department
Chief Richard Saunders, Tohono O'odham Police Department
Mr. Dennis Douglas, Pima County OEM & Homeland Security
Asst. Chief Ray Allen, Tucson Fire Department (*1st Alternate*)
Chief Richard Vidaurri, Marana Police Department
Deputy Chief Kermit Miller, Tucson Police Department (*1st Alternate*)

Members Absent

Sheriff Clarence Dupnik, Pima County Sheriff's Department
Chief Douglas Chappell, Drexel Heights Fire District
Chief Jeff Piechura, Northwest Fire District
Chief Dan Newburn, Tucson Fire Department
Chief Richard Miranda, Tucson Police Department

Others Present

Chris Balderson, M/A Com	Mike Sacco, Pima County Sheriff's Dept.
Manny Barreras, Motorola	Larry Sayers, PC Wireless Services
David Bremson, M/A Com	Rodney Sieniawski, Motorola
Shannon Collier, Sahuarita Police Dept.	Kevin Trick, South Tucson Fire IT
Bob Couch, SAIC	Isaiah Twombly, City of Tucson
William Fleming, Motorola	Paul Withington, Lockheed Martin
William Guerra, Lockheed Martin	
Steve Howard, TYCO	
Pat Joy, PCSD Communications	
John Moffatt, Pima County IS Department	
Patty Moore, IB MobileNet	

II. Approval of Minutes
Captain Paul Wilson, Pima County Sheriff's Department

Captain Wilson proposes approval of the minutes for the April 26, 2007, Executive Management Committee (EMC) meeting. Asst. Chief Allen moves to approve the minutes and Chief Sharp seconds the motion. Motion is unanimously carried.

Materials provided: EMC summary dated April 26, 2007.

III. Committee Appointment
Captain Paul Wilson, Pima County Sheriff's Department

Captain Wilson explains that Acting Chief Sharon Hayes, of the South Tucson Police Department, has recommended Sergeant Richard Munoz to represent the police department on the User Committee.

Captain Wilson motions to authorize Sergeant Munoz to represent the South Tucson Police Department as part of the User Committee. Chief Sharp seconds the motion. Motion unanimously carries.

IV. Executive Session
Captain Paul Wilson, Pima County Sheriff's Department

NOTE: Item IV will be addressed under executive session following Committee approval. Captain Wilson encourages audience members to remain in the building for additional items on the agenda.

Captain Wilson motions that the Executive Management Committee go into executive session to discuss agenda items IV.B, Acquisition of 1212 S. Palo Verde; and IV.C, Tenant leases 3434 E. 22nd Street. Dep. Chief Miller seconds the motion. Motion unanimously carries.

Executive Session, 9:08 a.m.

Executive Session Complete, 9:30 a.m.

Captain Wilson moves to authorize Pima County Real Property Management to proceed with negotiations of purchase for Lots 1-4 on Block 16, Parkview Addition; and Lot 164 in Citation Park in Tucson, Arizona. Chief Sharp seconds the motion. Motion unanimously carries.

Items V-X resume in the public meeting.

Tohono O'odham Nation Update
Captain Paul Wilson, Pima County Sheriff's Department

Captain Wilson explains that on May 3, 2007, he had the opportunity to meet with five (5) representatives of the Nation's Domestic Affairs and Cultural Affairs Oversight Committees. His presentation included upcoming PCWIN planning activities, PCWIN project benefits to the Nation, and anticipated impacts PCWIN may have on the Tohono O'odham Nation.

Captain Wilson refers the Committee to a copy of the PowerPoint presentation for review.

Captain Wilson explains that following the meeting, the Nation requested additional information on Kitt Peak, stressing two (2) areas of concern: an understanding of what the system design would look like without Kitt Peak, and what the impacts would be to the Nation as a result. CTA Communications drafted a Word document and coverage maps to view their findings. Captain Wilson intends to provide those findings to Chuck Kmet, Emergency Management Administrator.

Impact without Kitt Peak (Voice Radio Coverage)

Captain Wilson explains that without Kitt Peak, the overall footprint is reduced, although a substantial amount of coverage remains, largely due to surrounding sites located off the Nation. This will create large holes of coverage on the Nation. Additionally, mobile data coverage will decrease dramatically.

The overall impact on the voice radio system will prove negative and reduce the robustness of the network. The connectivity network has allowed for looped technology (redundant paths) to each of the radio sites; if a path fails, there is always another path to utilize. If this key site is taken out of the Conceptual Design, a large amount of link redundancy would be lost. This, not only, proves negative for the Nation, but the project as a whole.

