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Governor



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ARIZONA DEPARTMENT OF ADMINISTRATION

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October 31, 2012

The Honorable Don Shooter, Chair
Joint Legislative Budget Committee
Arizona State Senate
1700 West Washington St.
Phoenix, AZ 85007

The Honorable John Kavanagh, Vice Chair
Joint Legislative Budget Committee
Arizona House of Representatives
1700 West Washington St.
Phoenix, AZ 85007

Dear Senator Shooter and Representative Kavanagh:

Pursuant to A.R.S. § 41-3542C, the Arizona Department of Administration (ADOA¹) is pleased to submit its FY2012 annual report of expenditures and progress of the Public Safety Communications Advisory Commission (PSCC or Commission), including a review of staff operations. This annual report covers the activities of the Public Safety Interoperable Communications Office (PSIC), the PSCC and the Statewide Interoperability Executive Committee (SIEC), which is the operational/technical sub-committee of the PSCC.

The PSCC was established to make recommendations to PSIC on the development of a standard-based system that provides interoperability of public safety agencies' communications statewide. PSIC, PSCC and SIEC help to ensure that Arizona's public safety personnel, at all levels of government and within non-governmental organizations, have access to quality interoperable communication systems, are adequately trained, and utilize such systems effectively in multi-disciplinary, multi-jurisdictional incident response.

¹ Please see Attachment F: Definitions of Acronyms for a complete list of acronyms used in this report.

Arizona’s strategic initiatives leading to a statewide interoperability system are focused in five key areas (as defined by the U.S. Department of Homeland Security (DHS) Interoperability Continuum): Governance, Standard Operating Procedures, Technology, Training/Exercise, and Usage/Outreach.

The DHS Interoperability Continuum is a tool designed to aid the emergency response community and policy makers to ensure they address critical elements for success as they plan and implement interoperability solutions.

Strategic initiatives in these five areas are defined in Arizona’s strategic plan for interoperability entitled the Statewide Communications Interoperability Plan (SCIP)².

**SCIP Initiatives Alignment with AZ Statutes and
National Emergency Communications Plan (NECP) Requirements**

#	Section #	Continuum Category / Strategic Initiative	PSCC Statute: 41-3542 A							NECP Requirement	
			1	2	3	4	5	6	7		
1	5.8.1.1	<u>Governance</u> : Expand and Implement Interoperable Voice and Data Communications Governance Model and Plan	x	x	x	x				1.1.2; 1.1.5; 1.3.2 3.1.7; 7.2.5	
2	5.8.1.2	<u>Governance</u> : Develop Regional Communications Governance Structures	x	x	x				x	1.3.2	
3	5.8.1.3	<u>Governance</u> : Implement a Strategy for Supporting National Level Goals Applicable to Regional, State, Local, and Tribal Interoperable Communications		x		x				1.1.2; 1.1.5; 1.3.2 3.1.6; 3.1.7; 3.2.1; 7.2.4; 7.2.5	
4	5.8.2.1	<u>Standard Operating Procedures (SOPs)</u> Establish a Policies, Standards, and Procedures (PSP) Framework, and Implement PSPs, Including SOPs, for Statewide Interoperable Communications Solutions	x	x					x	x	1.3.2; 3.1.6; 3.1.7; 3.2.1
5	5.8.3.1	<u>Technology</u> : Enhance and Promote the Arizona Interagency Radio System (AIRS) Interoperable Communications Solution	x								3.1.6
6	5.8.3.2	<u>Technology</u> : Implement, Enhance and Promote Functional Regional Voice and Data Systems in Support of Interoperable Communications	x								3.1.6

² www.azpsic.gov/SCIP/

7	5.8.3.3	<u>Technology</u> : Upgrade the Statewide Microwave Backbone Infrastructure to Digital Technology	x							
8	5.8.3.4	<u>Technology</u> : Sustain the State Strategic Technology Reserve (STR)	x							7.2.5
9	5.8.3.5	<u>Technology</u> : Upgrade Operable Voice and Data Communication Systems for State Agencies in Support of Interoperable Communications	x				x			
10	5.8.4.1	<u>Training/Exercise</u> : Develop and Implement a Training Plan to Address Interoperable Communications		x		x		x		3.1.7; 3.2.1; 7.2.4
11	5.8.4.2	<u>Training/Exercise</u> : Develop and Implement a Strategy for Exercises Focused on or Incorporating Interoperable Communications		x		x		x		3.1.7; 3.2.1; 7.2.4
12	5.8.5.1	<u>Usage/Outreach</u> : Create and Implement an Education and Outreach Plan in Support of Interoperable Communications		x		x				1.3.2

Key FY2012 accomplishments in each of these areas are outlined below with additional detail included in the attachments to this report.

Governance (SCIP Initiatives #1-3)

Governance is a formalized system that provides a unified approach to decision-making to reflect shared objectives across multiple disciplines and jurisdictions. Strong governance is essential to interoperability because it provides a framework for planning, collaboration and implementation between and among multiple disparate communication systems and stakeholders.

Arizona is a leader in establishing and maintaining interoperable communications governance bodies and plans, which includes:

- A statewide governance body for interoperability (PSCC) established in statute.
- A technical/operational subcommittee (SIEC) operating in support of PSCC.
- A Statewide Interoperability Coordinator (SWIC) in the PSIC Office established in statute.
- A strong group of engaged stakeholders who participate in interoperability workgroups (that support development of policies and programs).
- A statewide plan for interoperability (SCIP) that is aligned with the national plan for interoperability (National Emergency Communications Plan or NECP).
- A plan for the SWIC Office (PSIC Office Plan) in support of SWIC activities.

In FY2012, PSIC made significant progress in:

- Advancement of statewide governance structures and planning advancement.
- Assessment of Arizona counties against national standards.
- Advocacy of governance for interoperability at the regional level.
- Incorporating the upcoming National Public Safety Broadband Network (NPSBN) initiative into our existing governance structures and our SCIP.

Governance Structures: In the area of statewide governance structures and planning advancement, progress included:

- An annual update to Arizona's SCIP (approved by PSCC) to reflect support for development of a public safety broadband strategy, support for regional strategic planning efforts, and progress on Arizona Interagency Radio System (AIRS) and the Strategic Technology Reserve (STR).
- Development of a SCIP Implementation Report for Federal DHS to track Arizona's progress.
- An annual update to the PSIC Office Plan which details how this office will use its resources in alignment with its Arizona State statute and in advancement of Arizona's SCIP.

National Standards: In the area of assessment of Arizona counties against national standards, the PSIC Office completed a major effort to measure Arizona's progress towards meeting the goals outlined in the NECP. The NECP is the nation's strategic plan to improve emergency response communications. It includes national goals for improving interoperability, operability and continuity of communications. Goal One assessments of Phoenix and Tucson Urban Area Security Initiatives (UASIs) were conducted in early 2010.

With the cooperation of County Emergency Managers, the PSIC Office and observations teams from multiple jurisdictions conducted assessments of planned events in all non-UASI counties between February and September 2011. The results of these assessments are documented in After Action Reports (AARs) which include detailed observations and recommendations for improvement. The PSIC Office submitted the results of these assessments against national standards to Federal DHS in Arizona's 2011 SCIP Implementation Report and produced a compendium report that was distributed to Arizona's public safety community.

Regional Governance: In the area of advocacy of governance at the regional level, workshops were held in several counties to assist in the development of Tactical Interoperable Communications Plans (TICP). These plans follow a national framework, align with the NECP and the Arizona SCIP, and assist local jurisdictions to evolve governance structures in support of interoperability on the regional level.

The PSIC Office also coordinated strategic planning workshops to improve interoperability between public safety agencies in Maricopa County that participate in the Regional Wireless Cooperative (RWC) or Topaz Regional Wireless Cooperative (TRWC).

Broadband: In the area of incorporating the upcoming National Public Safety Broadband Network (NPSBN) initiative into our existing governance structures and our SCIP, PSIC continued efforts to research national standards while taking steps to position Arizona to take advantage of the NPSBN.

On February 22, 2012, President Obama signed into law H.R.3630, the Middle Class Tax Relief and Job Creation Act of 2012, which includes provisions to fund and govern the NPSBN. Key Features of the legislation include:

- Allocation of the “D-Block” spectrum to public safety
- Formation of First Responder Network Authority (FirstNet)
 - Responsible for build out and maintenance of a national NPSBN
 - Responsible for working with local jurisdictions to define boundaries, roles and responsibilities
- Authorization of auction of reclaimed radio/TV frequency with funding going toward the NPSBN build-out, related programs and deficit reduction
 - On a national basis there is \$135M available for the State and Local Implementation Grant Planning (SLIGP) and up to \$7B for the actual build out of the NPSBN.
- Giveback of television band (T-band) frequency currently allocated to some jurisdictions
[Note: No impact on Arizona.]

Following the passage of H.R. 3630, members of the PSIC Office, Arizona Department of Homeland Security (AZDOHS), the Arizona Department of Public Safety (DPS) and the Arizona Department of Administration (ADOA) met with the Governor’s staff to review H.R. 3630. During the meeting, it was determined that PSIC and the Arizona Strategic Enterprise Technology division with ADOA will take the lead in developing a public safety broadband strategy and recommendations for the Governor’s Office. PSIC provides monthly briefing documents to the Governor’s Office on this important initiative.

