



**Regional Wireless Cooperative**  
 Board of Directors  
 Agenda  
 January 23, 2014

	ITEM	PRESENTER
1)	<b>Call to Order, Roll Call, Opening Comments</b>	Vice Chair Hartig Scottsdale
2)	<b>Approval of RWC Board Meeting Minutes from November 21, 2013</b> This item is for information, discussion and action.	Vice Chair Hartig Scottsdale  Est. 2 min
3)	<b>Update on the 700 MHz Narrow-Banding, TDMA Conversion Lifecycle Update – Hardware Upgrade Phase</b> The purpose of this item is to update the Board of Directors on the 700 MHz Narrow-Banding Hardware Upgrade. <b>This item is for information and discussion.</b>	Mr. Bill Phillips Phoenix ITS & Mr. David Felix - RWC Executive Director  Est. 10 min
4)	<b>7.11 System Enhancement Release (SER)</b> The purpose of this item is to update the Board of Directors on the schedule for the 7.11 SER. <b>This item is for information and discussion.</b>	Mr. Bill Phillips Phoenix ITS & Mr. David Felix - RWC Executive Director  Est. 5 min
5)	<b>800 MHz Re-Banding</b> The purpose of this item is to update the Board of Directors on the 800 MHz Re-Banding project. <b>This item is for information and discussion.</b>	Mr. Bill Phillips Phoenix ITS & Mr. David Felix - RWC Executive Director  Est. 5 min



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<b>6)</b>	<p><b>Other Project Updates:</b></p> <ul style="list-style-type: none"> <li>A. Avondale Console Replacement</li> <li>B. Goodyear Police Department Transition</li> <li>C. Maricopa County Community College District Project</li> </ul>	<p>Mr. Bill Phillips Phoenix ITS &amp; Mr. David Felix - RWC Executive Director</p> <p>Est. 5 min</p>
<b>7)</b>	<p><b>Governance Working Group Update</b>          This purpose of this item is to update the Board of Directors on the continued efforts of the Governance Working Group.  <b>This item is for information and discussion.</b></p>	<p>Vice Chair Hartig Scottsdale &amp; Mr. David Felix – RWC Executive Director</p> <p>Est. 10 min.</p>
<b>8)</b>	<p><b>Executive Director Update</b></p> <ul style="list-style-type: none"> <li>A. Schaumburg Visit/VPM</li> <li>B. Las Vegas Metro Police Department Visit</li> <li>C. University of Phoenix BDA Replacement</li> <li>D. ASU Membership</li> </ul> <p><b>This item is for information and discussion.</b></p>	<p>Mr. David Felix – RWC Executive Director</p> <p>Est. 10 min.</p>
<b>9)</b>	<p><b>Call to the Public</b>  <b>This item is for information only.</b></p>	<p>Vice Chair Hartig Scottsdale</p>
<b>10)</b>	<p><b>Announcements &amp; Future Agenda Items</b>          The purpose of this item is to communicate any Board announcements or future agenda items.          The date of the next Board Meeting: March 27, 2014 from 10:00 – 12:00.  <b>This item is for information only.</b></p>	<p>Vice Chair Hartig Scottsdale</p>
<b>11)</b>	<p><b>Adjourn</b></p>	<p>Vice Chair Hartig Scottsdale</p>



**Board of Directors  
MINUTES  
January 23, 2014**

Maricopa Association of Governments  
302 N. 1<sup>st</sup> Avenue  
Phoenix, Arizona 85003

<b>Board Members Present</b>			<b>Board Members Absent</b>
Brent Ackzen	Chris DeChant**	Danny Johnson	Steven Campbell
Paul Adams*	Jim Haner	Paul Luizzi**	Marc Walker
Brenda Buren**	Bob Hansen	John Poorte*	Tim Van Scoter
Wayne Clement	Brad Hartig	Rob Sweeney*	
Mike Cole*	John Imig* (**)	Paul Wilson**	
Bob Costello	Lonnie Inskeep		
*Board Alternate	** Telephone Participant		

**Staff and Public Present**

Michaelanne Acree	Kim Engle	Shannon Tolle	
Kelli Butz	David Felix	Tim Ulery	
Jim Case	James Hughes		
Dave Clarke	Doug Mummert		
Dave Collett	Cy Otsuka		
Jesse Cooper	Bill Phillips		
**Telephone Participant			

**1. Call to Order, Roll Call and Opening Comments**

Vice Chair Hartig called the meeting to order at 10:00 AM.