Captain Wilson explains that when the propagation predictions were created, they showed a composite of coverage when all the sites are functioning. When Kitt Peak was turned off, "filler sites" (sites which overlap in coverage) near Quijotoa and Kitt Peak were shown to assist in coverage for the Nation. Captain Wilson cautions that those filler sites do not have microwave connectivity; they operate on solar power; and have a limited number of channels for use. This would result in radio traffic having to use other sites, which may not be equipped to handle additional loads of radio traffic. Captain Wilson explains that all impacts are illustrated in the documents and maps which will be provided to Asst. Chief Kmet for distribution and feels that discussing those findings would provide a better explanation on what the Nation would face without PCWIN's use of Kitt Peak.

Chief Saunders explains that Captain Wilson's explanation was thorough and describes the Nation's limitations as it stands today.

Captain Wilson explains that the Nation's representatives have made a case to Washington representatives about the cultural relevance of Kitt Peak and the impact the Kitt Peak National Observatory would have on the site. If the Council were to approve additional construction to assist PCWIN, this may be viewed as contrary to their testimony in Washington and the legal action they have taken against the astronomy community to remove telescopes from the site. Captain Wilson understands that this puts the Nation in a difficult position and stresses his respect for their right as a sovereign Nation to make that decision. He notes that the Executive Management Committee seeks approval of the proposed MOU no later than June 30, 2007.

Additionally, Captain Wilson learned that the Nation is proceeding with their Homeland Security Grant project (totaling \$558,000), which will assist in microwave improvements from Kitt Peak down to Sells and back to Quijotoa. The Nation has since received that microwave equipment. Captain Wilson adds that the Nation intends to replace the radio shelter at Kitt Peak with a new 10' x 16' portable container-type facility, which may allow space that PCWIN needs to locate necessary equipment for the project.

In regards to the antenna tower, two (2) currently exist: one (1) which supports public safety communication, and one (1) which supports the utility authority's communication. The Nation intends to speak with the Tohono O'odham Utility Authority about the possibility of increasing the height of the utility company tower at Kitt Peak to support microwave dishes which will be installed as part of the grant project. Captain Wilson encourages the Nation's representatives that they include PCWIN in their future activities.

Chief Sharp asks how the Nation can request and receive \$558,000 from the Department of Homeland Security for additional construction and site improvements to the Nation, but plan for possible deconstruction at the same time. Captain Wilson explains that the cause may be a miscommunication between the Districts and the Tribal Government. A couple of the Committee members expressed their opinions that they felt the resolutions passed by the Districts should not have passed. Chief Saunders reminds the Committee that the Districts have given PCWIN their full support for the project. Chief Sharp asks if the Nation voted to accept the \$558,000. Captain Wilson states, "yes." Chief Sharp explains that the Nation's support should be a good sign for future support. Captain Wilson explains to Chief Saunders that he is available if the Nation needs additional dialogue on the project.

Materials provided: Tohono O'odham Nation Legislative Council Briefing PowerPoint handout provided by Captain Paul Wilson on May 3, 2007.

V. Senate Bill 1549
Captain Paul Wilson, Pima County Sheriff's Department

Captain Wilson explains that on May 1, 2007, the Governor signed Senate Bill 1549 into law, which would limit liability for public entities or their employees who are involved in developing, operating, implementing or maintaining, a public safety radio communications network. Committee members can find this amended law under *A.R.S. § 12-713, Emergency call system; public safety radio communications network; liability standard.*

VI. CTA Status Report
Ms. Cheryl Giggetts, CTA Communications

Ms. Giggetts explains that the Business Plan is the last piece of Phase One of the project, which has gone through two (2) reviews. Selected PCWIN committee members met on May 23, 2007, to provide feedback and recommend changes to CTA Communications. Another review is anticipated in mid-June 2007, and the final document is anticipated in late June 2007.

Ms. Giggetts explains that CTA continues to work on the *Legacy Communications Systems – Estimate of Cost* piece requested during April's Committee meeting, which provides a cost benefit to partnering agencies' current operations and maintenance costs to their legacy communications systems.

Ms. Giggetts explains that the RFP Specifications document has gone through multiple reviews and continues to progress. CTA anticipates all feedback will be returned and reviewed by the end of next week. CTA has requested that they receive ample time to integrate the requested changes into the final document, which is anticipated mid to late June 2007. The final document will be forwarded to Pima County Procurement and Pima County Legal to ensure the document conforms to their standards. Vendor distribution is expected for late summer.

Captain Wilson explains that a draft of the Estimate of Cost spreadsheet was recently provided by Mike Dye (CTA). The spreadsheet is comprehensive and Captain Wilson will forward it to partnering agencies in an effort to document current costs for operating and maintaining their legacy communications systems. Ms. Giggetts cautions the Committee that the Nation's participation impacts the RFP Specifications document release. If changes are to be made, a delay in distribution may occur.