PSIC plans to garner input and advice from PSCC, SIEC, Digital Arizona (ADOA-ASET), 9-1-1 Office (ADOA-ASET), DPS, AZDOHS and stakeholders statewide, other states & organizations at the Federal level to research and develop recommendations. In addition, PSIC will serve as central point of contact to ensure that all interested parties get uniform and consistent information about our processes and plans and that we become aware of all interested parties.

On April 17, 2012, PSIC briefed the PSCC on the current state of the NPSBN and authorized the formation of the Arizona Public Safety Broadband (AZPSBN) Workgroup. The AZPSBN Workgroup will provide advice and make recommendations to the PSCC on matters related to the NPSBN and the AZPSBN.

Please also see *Attachment A: Governance Accomplishments* for additional details regarding other Governance efforts.

Standard Operating Procedures (SOP) (SCIP Initiative #4)

A reliable policies, standards and procedures framework enables stakeholders to implement interoperability projects consistently across the state. During the past year, PSIC made solid progress on SCIP Initiative #4, *Establish a Policies, Standards and Procedures (PSP) Framework, and Implement PSPs, Including SOPs, for Statewide Interoperable Communications Solutions.*

Statewide policies, standards and procedures updated this year include:

- Interoperable Channels Plan - establishes requirements for programming of statewide and national interoperable channels into public safety radios and guidance on the use of 16 specific channels in each of the VHF, UHF and 700/800 MHz interoperability spectrum.
- Arizona Interagency Radio System (AIRS) SOP – documents the policies and procedures for the use of AIRS (a suite of cross-banded mutual aid channels) in the VHF, UHF and 800 MHz bands.
- Communication Unit Training Coordination Procedure – a statewide procedure developed by PSIC (with input from Arizona Division of Emergency Management (ADEM) and SIEC), to coordinate All-Hazards Communications Unit Training in Arizona. The procedure defines appropriate instructors for the All-Hazards Communications Unit position courses, how Arizona will develop a cadre of such Instructors, and how communications unit training courses can be requested.
- Arizona Regional All-Hazards Communications Unit Recognition Procedure – documents the process for requesting Arizona regional recognition for communications unit positions that align with associated Federal DHS approved curriculum and task book.
- National Incident Management System (NIMS) Communications Unit Workgroup (NIMS-CU) Policies and Procedures – documents the procedures that will be followed by the workgroup and the PSIC Office to review the qualifications of individuals seeking Arizona regional recognition for All-Hazards Communications Unit positions.

In addition, PSIC has made progress in researching national standards and early adopters with the goal of defining NPSBN related policies and standards for Arizona's public safety community.

PSIC also advanced the Regional Communications Systems Connections (RCSC) project between the key regional systems in Arizona (RWC, TRWC, DPS, Maricopa County and Yuma Regional Communications System (YRCS)) with the goal of enabling effective emergency communications between and among their rapid response teams.

Please also see *Attachment B: SOP Accomplishments* for details regarding SOP related efforts.

Technology (SCIP Initiatives #5-9)

Arizona is currently pursuing a system-of-systems approach to interoperability, coordinating and encouraging interconnection of operability and interoperability communications assets to one another in order to provide communications between state, regional and local systems. Existing interoperability assets include shared systems, shared channels, gateways, radio caches and other communications technologies.

During FY2012, PSIC and its partners continued advancing technology related SCIP Initiative #s 5 to 9 as described below and in more detail in *Attachment C: Technology Accomplishments*:

- Enhance and Promote the AIRS Interoperable Communications Solution, including development of the AIRS Improvement and Sustainability Plan (SCIP Initiative #5)
- Implement, Enhance and Promote Functional Regional Voice and Data Systems in Support of Interoperable Communications (SCIP Initiative #6)
- Upgrade the Statewide Microwave Backbone Infrastructure to Digital Technology (DPS) (SCIP Initiative #7)
- Sustain the State Strategic Technology Reserve (STR) (ADEM) (SCIP Initiative #8)
- Upgrade Operable Voice and Data Communication Systems for State Agencies in Support of Interoperable Communications (SCIP Initiative #9)

Initiative #9 includes the RICO project (approved by JLBC) which utilizes \$2.2 Million in RICO funds for the advancement of communications interoperability along the southern Arizona border. The RICO Project deploys standards-based P25 communications capabilities at six key transmitter sites supported by DPS' upgraded digital microwave system and, supports hardware and software upgrades to the YRCS infrastructure. The Project provides high-level connectivity for existing and developing communication systems thus increasing interoperability capabilities during multi-jurisdictional, multi-agency response and recovery, and mitigating impacts from critical incidents in the border region. As of the end of FY2012, five of the six transmitter sites were activated. Due to road access issues, the remaining tower has not yet been activated but will be installed by December 2012. The equipment is currently programmed and in staging at Wireless Systems Bureau (WSB) of DPS.

Additionally, the RICO Project provides communications equipment to selected law enforcement dispatch centers and Public Safety Answering Points (PSAP) in the region. Through the creation of a Southeastern Arizona Communications Center Talk Group, the dispatch centers will be able to share information and coordinate efforts between participating agencies in the border region. This will alleviate the need for dispatchers to make a phone call or send a teletype every time they need to relay information to, or coordinate with, a neighboring jurisdiction. The talk group may also be used for situations such as requesting resource assistance (i.e., K9, helicopter, officers), broadcasting critical attempts to locate (i.e., missing children, carjacking, pursuit) and immediate notification of PSAP equipment failures/evacuations. A Memorandum of

Understanding (MOU) and a draft Standard Operating Procedure (SOP) for PSAP's to utilize the Southeastern Arizona Communications Center Talk Group were developed by PSIC with stakeholder input this past year and will be implemented next fiscal year.

Additional technology related activities included educating stakeholders on FCC narrowbanding requirements which will impact public safety operability and as a result is important for interoperability.

Training & Exercise (SCIP Initiatives #10-11)

Implementing effective training and exercise programs is essential for ensuring that technology actually works as planned and that responders are able to demonstrate that they can effectively communicate using that technology.

Accomplishments during FY2012 regarding Training and Exercise initiatives and objectives are outlined in *Attachment D: Training & Exercise Accomplishments* and include:

- Continued support for statewide AIRS Training program, including a DVD, lesson plan and other training materials to promote the use of AIRS frequencies statewide.
- Advancement of communications unit training and recognition program consistent with national standards and ADEM requirements.
- Support for offering of All-hazards Communications Unit Leader (COML) training courses as well as All-hazards Communications Technician (COMT) training.
- Developing a COML Field Day to support advancement of COML/COMT skill sets through a day long hands-on training event.
- Participating in exercises and events in support of Arizona communities.

Usage & Outreach (SCIP Initiative #12)

The PSCC and SIEC each met five times in FY2012 and in these meetings approved interoperability projects and policies, heard updates from regional systems, provided guidance to and received technical advice from its workgroups and provided significant feedback to PSIC regarding advancement of SCIP initiatives.

PSIC staff regularly attended and presented at conferences, workshops, expos, taskforces, national, multi-state, state, regional, local and working group meetings. PSIC also conducted in-person meetings, web and telephonic conferences, posted updates to its website and communicated regularly by e-mail to its extensive (850+) interested parties list.

The PSIC Office promoted collaboration among members of public safety and service agencies/organizations by updating the *Statewide Education and Outreach Plan Regarding Public Safety Communications Interoperability*³. The Plan highlights specific targeted interoperability topics of significant importance in 2012:

- FCC Narrowbanding Compliance
- National Public Safety Broadband Network (NPSBN)
- NECP Gap Closure (including Regional Interoperability Planning, Communications Asset Survey and Mapping (CASM), TICPs, Strategic Communication Migration Plans (SCMPs) and other resources)

These and other activities are outlined in *Attachment E: Usage and Outreach Accomplishments*.

Reports

Annual Report to Governor and Legislature – PSIC presented to PSCC at its November 23, 2011 meeting a draft annual PSCC report. The PSCC approved the report for transmission to the Governor and the Legislature. The report was submitted on December 1, 2011 and is available on the PSIC website.

Annual SCIP Implementation Report - On October 31, 2011 PSIC submitted Arizona's annual report to Federal DHS Office of Emergency Communications covering progress in achieving the initiatives and strategic vision identified in Arizona's SCIP. The report is available on the PSIC website.

Budget

For FY2012, \$527,200 was appropriated from the general fund for the public safety communications program. As of June 30, 2012, \$503,951 had been expended or encumbered. A breakdown of expenditures by category is attached as *Attachment G: FY2011 PSIC Expenditures*.

In FY2012, PSIC continued to utilize vacancy savings and maximize federal grants to support its goal of advancing interoperable communications in Arizona in the most fiscally responsible manner. In this regard \$270,738 was also spent by the PSIC Office from Federal Homeland Security grants during FY2012 to support achievement of the results outlined in this report. As a recipient of Federal Homeland Security grants, PSIC submits quarterly grant reports to AZDOHS. PSIC also sought and received federal technical assistance awards for Arizona communities to advance interoperability.