An announcement was made that Chair Campbell was not able to attend the meeting.

**2. Approval of RWC Board Meeting Minutes from November 21, 2013**

A **MOTION** was made by Bob Hansen and **SECONDED** by Jim Haner to approve the RWC Board meeting minutes from November 21, 2013. **MOTION CARRIED UNANIMOUSLY (17-0)**.

3. **Update on the 700 MHz Narrow-Banding, TDMA Conversion Lifecycle Update – Hardware Upgrade Phase**

Mr. David Felix announced that this item and the remaining items on the agenda are for information only. The emphasis was to take advantage of a less packed agenda and provide the Board with updates on a number of ongoing projects that may have typically not been able to be reported on in the past due to time constraints.

Mr. Bill Phillips reminded the Board that this project is a result of having to meet a federal mandate. The Board approved this project at the March 28, 2013 Board meeting. Project costs of \$25.4M and the distribution of those costs remain unchanged. The project schedule is aligning well with the 800 MHz Re-banding effort and is still on target for the completion date of December 2016. The contract with Motorola has come in lower and therefore there may be a surplus. After it is known what the result of re-banding will be, an update of final costs can be given and at that time the Board can discuss what to do with the surplus, if any.

The System Enhancement Release project is now being completed which caused a slip in this project's schedule. Major parts of the upgrade should be completed next week but some ongoing work will continue for about another week. Next week Motorola will be installing two new channels in Simulcast F. Once that is done, along with some antenna work on South Mountain, Simulcast C can begin to be shut off and upgrades done to that subsystem. One risk of turning off Simulcast C is some reduced coverage in Chandler and the City of Maricopa. What is being done to mitigate that is to install some directional antennas on the overlay site at South Mountain, which will provide more signal strength in Maricopa. Work on the Chandler Fire Training Academy site and South Mountain site will be done first so if that coverage is needed Simulcast C can be brought back on in partial mode.

Mr. David Felix noted there have been some inquiries from the Finance Department regarding the budget in general, and special assessments. The RWC staff is working with the Finance Department to resolve their questions.

4. **7.11 System Enhancement Release (SER)**

**Voice Processing Module (VPM) Issues** – Mr. Bill Phillips noted that the Board was advised at the November meeting about some upgrade and voice processing module issues. The Board was reminded that Chief Campbell headed up a RWC team to address these issues with Motorola. Main focus at that time was on VPM which handles all the audio components of the new

MCC7500 dispatch consoles. The issues at that time were application freezes, random reboots and missing audio. The 7.11 issues related around the specifications, configuration files, poor documentation and support and training. Motorola assembled a black belt team and Mr. David Felix met with the team in Schaumburg in December.

Mr. David Felix commented that he and Todd Rogers of the Phoenix ITS staff went to Schaumburg for staging and to meet with Motorola and the Black Belt team. An A to Z description was given by them of what the issues have been. A conference call was held this past Friday with Motorola and Chief Campbell and the group is satisfied with the progress that has been made. Due to the large number of consoles being deployed in Mesa and Phoenix it is important that these issues be fully vetted. There will be more information to follow on this topic in the Executive Director's Update later on.

Mr. Bill Phillips stated that the team has addressed the missing audio cause and has a fix for that. The team has also identified possible causes for the application freezes and reboots. There is new software and hardware testing in Tempe now which has been operating for two to three weeks now. An update with Motorola on January 17<sup>th</sup> provided a high level overview of what the VPM architecture consists of, showing the areas that are being worked on and a very detailed description of what they are doing when our VPM modules come back to them. Some heat shields have been removed that have been causing reliability issues, solder mass density has been increased to improve reliability, some RJ45 connections have been improved, the inspection process was improved, and they changed how they store boards (from horizontal to vertical).

Software and hardware corrections in Tempe that allow repeaters to be able to come back up in the same state (instead of the "off" position) after a console reboot may not be working.

Ms. Brenda Buren from Tempe noted that the repeater piece seems to be working but they are still experiencing issues with audio failures locking up a position. She confirmed that it was not on a new position.