Captain Wilson refers to the Committee for questions. He receives no response.

Materials provided: CTA Communications PCWIN Project Status Report, dated May 23, 2007.

VII. FCC Announcement on 700 MHz Broadband Mobile Data-Impact on PCWIN Mobile Data Project
Captain Paul Wilson, Pima County Sheriff's Department

Captain Wilson explains that the FCC recently drafted a Notice of Proposed Rule Making (NPRM), which gives direction and guidance about mobile data. PCWIN's conceptual design intends to take advantage of wideband channels which were supposed to be available in the 700 MHz spectrum. The licenses in that spectrum would have allowed entities to license channels at 50 KHz and to aggregate up to 150 KHz for more broadband applications. Although the NPRM is not an order at this time, the FCC has made it clear that they do not intend to follow this rule, but will explore other options and create a nationwide public safety mobile data network which will be run by a non-profit or commercial carrier. This network would permit public safety entities to purchase services which will give public safety channel priority; options not currently provided today.

Captain Wilson explains that this information requires the Committee to make some decisions on where they would like to take the data project. He stresses that the Committee has to realize that the current design of the mobile data and radio project are inter-dependent because PCWIN needs to have the frequency resources to build the voice radio system in 800 MHz. PCWIN will have to pull a number of frequencies out of the Tucson Police Department mobile data system (16 total), move them into an 800 MHz voice system, and replace their mobile data system with a new 700 MHz mobile data system.

Captain Wilson explains that the Committee can continue with the current plan and utilize the narrowband 700 MHz channels or wait to see what the FCC decides and delay until the nationwide network builds out, which could take years. Captain Wilson feels that PCWIN should move on with their current plan, which is to utilize the narrowband 700 MHz channels. Additionally, the City's current mobile data system is aging and desperately needs to be updated.

Captain Wilson explains that invited members from the User and Technical committees (technicians from the City of Tucson, Pima County, and the Town of Marana) met on May 23rd to discuss options regarding PCWIN's mobile data system. The group recommended that PCWIN continue to move forward with the private mobile data system in the 700 MHz band, using the narrowband channels. Additionally, the group suggested that the RFP include text giving PCWIN members an opportunity to evaluate the performance of existing data products to determine whether PCWIN is taking a step forward or backward with presented proposals. Captain Wilson reminds the Committee that PCWIN's mobile data system not only plans to support the mission critical aspects (CAD, RMS), but it will also support AVL features of the project.

Ms. Giggetts recommends that PCWIN continue to plan with the narrowband 700 MHz channels and cautions the Committee that it's important to maintain the voice radio system plan in the 800 MHz. Language can be added in the RFP document to include statistics on the current mobile data systems from Pima County, the City of Tucson, and the Town of Marana. This will allow potential vendors to know what the existing environment is for each entity and decide whether they can meet or exceed their expectations.

Chief Sharp asks what drove the FCC to change their position on mobile data. Captain Wilson explains that several vendors have drawn up plans for a nationwide network, forcing the FCC to think globally. Although unfortunate, Captain Wilson explains that he sees only one (1) viable option. Chief Sharp motions for PCWIN to continue planning with the narrowband 700 MHz channels and include language in the RFP document to provide statistics on the current mobile data systems from Pima County, the City of Tucson, and the Town of Marana. Captain Wilson seconds that motion. Motion unanimously carries.

IX. New Business, Captain Paul Wilson, Pima County Sheriff's Department

Captain Wilson asks if anyone would like to address the Committee. He receives no response.

X. Call to the Public

Captain Wilson asks if anyone in the audience would like to address the Committee. He receives no response.

Captain Wilson motions that the Executive Management Committee go into executive session to continue discussions on Item IV.A, PCWIN Business Plan. Dep. Chief Miller seconds the motion. Motion unanimously carries. Audience members are dismissed.

Executive Session, 10:02 a.m.

The Executive Management Committee continues their discussion on the PCWIN Business Plan Report.

Executive Session Complete, 11:08 a.m.

XI. Date-Time-Location of Next Meeting(s)

Thursday, June 28, 2007 @ 9:00 AM
Pima County Sheriff's Department
1750 East Benson Hwy
SOC/3rd Floor

XII. Adjournment

Captain Wilson asks for a motion for adjournment. Chief Sharp moves to adjourn the meeting. Captain Wilson seconds the motion. Motion is unanimously carried.

Meeting adjourns at 11:09 a.m.

Minutes prepared by: Catherine Hanna