Use of remaining funding consisting of \$2.2M of non-lapsing Anti-Racketeering (RICO) Fund monies is described in the Technology section above. As detailed above, the project is proceeding well. As of June 30, 2012, \$1,464,097.45 of these RICO funds had been expended or encumbered.

³ http://www.azpsic.gov/plans/Education_and_Outreach_Plan_2012_Approved_07172012.pdf

The Honorable Don Shooter
The Honorable John Kavanagh
October 31, 2012
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Please contact me with any questions regarding the activities of the PSCC, SIEC and PSIC Office.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott A. Smith". The signature is fluid and cursive, with a long horizontal stroke at the end.

Scott A. Smith
Director

Enclosures

cc: Aaron V. Sandeen, State CIO & ADOA-ASET Deputy Director
Philip D. Manfredi, Chief Strategy Officer, ADOA-ASET
Lisa Dee Meyerson, Statewide Interoperability Coordinator & Manager, PSIC Office,
ADOA-ASET
Brett Searle, Fiscal Analyst, Joint Legislative Budget Committee

Attachment A: Governance Accomplishments

Statewide Governance Advancement (SCIP Initiative #1)

Statewide Communications Interoperability Plan (SCIP) Updated – The Arizona SCIP serves as a reference for public safety officials by describing the status of interoperable communications throughout Arizona and by documenting the specific goals and objectives Arizona has established to improve public safety communications. After a series of meetings and forums, the initial SCIP was approved by the Public Safety Communications Advisory Commission (PSCC) on November 28, 2007. In July 2008, oversight of the PSCC transitioned to the Public Safety Interoperable Communications (PSIC) Office. An updated version of the SCIP was approved by the PSCC on January 19, 2010 and has since been updated annually.

Interviews with key state and local personnel were conducted in February and March 2012 with an open public comment period in April and May. Input on the SCIP was requested during the April 17, 2011 meeting of the PSCC and the May 8, 2012 meeting of the Statewide Interoperability Executive Committee (SIEC). On May 22, 2012 the PSIC Office, in conjunction with the federal Department of Homeland Security (DHS) Office of Emergency Communications (OEC), hosted a SCIP Implementation Workshop to develop a streamlined actionable SCIP. A draft revised SCIP was distributed to the PSCC, SIEC and public for review and comment during June 4 – 21, 2012.

The following changes were made to the 2012 SCIP based on stakeholder input and to reflect the evolution in Arizona's interoperability related programs:

- Updated *Statewide Assessment* section to reflect advancements made in interoperability since 2011 SCIP.
- Revised *Strategy* section to:
 - Reflect Arizona's commitment toward developing a public safety broadband strategy.
 - Update completed initiatives and objectives.
 - Increase support for regional strategic planning efforts.
 - Updates to reflect progress on the Arizona Interagency Radio System (AIRS) and the Strategic Technology Reserve (STR).
- Updated regional and state systems information.
- Updated agency references to reflect PSIC Office move from GITA to ADOA.
- Reviewed all existing content for accuracy, relevance and concise presentation.

The following initiatives and objectives were revised to reflect Arizona's commitment toward developing a public safety broadband strategy:

- Strategic Initiative 3: Implement a Strategy for Supporting National Level Goals Applicable to Regional, State, Local and Tribal Interoperable Communications
 - Added new: Objective 3.4: Promote compliance with evolving national public safety broadband standards and structures
- Strategic Initiative 4: Establish a PSP Framework, and Implement PSPs, Including SOPs, for Statewide Interoperable Communications Solutions
 - Added new: Objective 4.5: Develop a statewide public safety broadband integration/implementation strategy and related standards

- Changed to cover data as well as voice communications: Strategic Initiative 6: Implement, Enhance and Promote Functional Regional Voice and Data Systems in Support of Interoperable Communications
- Changed to cover data as well as voice communications: Strategic Initiative 9: Upgrade Operable Voice and Data Communication Systems for State Agencies in Support of Interoperable Communications
- Strategic Initiative 12: Create and Implement an Education and Outreach Plan in Support of Interoperable Communications
 - Added new: Objective 12.3: Provide outreach to all stakeholders regarding public safety broadband

The revised 2012 SCIP was submitted to the PSCC and was approved on July 17, 2011. The updated SCIP was sent to our stakeholder e-mail list of 850 people, and posted on the PSIC website at <http://www.azpsic.gov/SCIP>.

SCIP Implementation Report Filed with Federal DHS – The PSIC Office is required to submit to OEC an annual SCIP Implementation Report. Submitted October 31, 2011 and posted to the PSIC website⁴, the SCIP Implementation Report covers the activities of PSIC, PSCC, and the SIEC during July 2010 – June 2011.

The SCIP Implementation Report has two key sections:

- SCIP Implementation Update: Provides updates and changes to the status of the SCIP. The updates within the report include milestones identified in the SCIP and statewide progress toward meeting NECP milestones.
- County Interoperability Communications Assessment: This section provides OEC with broader capability data for each of Arizona’s counties to determine alignment with National Emergency Communications Plan (NECP) Goal Two.

PSIC Office Plan Development - The PSIC Office Plan is designed to describe how the PSIC Office will perform its duties under statute and in keeping with Arizona’s strategic direction for public safety interoperable communications as outlined in Arizona’s SCIP. The PSIC Office Plan was updated to incorporate the revised interoperable communications priorities as identified in the SCIP and describes key projects to advance SCIP initiatives that PSIC will execute during FY2013.

Advance Other Statewide Planning Efforts - PSIC engaged in additional statewide planning efforts as follows:

- Participated in the Arizona Division of Emergency Management (ADEM) led review of the State Emergency Response and Recovery Plan (SERRP).
- Provided comments to AZDOHS regarding State Homeland Security Strategy (SHSS). This plan includes extensive focus on communications interoperability.
- Coordinated presentation by Graham County to the PSCC on September 20, 2011, to encourage other jurisdictions to move forward with the use of plain language.
- Coordinated presentation by Mohave County on Strategic and Tactical Communications Planning on July 19, 2011.

⁴ <http://www.azpsic.gov/library/reports/2010/2010 SCIP Implementation Report Arizona FINAL.pdf>

- Briefed the PSCC and stakeholders on progress developing Tactical Interoperable Communications Plans (TICPs) for each county (SCIP Initiative 2.1) on April 17, 2012.
- Arranged for all PSCC & SIEC Meetings to be accessible via web-conference.

Advocacy of Regional Governance (SCIP Initiative #2)

Advancement of Tactical Planning (SCIP Objective 2.1) - During FY2012, PSIC continued planning and outreach activities to support local jurisdictions in development of TICPs and utilization of the Communications Assets Survey and Mapping Tool (CASM) tool.

These tools enable:

- Collection and maintenance of information on public safety communications assets.
- Identification of interoperability gaps between and among agencies and jurisdictions.
- Aggregation of information with which to create investment justifications / funding requests to fill communication gaps.
- Documentation regarding the level of interoperability between agencies/regions.

The TICP/CASM project is funded by grants from Federal DHS. Arizona's NECP Goal Two Performance Assessment Guide (approved by PSCC in November 2010) required submission of CASM asset data and TICP policies and procedures information in pre-planning for each NECP Goal Two event. This requirement resulted in a significant increase in the CASM data collected statewide.

During FY2012, PSIC assisted five counties in developing or updating their TICPs:

- Phoenix UASI TICP Update & TIC-FOG Development – Originally targeting just the Phoenix UASI, this effort evolved into the Arizona Central Region TICP and the corresponding Arizona Central Region - Field Operations Guide (ACR-FOG). During FY2012 the TICP update was complete and the ACR-FOG was finalized and awaiting publication.
- Coconino County TICP – The TICP was drafted and completed this year and adopted by the County Local Emergency Planning Committee (LEPC) on April 25, 2012. It was tested during the Coconino County/PFAC wildland fire full scale exercise on April 28, 2012.
- La Paz County received a TA award to develop a TICP. A kickoff was held on May 9, 2012, and the follow up TICP Development Workshop was held on June 7, 2012.
- Mohave County completed their Strategic Regional Interoperable Communications Plan (RICP) and TICP which was approved by the LEPC in September 2011. The RICP was adopted by individual jurisdictions in October to December 2011.
- Yuma County received a TA award to update their TICP during a workshop on June 6, 2012. The TICP is expected to be finalized in early FY2013.

PSIC engaged in additional CASM/TICP efforts as follows:

- The PSIC Office provided CASM templates and requested data from non-participating agencies (Agencies who did not give us data during the NECP Goal Two process).
- Primary Administrative Manager responsibilities for CASM were transferred from Phoenix UASI Interoperable Communications Subcommittee Chair to the PSIC Office Deputy Statewide Interoperability Coordinator.
- PSIC created protocols for managing users, access requests and data input in CASM. Appropriate users are given Communication Assets Mapping (CAM) access which allows users to access the Google Maps, reporting functions, and ICS-217a worksheet function (to determine how to achieve interoperability with their neighbors).
- An Arizona specific CASM User Account Request / Approval Form (for CAM Only Access) has been posted on the PSIC Website.
- Data collection of information regarding statewide interoperable communications assets and SOPs is underway in order to develop an appendix for each county's TICP. In addition the statewide data will be used to create a statewide TICFOG.
- PSIC developed and issued an RFQ for Tactical and Strategic Planning Facilitation services to offer additional TICP support to counties.