Mr. Bill Phillips stated that a new software release is coming up at the end of March to correct the two reset conditions Motorola found, and corrects audio loss, provides more diagnostics and testing capability, and preserves the log so it won't get lost when the machine gets turned off. A concern is that it is not known if the two identified VPM reset conditions are the ones that we are experiencing due to not enough information in the logs.

The new release raises critical timing issues, for example, it will delay the Phoenix console replacement until the City is satisfied that the VPMs will perform the way they should. Those putting in new consoles should realize that the problems have not been corrected, even though they probably can't change their respective schedules (Maricopa Community College, Avondale and Goodyear).

Mr. David Felix stated that consoles and portable radios are the responsibility of the members. It is effective however, through the Operations Working Group and the Motorola Scorecard, when multiple members are experiencing similar issues that the RWC help to facilitate discussions to help resolve these issues.

**7.11 Issues** – Meetings have taken place with Motorola and applications and configuration file problems have been resolved. Other items are being worked on. The Scorecard will be used to facilitate resolutions with regard to support documentation and training. Motorola is leaving an upgrade member behind after an upgrade to assist the local team in finishing up and to provide a more direct avenue back to Motorola in case there are issues. Software upgrades are roughly every two years and Motorola periodically uses enhancement releases which we are doing right now (started January 13 through January 27) with new features and to fix known problems. The implementation of this release is going very smoothly.

Mr. Bill Phillips thanked everyone for their help working with the team and Motorola to change the implementation timeline so that it would have minimum operational impacts.

Two things that the SER should correct are site controller contention which disrupts communications and “No Comms” errors which affects many of the routers. One positive thing with the 7.11 upgrade is that when site controllers are changed they are back online within 10-20 seconds instead of 2-3 minutes.

## 5. **800 MHz Re-Banding**

This project is to comply with a Federal mandate to re-band the 800 MHz frequencies and eliminate the interference that occurs between public safety and cellular carriers. The project cost is being funded by Sprint/Nextel. We are converting 800MHz frequencies to 700MHz and using the “cash out” option so that we get a check that we can use toward funding our 700 MHz Narrow-banding project. The estimated amount from the “cash-out” option is \$4.3M. Our team is in the process of developing our cost proposal; Motorola, our contracted consultant, and our contracted attorney are developing their cost proposals.

Mr. Phillips thanked everyone who helped him with data via the surveys that were sent out. There is a meeting January 29<sup>th</sup> with Motorola consultants and the RWC team to start consolidating the input into the package that needs to go to the Transition Administrator on February 17<sup>th</sup>. Negotiations should be able to start as early as March.

## 6. **Other Project Updates**

**Avondale Console Replacement** - They are replacing their Gold Elite consoles with the new MCC7500s. Some equipment has been installed already

and they are working with Creative Communications to establish the connectivity needed into the RWC. Targeted completion is March 2014.

**Goodyear Police Department** – The current plan is to transition Police onto the network in the May 2014 timeframe. As soon as their new dispatch center is complete they will install their consoles and begin the cut-over of their police.

**Maricopa County Community College District** - MCCCCD is centralizing their police dispatch and transitioning their police onto the RWC network. They have their radios and talkgroup plan and will probably complete programming of their radios next week with console installation and cut-over in March.

7. **Governance Working Group Update**

Mr. Hartig noted that the GWG is back in session since the holidays. Had a meeting on January 16<sup>th</sup> and the purpose was to re-establish the schedule for future meetings and to develop the agenda and key discussion points for the JOWG meeting on January 22. Also, the group continued on the creation of the draft Regional Communication Authority (RCA) governance document which is an accumulation of both the TRWC and RWC cooperative documents. Two outcomes for the JOWG were to go over the Definitions outlined in the RCA and to review the language; secondly we solicited input for the Organizational Responsibilities and Board Structure of the RCA. A draft list was drawn up from the group for the Organizational Responsibilities and they are as follows: Administrative Manager which is the RCA staff (Executive Director, Administrative, Finance); Network Manager is responsible for the day to day operations of the system; Maintenance Manager is responsible for supporting the radio network or some portion of the radio network; a new role is Encryption Manager who is responsible for the management of the encryption keys; and Subscriber Manager which is the responsibility of each member.