Advance Other Regional Planning Efforts - PSIC coordinated a Strategic Planning workshop on June 5, 2012 to improve interoperability between public safety agencies in Maricopa County that participate in the Regional Wireless Cooperative (RWC) or Topaz Regional Wireless Cooperative (TRWC). The workshop and follow-up consulting to draft a Strategic Communications Plan was the result of a Technical Assistance award from Federal DHS.

Alignment with National Goals (SCIP Initiative #3)

In FY2012, the PSIC Office completed a major effort to measure Arizona's progress towards meeting the goals outlined in the NECP. The NECP is the nation's strategic plan to improve emergency response communications. The Office of Emergency Communications (OEC) at U.S. Department of Homeland Security (DHS) developed the NECP in cooperation with federal, state, local and tribal governments, emergency response providers and the private sector. The NECP sets forth 3 key national goals for improved interoperability, operability, and continuity of communications:

Goal 1 - By 2010, 90 percent of all high risk urban areas designated within the Urban Area Security Initiative (UASI) are able to demonstrate response level emergency communications within one hour for routine events involving multiple jurisdictions and agencies.

Goal 2 - By 2011, 75 percent of non-UASI jurisdictions are able to demonstrate response level emergency communications within one hour for routine events involving multiple jurisdictions and agencies.

Goal 3 - By 2013, 75 percent of all jurisdictions are able to demonstrate response-level emergency communications within three hours, in the event of a significant incident as outlined in national planning scenarios.

Goal One assessments of Phoenix and Tucson Urban Area Security Initiatives (UASIs) were conducted in early 2010. With the cooperation of County Emergency Managers, the PSIC Office and observations teams from multiple jurisdictions conducted

assessments of planned events in all non-UASI counties between February and September 2011. The results of these assessments are documented in After Action Reports (AARs) which include detailed observations and recommendations for improvement.

NECP Goal Two Strategic Planning & Assessment related accomplishments in FY2012 include:

- Completed the assessments of all non-UASI Counties. Six of thirteen events were observed during FY2012 as follows:
 - Yavapai County - July 4th Parade and Fireworks (July 2, 2011)
 - Cochise County - Bisbee Coaster Races (July 4, 2011)
 - Graham County - Pioneer Days (July 23, 2011)
 - Mohave County - Bullhead City Regatta (August 13, 2011)
 - Gila County - World's Oldest Continuous Rodeo (August 20, 2011)
 - Apache County - 65th Annual Navajo Nation Fair (September 10, 2011)
- All thirteen After Action Reports (AARs) were finalized and delivered to the appropriate County Emergency Managers in FY2012.
- The PSIC Office submitted the results of these assessments to Federal DHS in Arizona's 2011 SCIP Implementation Report. Arizona was one of 22 states that submitted complete NECP Goal Two responses by the October 31, 2011 deadline.
- The PSIC Office produced the *Arizona Compendium of Findings and Recommendations from National Emergency Communications Plan (NECP) Goal 2 Observations*. The Compendium documents the key findings from all of the NECP Goal 2 observations and includes the best practices, lessons learned, and recommendations that were developed by the observation teams. The Compendium does not provide the results of the individual County assessments; rather, it is a summary of findings from all of the After Action Reports (AARs). The Compendium was provided to all County Emergency Managers, each agency that participated in the Goal 2 observations, the PSCC, SIEC, and other public safety stakeholders. It aims to improve understanding of the current state of interoperable communications across Arizona.

Updates regarding NECP Goal Two progress were provided at the following FY2012 public meetings with observers and stakeholders from multiple locales presented lessons learned:

- July 19, 2011 – PSCC
- September 20, 2011 – PSCC
- February 14, 2012 – PSCC
- March 13, 2012 – SIEC

Promote compliance with evolving national public safety broadband standards and structures (SCIP Initiative 3.4) - On February 22, 2012, President Obama signed into law H.R.3630, the Middle Class Tax Relief and Job Creation Act of 2012, which includes provisions to fund and govern a Nationwide Public Safety Broadband Network (NPSBN). Key Features of the legislation include:

- Allocates the "D-Block" spectrum to Public Safety.
- Forms First Responder Network Authority (FirstNet).

- Responsible for build out and maintenance of a national NPSBN.
- Responsible for working with local jurisdictions to define boundaries, roles and responsibilities.
- Authorizes auction of reclaimed radio/TV frequency with funding going toward the NPSBN build-out, related programs and deficit reduction.
- Giveback of television band (T-band) frequency currently allocated to some jurisdictions. [Note: No impact on Arizona.]

Following the passage of H.R. 3630, ADOA-ASET, AZDOHS, DPS and PSIC met with the Governor's staff on March 13th, 2012 to review H.R. 3630 and develop a go forward plan. It was determined that:

- PSIC and ADOA-ASET will take the lead in developing a public safety broadband strategy and recommendations for the Governor's Office.
- PSIC will garner input and advice from PSCC, SIEC, Digital Arizona (ADOA-ASET), 9-1-1 Office (ADOA-ASET), DPS, AZDOHS and stakeholders statewide, in other states & at the national level in researching and developing recommendations.
- PSIC will serve as central point of contact to ensure that all interested parties get uniform and consistent information about Arizona's processes and plans and that we become aware of all interested parties.

The PSCC was briefed on the current state of the NPSBN and authorized the formation of the Arizona Public Safety Broadband (AZPSBN) Workgroup at its April 17, 2012 meeting. The AZPSBN Workgroup will provide advice and make recommendations to the PSCC on matters related to the NPSBN and the AZPSBN. The workgroup will develop and implement a plan to provide education and outreach, collect public safety requirements and to be prepared to participate in the grant process.

On a national basis there is \$135M available for State and Local Implementation Grant Planning (SLIGP) and up to \$7B for the actual build out of the NPSBN. The SLIGP will be an 80/20 grant program but there is the possibility that the 20% could be provided through "in-kind" resource effort or infrastructure sharing. The SLIGP process is scheduled to begin during the first quarter of CY2013.

Updates regarding Public Safety Broadband were provided at the following FY2012 public meetings:

- July 19, 2011 – PSCC
- February 14, 2012 – PSCC
- March 13, 2012 – SIEC
- April 17, 2012 – PSCC
- May 8, 2012 – SIEC

PSIC continued to make progress in researching national standards and early adopters with the goal of defining a broadband framework for public safety in Arizona. FY2012 activities included:

- Coordination with the Public Safety Communications Research Program (PSCR) and the National Public Safety Telecommunications Council (NPSTC) on development of public safety broadband standards.

- Participation in Weekly PSST-OAC (Broadband Waiver Recipient) meetings.
- Tracking the status of Arizona's broadband waiver recipients, Mesa and Tucson, to determine how others will be able to interface with these early adopters leading to a statewide approach for governance and standards for broadband technology for public safety.
- Assistance to Mesa's RFP process for the build out of an LTE Broadband system with coverage for Mesa, Apache Junction, Gilbert, Queen Creek and the Apache Junction Fire District.
- Tracking the legislative efforts on a national level and reporting progress to the PSCC.
- Participation in the National Public Safety Telecommunications Council (NPSTC) meetings held in Orlando (Sep 29-30, 2011) and Las Vegas (Feb 24, 2012).
- Participation in the International Wireless Communications Expo (Feb 20-24, 2012)

Federal Technical Assistance Awards

OEC's Interoperable Communications Technical Assistance Program (ICTAP) works to ensure, accelerate, and attain operable and interoperable emergency communications nationwide through the offering of Technical Assistance (TA) grants to the states.

TA requests are submitted annually by PSIC on behalf of the State after solicitation of stakeholder input. Each state can apply for up to five (5) TAs and at least one request must provide direct support to a UASI area. The PSIC Office presented a review of 2011 Technical Assistance and requested input regarding 2012 offerings during the October 18, 2011 SIEC meeting and the November 23, 2011 PSCC meeting. Following a review of stakeholder submissions received during our public comment period, PSIC submitted Arizona's TA requests in December 2011.

Arizona received the following three technical assistance awards in 2011 for CY2012:

- TICP Development Support (TIC-WKSP) – La Paz County - Complete
- Regional Communications Enhancement Support – Strategic Communications Migration Plan (RCES/SCMP) – RWC / TRWC Strategic Communications Plan – In progress
- Training and Exercise Plan Workshop (OP-TEPW) – Statewide – Pending

Arizona also received and offered to its stakeholders a free all day training course in January 2012: SPCL-PRJMGMT: Public Safety Communications Project Management.

Attachment B: SOP Accomplishments

Policies, Standards and Procedures (PSP) Framework Project Progress (SCIP Initiative #4)

PSIC continued the development of a Policies, Standards and Procedures (PSP) Framework for Interoperable Communications in Arizona. PSIC is evolving a reliable PSP framework that enables stakeholders to implement interoperability projects consistently across the state.

Development of this framework includes involvement of technical and operational SIEC workgroups as well as subject matter experts who identify and define specific PSPs for each functional area. Drafts of PSPs are reviewed by workgroups and proposed PSPs are posted online for public comment before being presented to the SIEC and PSCC for approval. As part of the program, PSP maintenance and periodic review guidelines are established. Particular areas of PSP progress are noted below.

Interoperable Channels Plan Development Progress – During FY2012, the SIEC and their workgroups, with PSIC staff support, advanced efforts to revise and implement Interoperable Channels Plan⁵ and companion Priority Programming Guides⁶.

The Arizona Interoperable Channels Plan establishes requirements and recommendations for programming of statewide interoperable channels into subscriber units and operations guidance on the use of the interoperable channels during day-to-day and emergency operations. The plan provides PSCC/SIEC requirements and recommendations for the VHF, UHF and 700 MHz interoperability spectrum.

The Priority Programming Guides are intended to standardize and increase interoperable communications throughout the state. We recommend each agency incorporate these channels into their channel plan the next time their radios are programmed, but no later than the FCC narrowbanding deadline of January 1, 2013.

Both documents were revised in FY2012 following a series of updates to respond to external changes, and incorporate state and local feedback. We encourage their use as follows:

- The FCC narrowbanding requirement, with its required reprogramming of radios, has encouraged jurisdictions to include the channels from Interoperable Channels Plan in agency radios.
- NECP Goal 2 planning, observations and recommendations encouraged use of the Plan. After action reports recommended that 10 counties start to use and 5 counties continue to use the Interoperable Channels.
- In order to encourage state agency adoption of the plan, the following statement has been incorporated as a condition of approval of any Land Mobile Radio (LMR) subscriber gear:

“As part of its final deployment plan, in order to standardize and increase interoperable communications throughout the state, each agency must ensure that new and previously acquired subscriber units are programmed

⁵ http://www.azpsic.gov/library/standards/AZ_Interoperable_Channels_Plan.pdf

⁶ http://www.azpsic.gov/library/standards/Priority_Programming_Guides.pdf

in accordance with Arizona's Statewide Interoperable Channel Plan – Priority Programming Guides.”

- As TICPs are developed, we encourage use of the Channel Plan. Currently five County TICPs recommend the programming/use of the Interoperable Channel Plan.

Arizona Interagency Radio System (AIRS) SOP Update - The Arizona Interagency Radio System (AIRS) is a suite of full-time, cross-banded mutual aid channels designed to provide interoperable communications capability to first responders of police, fire, and emergency medical service (EMS) agencies, as well as other personnel of municipal, county, state, tribal, federal agencies and approved non-governmental organizations (NGOs) performing public safety or service activities. This system operates on designated interoperability frequencies in the VHF, UHF and 800 MHz bands.

An AIRS SOP was developed by SIEC with support from PSIC and approved by SIEC and PSCC. In FY2012, the AIRS SOP was updated to reflect changes due to the Narrowbanding of AIRS repeaters. The revised AIRS SOP was approved by SIEC at its August 16, 2011 meeting and by PSCC at its September 20, 2011 meeting. The SOP was revised again to match changes made to the Interoperable Channels Plan and Priority Programming Guides during the January 11, 2012 SIEC and February 14, 2012 PSCC meetings.

Policies and Procedures for the Arizona Communications Unit Training & Recognition Program - The Communication Unit Training Coordination Procedure is a statewide procedure developed by PSIC (with input from ADEM and SIEC), to coordinate All-Hazards Communications Unit Training in Arizona. The procedure defines appropriate Instructors for the All-Hazards Communications Unit position courses, how Arizona will develop a cadre of such Instructors, and how Communications Unit training courses can be requested. The procedure was revised by the SIEC on October 18, 2011 to be consistent with DHS terminology and program requirement changes. In addition, the Arizona Department of Homeland Security added the following statement to their Subgrantee Agreement:

“Any grant funds used for Communications Unit training must be in compliance with the Arizona Communications Unit Training Coordination Procedure.”

The Arizona Regional All-Hazards Communications Unit Recognition Procedure is a statewide procedure for requesting Arizona regional recognition for Communications Unit positions that have an associated DHS approved curriculum and All-Hazards Position Taskbook. This procedure applies to those individuals who meet the recommended DHS guidelines for eligibility, training and experience for All-Hazards Communications Unit positions and are requesting Arizona Regional recognition in such positions. The procedure was revised by the PSCC on September 20, 2011 to be consistent with DHS terminology and program requirement changes.

The National Incident Management System (NIMS) Communications Unit Workgroup (NIMS-CU) Policies and Procedures documents the procedures that will be followed by

the workgroup and the PSIC Office to review the qualifications of individuals seeking Arizona regional recognition for All-Hazards Communications Unit positions. The procedure was revised by the SIEC on August 16, 2011 to be consistent with DHS terminology and program requirement changes and to include additional details about the AZ recognition program.

On June 26, 2012, the NIMS-CU Workgroup held an Annual Meeting to review and revise all policies and procedures related to the AZ Regional All-Hazards Communications Unit Recognition Program. The Workgroup presented their recommended revisions of the above documents during the August 14, 2012 SIEC meeting.

Arizona Minimum Equipment Standards - Standards for both VHF and UHF mobile and portable radio equipment were established by the SIEC in January 2007. The standards were established to implement certain radio features, nationally recognized to promote and maintain a higher level of interoperable communications among and between public safety jurisdictions and disciplines.

In January 2012 the SIEC began reviewing the Standards and discussed creating a Standard for 700/800 MHz equipment. In discussions with the SIEC and the Interoperable Channels Plan Workgroup, the general consensus was that the minimum standards for VHF and UHF equipment were still applicable and there was no need to change or strengthen them. At the May 8, 2012 SIEC meeting, a draft of the Minimum Equipment Standards which added 700/800 MHz equipment, referred to narrowband and P25 capabilities and combined VHF, UHF and 700/800 MHz equipment into one document was reviewed. The draft was then made available for public comment. The revised draft will be presented to the SIEC and PSCC for approval during the first quarter of FY2013.

Regional Communication Systems Connections (RCSC) Project - The Regional Communication Systems Connections (RCSC) project, launched during fourth quarter FY2011, is designed to enable direct one-to-one communications across Arizona regional public safety communication systems for select key mutual aid responders such as rapid response teams. Each Arizona regional public safety communications system will be connected through Conventional Channel Gateways (CCGW) and at least 4 talkpaths will be set aside in each system for cross-system communications.

The RCSC project involves the following partners:

- Yuma Regional Communications System (YRCS)
- Regional Wireless Cooperative (RWC)
- Department of Public Safety (DPS)
- Maricopa County
- Topaz Regional Wireless Cooperative (TRWC)

Note: Pima County Wireless Integrated Network (PC-WIN) will be added to the RCSC once their system comes online.

The PSIC Office is supporting the RCSC project by organizing and facilitating stakeholder meetings and developing the appropriate Intergovernmental Agreements (IGAs) and Standard Operating Procedures (SOPs) for the project. Project Status as of the end of FY2012:

- Executive summary and technical timeline – complete
- Pilot test with DPS and YRCS – in progress
- Multi-agency IGA – complete and out for legal and governing body review/approval
- Multi-agency SOP – draft is complete and is under review
- Deployment Schedule – to be developed

Attachment C: Technology Accomplishments

Enhance and Promote the AIRS Interoperable Communications Solution (SCIP Initiative #5)

The Arizona Interagency Radio System (AIRS) is a suite of full-time, cross-banded mutual aid channels designed to provide interoperable communications capability to first responders of police, fire, and EMS agencies, as well as other personnel of municipal, county, state, tribal, federal agencies and approved non-governmental organizations (NGO's) performing public safety or service activities. This system operates on designated interoperability frequencies in the VHF, UHF and 800 MHz bands.

Governance of AIRS has been formalized with an AIRS Memorandum of Understanding (AIRS MOU), as well as the AIRS Standard Operating Procedure (AIRS SOP). Agencies and organizations wishing to operate on AIRS must sign the MOU with DPS, which holds the licenses for AIRS frequencies and must follow the procedures in the AIRS SOP developed by the SIEC.

In FY2012, the final two AIRS Suites were installed. The Long Mesa Suite was installed in AIRS Region 3 and Jacob Lake Suite was installed in AIRS Region 2. In addition, DPS completed the Narrowband upgrade of the AIRS system in mid-2011.

AIRS Radio Frequency Drive Test – In late 2011, the PSIC Office received an award of Technical Assistance to conduct a radio frequency drive test of all three bands of the AIRS system. The test was conducted December 5 - 15, 2011 covering nearly 4000 miles of Arizona highways. The results of the test were reviewed with the SIEC on March 13, 2012. Overall the findings closely align with the existing computer modeled coverage maps generated by DPS. Detailed results and files for all AIRS Regions were also posted to the PSIC website to allow local jurisdictions to plan for interoperability and identify coverage gaps.

AIRS Improvement and Sustainability Plan – Now that the initial planned AIRS build-out is complete, agencies that desire additional coverage in their region may purchase and install equipment to expand the current AIRS system. PSIC, in collaboration with DPS and SIEC, drafted a procedure to establish requirements for the integration of locally procured AIRS site communications infrastructure into the statewide AIRS system (maintained by DPS) in order to improve the overall coverage. The Plan provides guidance for initial approvals and ongoing maintenance responsibilities.