Next meeting is January 30<sup>th</sup>. The group meets every other week on Thursdays for four hours. Current activities are to continue merging the documents and anticipate completion in the spring of 2015. A review will then be necessary by the TRWC and the RWC (by mid-2015) with full government ratification by all members by mid-2016, and integration of the two systems in 2017. The group is working very diligently to bring the project timeline back as much as possible. The development of the language needs to be constructed then get weigh in from the TRWC and RWC Boards, and then buy in from each City management and Council and integration of the system.

Mr. David Felix added that there will be ongoing discussions with the Boards. We have about 5 years of experience now using this governance and operating the two systems so there's a lot of background information and knowledge on the operational for a practical way to incorporate things. Ms. Kelli Butz has been asked to assist in the financial aspect of the governance to assure things are being done as they were originally conceived. The information flow and what was gotten from the JOWG meeting yesterday was very important and it is important to keep people informed.

**8. Executive Director Update**

**Schaumburg Visit/VPM** – Mr. David Felix noted that he and Mr. Todd Rogers from the Phoenix Radio Shop attended the visit at Motorola and they were great hosts. The visit included a tour of Motorola's very large warehouse full of staging equipment. They looked at the operation of Simulcast C and Mr. Felix and Mr. Rogers signed off on that. Equipment will be shipped to us and installed. They were greeted by the Black Belt team and listened to the process of how they are trying to resolve VPM and other issues. Went to some of Motorola's laboratories to see how they physical test issues under dynamic and torturous conditions.

The briefing by their network operations group showed that after hours our networks are being monitored by Schaumburg and if there are any failures or alarms our IT staff is notified. The ability to identify pieces of equipment and its location is very important to dispatch technicians to the correct location. Has been some problems with that in the past so it was important to see how they take these calls in. The system is older and will be improved upon.

He recommends that two technical people be sent back to Schaumburg when there is equipment being staged to attend that and sign off on it and that the experience would be beneficial to the technical staff.

**Las Vegas Metro Police Department (LVMPD) Visit** – Mr. David Felix noted that this visit was coordinated by Phoenix Police Department. LVMPD is deploying a Motorola P25 digital system and were here for four days (Jan 6-Jan 9). They were exposed to every aspect of our system and were briefed on governance, policies and procedures, police department dispatch, network operations, Phoenix Fire alarm room, and attended a JOWG meeting. They had a lot of questions and came away with a model to apply to the management of their system. Relationships were established that will be helpful in the future.

Vice Chair Hartig commented that the visit by LVMPD reflects highly on what we are achieving here in the Valley. There has been a lot of effort by Mr. Felix and staff within the City of Phoenix, and the tremendous commitment of the Board.

**University of Phoenix Bi-Directional Amplifiers (BDA) Replacement** – The old BDAs which are in-building treatment for security/fire/police personnel in the stadium are in need of being replaced in a timely fashion not to interfere with the Cardinals season and in time for the 2015 Super Bowl. Thanked Deputy Chief DeChant for bringing this issue to the attention of the stadium. The change-out of that BDA and any other systems will be done before the next Cardinal season and then any issues can be resolved prior to the 2015 Super Bowl. Negotiations are also in place with Jobing.com.

Deputy Chief DeChant commented that they have also been in discussions with Fire about creating a VHF solution because they are equally challenged with hazard zone communications on that side.



**ASU Membership** – Mr. David Felix thanked Board Member Brenda Buren from Tempe Police Department for opening the door with ASU and the Chief there. Had a meeting with ASU with an overview of the RWC and a second technical review meeting is upcoming to see what it will take to connect ASU to the system. A meeting took place with Motorola, Creative Communications and Phoenix ITS and once some options with associated costs have been created then further discussions can take place. Timing and costs will be important considerations for ASU.

9. **Call to the Public**

None.

10. **Announcements and Future Agenda Items**

Vice Chair Hartig stated that the next Board meeting is March 27, 2014, and the next Joint Board meetings are scheduled for May 22, 2014 and November 20, 2014.

11. **Adjournment**

A **MOTION** was made by Bob Hansen and **SECONDED** by Brent Ackzen to adjourn the meeting.

Vice Chair Hartig adjourned the meeting at 10:54 a.m.