The initial draft was reviewed by the SIEC on May 8, 2012. Feedback from that meeting was incorporated into the draft procedure which was then posted on the PSIC website for public review. The revised draft will be presented to the SIEC for approval during the first quarter of FY2013.

Implement, Enhance and Promote Functional Regional Voice and Data Systems in Support of Interoperable Communications (SCIP Initiative #6)

PSIC continues to work closely with regional/local partners around the state to further regional interoperability planning through meetings with local stakeholders. In the Governance area we are working on TICPs and other related planning in support of

regional systems. In the SOP area we are advancing the RCSC between key Arizona regional systems.

The PSCC also received regional interoperable communications briefings from the following stakeholders during FY2011:

- Yuma Regional Communication System - PSCC Meeting July 29, 2011
- Graham County: Plain Language - PSCC Meeting September 20, 2011
- Regional Communication Systems Connections Update - SIEC Meeting October 18, 2011
- RWC/TRWC and the 2017 FCC deadline for 700 MHz Narrowbanding - SIEC Meeting October 18, 2011
- RWC/TRWC and the 2017 FCC deadline for 700 MHz Narrowbanding – PSCC Meeting February 14, 2012

Upgrade the Statewide Microwave Backbone Infrastructure to Digital Technology (SCIP Initiative #7)

The current statewide microwave network is owned, operated, engineered, and maintained by the Department of Public Safety Wireless Systems Bureau (DPS/WSB) and provides microwave connectivity for local, state, and federal public safety and/or service agencies throughout Arizona. Although built primarily to support state agency radio systems, many other agencies use some portion of its capacity.

In order for the statewide microwave network to continue providing the infrastructure needed to support its mission, an upgrade of the microwave backbone to digital technology is required. A digital backbone must be in place for Arizona to implement a modern, standards-based, interoperable public safety radio communications system for the State.

The microwave backbone digital upgrade project by DPS/WSB continues to make progress, albeit at a slower pace than planned due to resource and funding constraints. As a result of grant funding and partnerships around the state, DPS/WSB was able to complete 6 digital path upgrades in FY2012. A number of additional paths are also in progress. Due to resource constraints, the end date for the project has been amended to June 30, 2017.

DPS/WSB informs PSIC that it is prepared to brief the JLBC on the status of the microwave project. For additional information, please contact Kevin Rogers of DPS Wireless Systems Bureau.

Sustain the State Strategic Technology Reserve (ADEM) (SCIP Initiative #8)

Key state officials need a reliable redundant communications system among and between themselves and the agencies relying on them for decisions in times of emergency. The State Strategic Technology Reserve (STR) project by ADEM was completed in FY2012 with all remaining equipment purchased and deployed. There are five mobile communications units (MCUs) placed in strategic locations around Arizona to ensure the shortest response times. An MCU, also known as a Mobile

Communications Center (MCC), Mobile Communications Vehicle (MCV), or Mobile Emergency Operations Center (MEOC) refers to a vehicular asset that can be deployed to provide or supplement communications capabilities in an incident area. These MCUs are equipped with a variety of equipment such as subscriber and base station radios of various frequency bands, gateway devices, satellite phones, wireless computer networks, video broadcasting/receiving equipment, etc. Typically these communications devices are permanently stored in the MCUs or accompanying trailers when not in use.

During the 2012 SCIP revision, Strategic Initiative #8 was changed from *Implement the STR* to *Sustain the STR* to reflect the progress made by ADEM. Arizona emergency management officials consider the Continuity of Government (COG) as the prime directive for the STR, with augmentation of the current reserves that are deployed throughout Arizona. Future activities related to the STR need to focus on actively engaging emergency planning and communications groups statewide through briefings on the capabilities and limitations of the STR, including access and deployment procedures, and ensuring that STR equipment and request procedures are consistently documented in all statewide emergency response plans, COG plans, and TICPs.

Upgrade Operable Communication Systems for State Agencies in Support of Interoperable Communications (SCIP Initiative #9)

RICO Project - In 2010, JLBC and PSCC approved a recommendation by PSIC for use of \$2.2 Million in RICO funds for the advancement of communications interoperability along the southern Arizona border. The RICO project deploys standards-based P25 communications capabilities at six key transmitter sites supported by DPS upgraded digital microwave systems and supports hardware and software upgrades to the Yuma Regional Communications System (YRCS) infrastructure. The project provides high-level connectivity for existing and developing communication systems thus increasing interoperability capabilities during multi-jurisdictional, multi-agency response and recovery, and is designed to help mitigate impacts from critical incidents in the border region.

Additionally, the RICO Project provides communications equipment to selected law enforcement dispatch centers and Public Safety Answering Points (PSAP) in the region. Through the creation of a Southeastern Arizona Communications Center Talk Group, the dispatch centers will be able to share information and coordinate efforts between participating agencies in the border region. This will alleviate the need for dispatchers to make a phone call or send a teletype every time they need to relay information to, or coordinate with, a neighboring jurisdiction. The talk group may also be used for situations such as requesting resource assistance (i.e., K9, helicopter, officers), broadcasting critical attempts to locate (i.e., missing children, carjacking, pursuit) and immediate notification of PSAP equipment failures/evacuations. A Memorandum of Understanding (MOU) and a draft Standard Operating Procedure (SOP) for PSAPs to utilize the Southeastern Arizona Communications Center Talk Group were developed by PSIC with stakeholder input this past year and will be implemented next fiscal year. The following project milestones were completed during FY2012:

- Five of the six transmitter sites were activated. Due to road access issues, the remaining tower has not yet been activated but will be installed by December 2012. The equipment is currently programmed and in staging at DPS-WSB.
- The phase two upgrade of the software and hardware for the system was completed.
- The Southeastern Arizona Communications Center Talk Group was created on the system.
- A Memorandum of Understanding (MOU) for participating agencies to receive the subscriber gear and join the system was finalized.
- A Standard Operating Procedure (SOP) for participants to utilize the Talk Group was drafted and reviewed with participants. The SOP will be finalized by December 2012.

Narrowbanding – “Narrowbanding” refers to a requirement by the FCC that all existing licensees on the VHF and UHF Spectrum implement equipment designed to operate on channel bandwidths of 12.5 kHz or less. Public safety licensees will need to convert or replace their existing VHF and UHF wideband (25 kHz) systems on or before January 1, 2013. Further, equipment will ultimately need to operate on bandwidths of 6.25 kHz or less. Currently no dead-line is set for this requirement.

As of the end of FY2012, 84.4% of Arizona transmitter licenses were modified to be Narrowband only or Narrowband & Wideband. Just 15.6% of licenses were licensed for wideband only operation. Modification of the FCC license is a critical step in the narrowbanding process and is indicative of progress being made towards meeting the January 1, 2013 deadline.

While narrowbanding is an operability issue, due to the significant impact on interoperability the PSIC Office continues to provide narrowbanding information and resources to Arizona agencies with wideband transmitter licenses. Activities include direct stakeholder outreach, monthly updates to the PSCC and SIEC, providing online resources, and communications to our e-mail distribution list of over 850 public safety stakeholders. Specific activities in FY 2012 include:

- The PSIC Office continuously updates a web page dedicated to Narrowbanding. This page contains numerous links to assist agencies with narrowbanding, such as FCC updates/mandates; guides to narrowbanding as well as, upcoming and archived webinars.
- The PSIC News webpage provides links on topics including grant opportunities, highlighting specific grant guidance; narrowbanding updates with links to FCC/NPSTC (National Public Safety Telecommunications Council) for guidance; FCC/APCO workshop opportunities, as well as FCC waiver guidance.
- SIEC/PSCC Meeting Updates:
 - PSCC Meeting – April 17, 2012 – Provided an update to the committee on the status of Arizona transmitter licenses (24.4% wideband only) and advised that the PSIC Office continues to reach out to wideband license holders to determine their status and provide resources.

- PSCC Meeting – February 14, 2012 - As part of the SIEC update, attendees were reminded of the narrowbanding deadline in a presentation titled “One Year to Go”.
- SIEC Meeting – January 11, 2012 – Presented on the status of Narrowbanding in Arizona and discussed a variety of options and considerations necessary to meeting the mandate.
- PSCC Meeting – September 20, 2011 –SIEC Co-Chair advised the committee that the AIRS Suites narrowband conversion was completed by DPS, as of September 1, 2011.
- Correspondence:
 - June 1, 2012 - Reminder about the APCO sponsored narrowbanding webinar to be held on June 5, 2012.
 - May 10, 2012 - Provided a link to a free APCO sponsored narrowbanding webinar, as well as a FCC link for guidance on narrowbanding migration, compliance and waiver requests.
 - April 9, 2012 - Reminder to agencies of the FCC narrowband deadline, January 1, 2013, also advising that 24.4% of Arizona Transmitter licenses were still wideband only. Provided links to reference material aimed to assist with the transition to narrowband.
 - January 3, 2012 - Requested participation/feedback in a survey on the individual agency’s current status for narrowbanding, impending plans to narrowband and/or if there was no plan to narrowband.
 - August 25, 2011 - Forwarded an invitation from the Association of Public Safety Officials (APCO) for a webinar titled “Narrowbanding, Are you Ready?” This webinar focused on the FCC requirements to comply with the deadline.
 - August 16, 2011 - DPS provided a status update for the Arizona Interagency Radio System (AIRS) narrowbanding project, which included a reminder of the potential impact to users. This project was approximately two-thirds complete.