Respectfully submitted,

Kim Engle, Management Assistant I



## BOARD OF DIRECTORS REPORT

TO:	Regional Wireless Cooperative (RWC) Board Members	Agenda Date:	January 23, 2014
FROM:	Bill Phillips, Phoenix ITS		Item 3
SUBJECT:	<b>700MHz NARROW-BANDING TDMA CONVERSION LIFECYCLE UPGRADE, HARDWARE UPGRADE PHASE</b>		

### PURPOSE

The purpose of this report is to inform the RWC Board of the status of the 700 MHz Narrow-Banding, TDMA Conversion and Lifecycle Upgrade - Hardware Phase project.

### BACKGROUND

This project is necessary to meet the federal mandate to narrow-band all 700 MHz frequencies by January 1, 2017, and perform key lifecycle upgrades to replace components that are no longer supported. The project was approved by the RWC Board on March 28, 2013 at a cost of \$25.4 M.

### DISCUSSION

The key points on the project status are as follows:

- Project costs are shown in Attachment A, and have not changed since project approval
- Distribution of costs to the Members (not shown), also remains unchanged
- Project schedule (see high level schedule in Attachment B) appears to be aligning well with 800 MHz Re-Banding
- Project start has slipped slightly, but completion will still be achieved by December 31, 2016

During the upgrade of Simulcast C, there is a risk of reduced coverage for the City of Maricopa. In order to mitigate the reduced coverage, the antennas on the South Mountain Overlay site will be converted to directional panel antennas to increase and focus the transmit signal in the Maricopa area. Motorola and staff have also developed a further mitigation strategy to complete the upgrade at the Simulcast C South Mtn and Chandler Fire Training Academy sites first, and partially re-enable Simulcast C to provide additional coverage if necessary.

In summary, the project is progressing well.

### RECOMMENDATION

This agenda item is for information, discussion and possible follow-up action.

Attachment A

<b>Summary of 700 MHz Narrow-Banding, TDMA, and Lifecycle Update Costs</b>	
<b>Hardware Upgrade Phase</b>	
Phase I: Simulcast C	\$3,888,500
Phase II: Simulcast A&B	\$15,848,100
Phase III: ISR's	\$1,042,500
New Phase IV Capacity Increase	\$6,885,900
RWC Staff, PM, Contingency, RWC Consoles	\$2,000,000
Total Costs to Accomplish 700 MHz Conversion and Lifecycle Upgrade Without Narrow-Banding	\$29,665,000
Credit for 800 MHz Re-Banding Cash-out	(\$4,300,000)
<b>Total Cost of Hardware Upgrade with Re-Banding Credit</b>	<b>\$25,365,000</b>

Attachment B

**700 MHz Narrow-Banding, TDMA Conversion, Lifecycle Upgrade - Hardware Phase  
High Level Project Schedule**

% Complete	Task Name	Duration	Start	Finish
<b>12%</b>	<b>Overall Project Schedule and Status</b>	<b>947 days</b>	<b>Wed 5/1/13</b>	<b>Wed 12/28/16</b>
100%	Contract Design Review	1 day	Wed 9/4/13	Wed 9/4/13
0%	SER 2 Upgrade (Not part of this SOW but a dependency)	10 days	Mon 1/13/14	Mon 1/27/14
0%	SIM F add 2 Channels	15 days	Tue 1/28/14	Mon 2/17/14
0%	Change antennas on South Mountain Overlay Site for improved	5 days	Tue 1/28/14	Mon 2/3/14
0%	Upgrade Simulcast C (Site Off-line)	255 days	Tue 2/18/14	Mon 11/3/14
0%	Upgrade Sky Harbor (Site Off-line)	54 days	Tue 8/19/14	Mon 10/13/14
0%	Upgrade Outlet Center (Site Off-line)	78 days	Tue 8/19/14	Fri 11/7/14
0%	Upgrade Simulcast B (Site Off-line)	305 days	Thu 1/15/15	Fri 11/20/15
0%	Upgrade Simulcast A (Site Off-line)	249 days	Mon 1/11/16	Tue 9/20/16
0%	Complete Punch List, Documentation	96 days	Wed 9/21/16	Tue 12/27/16
0%	Project Complete	1 day	Wed 12/28/16	Wed 12/28/16



## BOARD OF DIRECTORS REPORT

TO:	Regional Wireless Cooperative (RWC) Board Members	Agenda Date:	January 23, 2014
FROM:	Bill Phillips, Phoenix ITS		Item 4
SUBJECT:	<b>7.11 AND VOICE PROCESSING MODULE (VPM) ISSUES, AND 7.11 SYSTEM ENHANCEMENT RELEASE (SER)</b>		

### PURPOSE

The purpose of this report is to inform the RWC Board of the status of the 7.11 and Voice Processing Module (VPM) Issues, and the 7.11 System Enhancement Release.