Attachment D: Training and Exercise Accomplishments

Develop and Implement a Training Plan to Address Interoperable Communications (SCIP Initiative #10)

Support for Statewide AIRS Training (SCIP Objective #10.3) - The statewide AIRS training program is designed to promote AIRS by informing agencies about its existence and capabilities and ensuring effective use of AIRS as a statewide interoperable communications asset.

The AIRS Training Program was developed with funding from the Interoperable Emergency Communications Grant Program. Program components include a training video produced by the Phoenix Fire Department with support of PSIC; Arizona Peace Officers Standards and Training Board (AZPOST) format lesson plan covering AIRS usage, capabilities, and limitations; a power point presentation to follow the lesson plan; and a sticker showing regional channel assignments to be inserted into the National Interoperability Field Operations Guide or placed on clipboards, dashboards, or consoles.

Throughout the year, the PSIC Office received requests from local and tribal jurisdictions for the AIRS training materials. The training program offers a free copy of the training DVD; online access to the training video and program materials on the PSIC website; and PSIC training and support for local implementation.

Advancement of COML Training and Recognition Program (SCIP Objective #10.4) - The Arizona Regional COML Recognition Program applies to those individuals who meet the recommended Federal DHS All-Hazards COML guidelines for eligibility, training and experience. The recognition procedure describes the process and criteria for being recognized as an Arizona Regional All-Hazards COML.

The NIMS-Communications Unit (NIMS-CU) Workgroup is a standing committee of SIEC. The workgroup reviews the qualifications of each applicant seeking recognition as an Arizona Regional COML and awards recognition or renewal of recognition. The Workgroup may also decline to award recognition, and instead suggest additional training or experience that could enable the applicant to be recognized at a future date. The policies and procedures for the workgroup require workgroup members to have knowledge of the positions, skills and abilities needed by applicants seeking recognition as Communications Unit leaders. All of the 5 appointed members have the requisite qualifications.

The NIMS-CU Workgroup held five meetings during FY2012:

- October 4, 2011: NIMS-CU Application Review Meeting
- December 21, 2011: NIMS-CU Application Review Meeting
- February 28, 2012: NIMS-CU Application Review Meeting
- April 17, 2012: NIMS-CU Application Review Meeting
- June 26, 2012: NIMS-CU Workgroup Annual Meeting

During these meetings, the workgroup reviewed applicants for Arizona COML Regional Recognition and granted recognition to 14 individuals from five counties. In addition, the

workgroup and PSIC staff discussed development of training related policies; reviewed and revised the workgroup's operating policies and procedures to better define the scope of the recognition program; and reviewed the application and taskbook review process. Feedback on proposed changes to the recognition program was solicited from the workgroup during their June 26, 2012 meeting. The workgroup is proposing to expand the training and recognition program to include all Communications Unit positions that have an associated training class and taskbook. The policies and procedures are expected to be revised by the SIEC during the first quarter FY2013.

Communications Unit Leader (COML) Training (SCIP Objective #10.4) - PSIC continues to offer COML trainings utilizing homeland security grant funds to multiple Arizona jurisdictions consistent with SCIP Objective 10.4. During the past year, the PSIC Office collaborated with ADEM and county emergency management offices for 6 additional courses:

- October 17 – 20, 2011: Maricopa (Phoenix)
- Nov 28 – Dec 1, 2011: Mohave (Kingman)
- December 5 – 8, 2011: Pima (Tucson)
- February 7 – 10, 2012: Maricopa (Glendale)
- April 2 – 5, 2012: Cochise (Sierra Vista)
- April 30 – May 3, 2012: Coconino (Flagstaff)

As of the end of FY2012, 181 Arizona students have completed the All-Hazards COML Course.

Communications Technician (COMT) Training (SCIP Objective #10.5) - The All-Hazards COMT course, which is led by two trained and federally recognized COMT Instructors, trains emergency responders on practices and procedures common to COMTs during all hazards emergency operations. Due to the technical nature of the training, course enrollment is limited to 15 students and is offered by invitation only. During FY2012, two All-Hazards COMT courses were held in AZ:

- October 24 – 28, 2011: Pima County (Tucson)
- April 9 - 13, 2012: Maricopa County (Phoenix)

As of the end of FY2012, 30 Arizona students have completed the All-Hazards COML Course.

COML Field Day – A COML Training Field Day will provide attendees with necessary specialized COML training and hands-on experience using homeland security grant funds. The COML field day will be open to individuals who have completed the initial COML or COMT classroom training and wish to get their taskbooks signed off in order to become recognized as a regional COML or COMT consistent with SCIP Initiative #10.4. Planning took place during FY2012, and the Field Day is currently targeted for winter 2013 delivery.

FY2012 Exercises/Events

PSIC participated in the following exercises and events:

- Arizona NECP Goal Two Event Assessments in FY2012:
 - Yavapai County - July 4th Parade and Fireworks (July 2, 2011)
 - Cochise County - Bisbee Coaster Races (July 4, 2011)
 - Graham County - Pioneer Days (July 23, 2011)
 - Mohave County - Bullhead City Regatta (August 13, 2011)
 - Gila County - World's Oldest Continuous Rodeo (August 20, 2011)
 - Apache County - 65th Annual Navajo Nation Fair (September 10, 2011)

- PSIC Staff participated in Operation AZ Vital Connection Communication Exercise (DEMA/ADEM) on September 12 – 16, 2011. ADEM presented an overview of the exercise to PSCC on September 20, 2011.
- Operation Vigilant Guard Statewide Exercise (DEMA/ADEM) was held November 3 – 5, 2011. ADEM presented an overview of the exercise to SIEC on October 18, 2011.
- Utilizing an award of Technical Assistance from OEC, the PSIC Office is planning a day long workshop on incorporating interoperable communications into existing exercises. The workshop will provide exercise planners with resources and information on how to effectively plan, evaluate and improve interoperable communications during an exercise. The workshop is currently targeted for winter 2013 delivery.

Attachment E: Usage and Outreach Accomplishments

Stakeholder Engagement and Interaction

In an effort to advance interoperable communications through shared information and strengthened partnerships among agencies, the PSIC Office promoted collaboration among members of public safety and service agencies/organizations at all levels of government throughout Arizona. See Exhibit 1 for a list of key public safety stakeholders.

Outreach activities were conducted throughout the year in the form of in-person meetings and regular e-mail communications to members of its extensive interested parties list. The PSIC Office encouraged consultation with policy makers and practitioners in support of statewide interoperability initiatives, including education regarding applicable federal and state initiatives, mandates, requirements, guidelines and efforts related to interoperable communications.

PSIC planned and facilitated ten monthly PSCC and SIEC meetings in FY 2012. See Exhibit 2 for a list of topics discussed during these meetings. PSIC staff regularly attended and presented at numerous functions, including conferences, workshops, expos, taskforces, national, multi-state (within and outside of the state), state, regional, local and working group meetings. Stakeholder outreach and interaction activities during FY2012 are too numerous to list.

When appropriate and advantageous, PSIC staff used electronic means, such as web and telephonic conference tools in support of stakeholder engagement. Additionally, the PSIC website was updated with enhanced information regarding pertinent subjects, including narrowbanding, NECP Goals, Communications Unit programs, CASM/TICPs, PSP/SOP revisions and updates, etc.

The PSIC Office provides a monthly update to the PSCC and SIEC on the status of all interoperable communications projects and a calendar of events. The updates are also posted on our website⁷.

Development of Statewide Education & Outreach Plan (SCIP Initiative #12)

In FY2012, the PSIC Office revised the Statewide Education and Outreach Plan Regarding Public Safety Communications Interoperability⁸. The plan, which suggests strategies, defines roles and provides resources, was developed to support stakeholder education and outreach activities to advance interoperable communications initiatives which impact Arizona. Since the state consists of several distinct jurisdictions at varying stages of interoperability, no single approach would be appropriate for all jurisdictions, so the plan was designed to be tailored to meet the needs of each community. The plan also highlights specific targeted interoperability topics of high priority in 2012:

- FCC Narrowbanding Compliance
- National Public Safety Broadband Network (NPSBN)
- NECP Gap Closure (I.e. Regional Interoperability Planning, CASM, TICPs, SCMPs and other Resources)

⁷ http://www.azpsic.gov/about/monthly_project_updates.html

⁸ http://www.azpsic.gov/plans/Education_and_Outreach_Plan_2011_Approved_04192011.pdf

Exhibit 1: Key PSIC Office Stakeholders

Federal

Bureau of Indian Affairs
Bureau of Land Management
Congressional Leaders
Federal Communications Commission (FCC)
Federal Department of Homeland Security (DHS)
Federal Emergency Management Agency (FEMA)
Federal Law Enforcement Agencies (ATF, FBI, USMS, USPS, etc.)
National Guard Association
National Park Service
National Telecommunications and Information Administration
Office of Emergency Communications
U.S. Forest Service