### BACKGROUND

The RWC Board was advised of the 7.11 and VPM issues at the November 21, 2013 Board Meeting. Board Chairperson, Police Chief Steve Campbell headed up a group to address these issues with Motorola. The main focus was on the VPM and its performance which affects the life safety of officers and firefighters. The VPM was exhibiting application freezes, random reboots, and missing audio. The 7.11 issues included missing applications and configuration files, poor documentation, poor support, security assignments, lack of procedures for the local team and poor training.

### DISCUSSION

Motorola formed a highly visible, "black-belt" team to address the VPM issues, which represent the most critical issues facing the RWC. This team was able to resolve the missing audio issues, and has indicated possible causes of the random reboots and application freezes. New software and hardware is now in testing on two consoles in Tempe Police Dispatch, but the test period is still too short to provide solid assurance the problems have been addressed, although no problems have been reported to date. An update meeting is scheduled for Friday, January 17<sup>th</sup>, with the results to be reported verbally to the Board.

As for the 7.11 issues, Motorola met with RWC representatives and noted actions to correct the issues noted above. The missing applications and configuration files, and the security assignments have been corrected. Motorola indicates they are working on the other issues, which can only be tested at our next system upgrade. There is probably little that can be done with respect to improving documentation, but staff will not stop pressing for same. One positive action is Motorola's pledge to leave one Upgrade Operations staff member on-site for several days after the upgrade to assist and facilitate clean-up efforts and to resolve any problems that may occur after the upgrade team has returned to Motorola. This should improve support, and assist and direct the local team during their after upgrade clean-up.

Finally, the 7.11 System Enhancement Release (SER) is being implemented at this time. Implementation began on Monday January 13<sup>th</sup>, and will be completed by Monday, January 27<sup>th</sup>. RWC Network Operations has been working with RWC Members and Motorola on the Implementation Time Line and will keep Members informed of progress and scheduled downtimes. This release should close several key cases, such as site controller contention (where the primary and backup controllers both vie for control of the system), no communications to the routers (although the routers appear to keep working properly, the system cannot communicate with them to show their status).

#### RECOMMENDATION

This agenda item is for information, discussion and possible follow-up action.



## BOARD OF DIRECTORS REPORT

TO:	Regional Wireless Cooperative (RWC) Board Members	Agenda Date:	January 23, 2014
FROM:	Bill Phillips, Phoenix ITS		Item 5
SUBJECT:	<b>800 MHZ REBANDING UPDATE</b>		

### PURPOSE

The purpose of this report is to inform the RWC Board of the status and negotiations schedule for the RWC's 800 MHz Rebanding "cash-out" project.

### BACKGROUND

This project is to provide compliance with the FCC mandate to relocate the 800 MHz spectrum. The spectrum is being relocated to eliminate interference with the cellular carriers. The project is primarily funded by Sprint/Nextel. Rather than go through the actual re-banding process, the RWC intends to move off of the 800 MHz frequencies, and onto the 700 MHz band making the entire RWC system all 700 MHz. The RWC will negotiate with Sprint/Nextel to use the "cash-out" option, and the funding obtained from this effort will be used to offset the cost of the 700 MHz Narrow-Banding.

### DISCUSSION

For over three years, the RWC and Phoenix ITS staff have developed a cost proposal to reband RWC 800 MHz frequencies. This proposal will be used as the basis for negotiations with Spring/Nextel for the cash-out option. Final costs have been developed in cooperation with affected RWC members and Motorola.

Mr. Phillips will discuss recent activities, key meetings and timeline for actions. Successful negotiations with Sprint/Nextel could have a significant effect on reducing the costs of the 700 MHz Narrow-Banding project.

### RECOMMENDATION

This agenda item is for information, discussion and possible follow-up action.



## BOARD OF DIRECTORS REPORT

TO:	Regional Wireless Cooperative (RWC) Board Members	Agenda Date:	January 23, 2014
FROM:	Bill Phillips, Phoenix ITS & David Felix, RWC		Item 6
SUBJECT:	<b>OTHER PROJECT UPDATES</b>		

### PURPOSE

The purpose of this report is to update the RWC Board of Directors on various projects being managed by the RWC, Phoenix ITS, and affected Members.

### BACKGROUND

Previous Board meetings have necessitated addressing regular business activities of the RWC with minimal time to brief the Board on other projects. The following projects have required Phoenix ITS and RWC staff resources and coordination and will be discussed to provide the Board with project scope, timelines and impacts on network operations.

### DISCUSSION

- City of Avondale Console Replacement Project
- City of Goodyear Police Department Transition
- Maricopa County Community College District Project

### RECOMMENDATION

This agenda item is for information, discussion and possible follow-up action.





## BOARD OF DIRECTORS REPORT

TO:	Regional Wireless Cooperative (RWC) Board Members	Agenda Date:	January 23, 2014
FROM:	David Felix, RWC Executive Director Brad Hartig, Scottsdale CIO and RWC Vice-chairman		Item 7
SUBJECT:	<b>RWC/TRWC GOVERNANCE WORKING GROUP UPDATE</b>		

### BACKGROUND

On October 4, 2012 during the second meeting of the Joint RWC/TRWC Strategic Planning session, the participants formed a Joint RWC/TRWC Governance Working Group (GWG) comprised of members representing the two regional communications systems. The vision of the GWG is: *“To assure seamless radio and data communications to meet the operational needs of the users in a cost effective and sustainable manner.”*

### THE ISSUE

The GWG has met approximately every two weeks since its formation. It established a vision, mission and guiding principles to focus its efforts on meeting the stated vision. The GWG has engaged in a detailed evaluation of the various governance options in use by a number of systems across the country. The GWG utilized a “decision-making matrix” to structure the evaluation process and build consensus.

RWC Executive Director David Felix and RWC Vice-chairman Brad Hartig will brief the Board of Directors on the activities of the GWG; progress and results of the GWG meeting held on Thursday, January 16<sup>th</sup>. They will also brief the Board on a meeting held on Wednesday, January 22<sup>nd</sup> with members of the RWC/TRWC Joint Operations Working Group (JOWG) to seek input on the organizational structure of the Regional Communications Authority (RCA) draft governance documents.

### RECOMMENDATION

This agenda item is for information, discussion and possible follow-up action.



## BOARD OF DIRECTORS REPORT

TO:	Regional Wireless Cooperative (RWC) Board Members	Agenda Date:	January 23, 2014
FROM:	David Felix, RWC Executive Director		Item 8
SUBJECT:	<b>EXECUTIVE DIRECTOR'S REPORT</b>		

### BACKGROUND

The Executive Director will provide an update to the Board of Directors regarding the following issues:

#### A. Motorola Headquarters Visit and Tour:

During the December 2013 visit to Motorola Corporate headquarters in Schaumburg, Illinois, Executive Director Felix and Phoenix ITS Supervisor Todd Rogers participated in acceptance testing of the RWC's Simulcast C subsystem equipment; met with the team responsible for tracking and resolving Voice Processing Module (VPM) issues previously briefed to the RWC Board at the November 2013 meeting; and toured other key test areas of Motorola's facility.

#### B. Las Vegas Metro Police Department Phoenix/RWC Visit:

During the week of January 6 – 9, 2014; representatives of the Las Vegas Metro Police Department (LVMPD) met with Phoenix Police Department, Phoenix ITS and RWC staff for briefings and questions and answers related to RWC governance, technical issues, policy and procedure and police dispatch operations. LVMPD is deploying a Motorola P-25 radio system which will serve the metropolitan Las Vegas region and as far south as Laughlin, Nevada and Mojave County Arizona.

#### C. University of Phoenix Stadium Bi-Directional Amplifier (BDA) Replacement

Glendale Fire Deputy Chief Chris Dechant has taken steps to begin discussions with representatives of the University of Phoenix Stadium to fund and replace their 800 MHz in-building treatment (BDA) to coincide with the RWC's 700 MHz hardware equipment replacement project. Chief Dechant's goal is to have the University of Phoenix Stadium BDA replaced, tested and

operational before the 2014 Cardinals football schedule and 2015 Super Bowl.

D. Arizona State University (ASU) Membership Evaluation

At the request of the ASU Police Department, the RWC, Phoenix ITS and Motorola are in the process of evaluating the technical requirements, options, impacts and costs associated with potential RWC membership.