State

Arizona Department of Corrections
Arizona Department of Health Services
Arizona Department of Homeland Security
Arizona Department of Public Safety
Arizona Department of Transportation
Arizona Division of Emergency Management
Arizona Legislature
Governor's Office
Grant Offices
Public Safety Communications Advisory Commission and Committees
State Land Department
State Agency Directors
Statewide Interoperability Executive
Committee and Working Groups

Local/Tribal

City Council Members
City Council Staff
City Managers
County Board of Supervisors
County Emergency Managers
County Managers
Fire Boards
Fire Chiefs and Marshalls
General Service Departments
Grant Offices
Mayors
Municipal Department Heads
School Boards
School Districts
Transportation Departments
Tribal Councils

Regional

Phoenix UASI
Regional Emergency Communications
Coordination Working Group
Regional Advisory Councils: Central, East, North, South, West
Regional Emergency Medical Services Councils (AEMS, NAEMS, SAEMS, WACEMS)
Regional System Administrators (PCWIN, RWC, TOPAZ, YRCS)
Southwest Border Working Group
Tucson UASI

Technical/Communication Staff

Communications Unit Leaders
Communications Center Managers
Communications Center Staff
Communications Equipment Vendors
Dispatchers
Engineering Staff
Local Communication Agencies
Public Safety Answering Point Supervisors and Staff
Radio Communication Departments
Radio Technical Support Departments and Technicians
Technical Communications Personnel

Responders

Bus Drivers – School and Other
Citizen Fire Academy Graduates
Citizen Police Academy Associates
Emergency Medical Services
Fire Departments
Fire Districts
Hospitals
Incident Management Teams
K-9 Teams
Police/Law Enforcement
Private Ambulance Companies
Public Service Agencies
Public Works
Utilities (APS, SRP, Water)

Associations

Arizona Ambulance Association
Arizona Life Safety Council
Fire Chiefs' Associations
Fire District Associations
League of AZ Cities and Towns
Local Emergency Planning Committees
National Council of Statewide Interoperability Coordinators
National Public Safety Telecommunications Council
Police Chiefs' Associations
State Association of Public-Safety Communications Officials
State National Emergency Number Association

Media

City PIOs
City Website Administrators
County PIOs
Governor's Office PIO
Local Television Media
Local Radio Stations
State Agency PIOs
Tribal PIOs

Other

Civic Groups (Rotary/Kiwanis/Chambers of Commerce)
Critical Infrastructure Providers
Grant Writers
Military
NGOs focused on public safety or public service (CAP, RACES, Red Cross)
Public Schools
Transportation Companies

Exhibit 2: FY2012 Public Meetings

PSCC Meeting – July 19, 2011 – Agenda Items: Microwave Project Update, Expand Public Safety Operability/Interoperability, Yuma Regional Communication System Updates, Mohave County Strategic and Tactical Communications Planning, NECP Goal Two Updates, SIEC Updates, PSIC Annual Office Plan Update, Post-Workshops Analysis - Integrating Communications Units into NIMS/ICS, Broadband Update, PSIC Office Updates.

SIEC Meeting – August 16, 2011 – Agenda Items: AIRS Narrowbanding Status and Impact on AIRS AZ, Arizona Interoperable Channels Plan Update and Impact on AIRS SOP, Communications Unit Program Documentation, Communications Unit Training Program Update, Approved Policies and Procedures - Update to Reflect the PSIC Office Transition to ADOA, Interoperable Communications & the College World Series, PSIC Office Updates.

PSCC Meeting – September 20, 2011 – Agenda items: AZ Regional Communications Unit Program Update, Approval of AZ Regional All-Hazards COML Recognition Procedure Update, Arizona Interoperable Channels Plan Update and Related Changes to the AIRS SOP, Approved Policies and Procedures - Update to Reflect the PSIC Office Transition to ADOA, Graham County: Plain Language and NECP Goal Two, Cochise County NECP Goal Two Reflections, US Department of Homeland Security (DHS) Office of Emergency Communications (OEC) Update, ADEM: 2011 Vital Connection Exercise, SIEC Updates, PSIC Office Updates.

SIEC Meeting – October 18, 2011 – Agenda Items: Revised Communications Unit Training Coordination Procedure, NIMS-CU Workgroup Update on AZ Regional All-Hazards COML Applications, CASM Project Update, Regional Communication Systems Connections Update, RWC/TRWC and the 2017 FCC deadline for 700 MHz Narrowbanding, 2011 Arizona Statewide/Vigilant Guard Exercise, ICTAP Technical Assistance: 2011 Review and Request for Input Regarding 2012 Offerings, PSIC Office Updates.

PSCC Meeting – November 23, 2011 – Agenda Items: Approval of 2012 Annual Report to the Governor and Legislature, ICTAP Technical Assistance: 2011 Review and Request for Input Regarding 2012 Offerings, PSIC Office Updates.

SIEC Meeting – January 11, 2012 – Agenda Items: Revisions to the Arizona Interoperable Channels Plan, Review of SIEC Minimum Equipment Standards, NIMS-CU Workgroup Update on AZ Regional All-Hazards COML Applications, Communications Unit Training Program Update, Narrowbanding: One Year to Go, PSIC Office Updates.

PSCC Meeting – February 14, 2012 – Agenda Items: Revisions to the Arizona Interoperable Channels Plan, RWC/TRWC and the 2017 FCC deadline for 700 MHz Narrowbanding, Arizona Department of Homeland Security Update, SIEC Updates, Narrowbanding: One Year to Go, National Public Safety Broadband Network – State's Role in Network Identifier Administration, Presentation of NECP Goal Two Compendium of Findings, PSIC Office Updates.

SIEC Meeting – March 13, 2012 – Agenda Items: Update on National Public Safety Broadband Network, Presentation of NECP Goal Two Compendium of Findings, AIRS Drive Test Results, NIMS-CU Workgroup Update on AZ Regional All-Hazards COML Applications, Update on Communications Unit Training Program, PSIC Office Updates.

PSCC Meeting – April 17, 2012 – Agenda Items: Public Safety Broadband - H.R. 3630 and the National Public Safety Broadband Network & Formation of the AZPSBN Workgroup, Annual SCIP Review and Update, 2012 Statewide Education and Outreach Plan, Update on SCIP Initiative 2.1: Developing TICPs, SIEC Updates, PSIC Office Updates.

SIEC Meeting – May 8, 2012 – Agenda Items: Arizona Minimum Equipment Standards, Annual SCIP Update Input Request, Statewide Education and Outreach Plan, National Public Safety Broadband Network (NPSBN) Update, Next Generation AIRS Plan, NIMS-CU Workgroup Update: AZ Regional All-Hazards Communications Unit Recognition Program, PSIC Office Updates.

Attachment F: Definitions of Acronyms

Acronym	Definition
AAR	After Action Report
ADEM	Arizona Division of Emergency Management
ADOA	Arizona Department of Administration
ADOT	Arizona Department of Transportation
AESA	Arizona Emergency Services Association
AIRS	Arizona Interagency Radio System
APCO	Association of Public-Safety Communications Officials
AZDOHS	Arizona Department of Homeland Security
AZPOST	Arizona Peace Officers Standards and Training Board
BTOP	Broadband Technology Opportunities Program
CASM	Communication Assets Survey and Mapping
CCGW	Conventional Channel Gateways
CIO	Chief Information Officer
COG	Continuity Of Government
COML	Communications Unit Leader
COMT	Communications Unit Technician
CU	Communications Unit
CY	Calendar Year
DHS	Federal Department Of Homeland Security
DPS	Arizona Department of Public Safety
ECP	Emergency Communication Plan
EMI	Emergency Management Institute
EMS	Emergency Medical Services
EOC	Emergency Operations Center
ERIC	Emergency Response Interoperability Center
FCC	Federal Communications Commission
FEMA	Federal Emergency Management Agency
FPIC	Federal Partnership for Interoperable Communications
FY	Fiscal Year
IAP	Incident Action Plan
ICS	Incident Command System
ICTAP	Interoperable Communications Technical Assistance Program
IECGP	Interoperable Emergency Communications Grant Program
IGA	Intergovernmental Agreement
ITAC	Information Technology Authorization Committee
IWCE	International Wireless Communications Expo
JLBC	Joint Legislative Budget Committee
LEPC	Local Emergency Planning Committee
LMR	Land Mobile Radio
MHz	Megahertz
MOU	Memorandum Of Understanding
NCSWIC EC	National Council of Statewide Interoperability Coordinators Executive Committee
NCSWIC	National Council of Statewide Interoperability Coordinators
NECP	National Emergency Communications Plan
NEPA	National Environmental Policy Act
NGO	Non-Governmental Organization
NIFOG	National Interoperability Field Operations Guide
NIMS	National Incident Management System
NIMS-CU	National Incident Management System Communications Unit Workgroup

Acronym	Definition
NPSPAC	National Public Safety Planning Advisory Committee
NPSTC	National Public Safety Telecommunications Council
NTIA	National Telecommunications and Information Administration
OEC	Office of Emergency Communications (DHS)
P25	Project 25 Public Safety Communications Standard
PC-WIN	Pima County Wireless Integrated Network
PIJ	Project Investment Justification
POC	Point Of Contact
PSAP	Public Safety Answering Point
PSCC	Public Safety Communications Advisory Commission
PSCR	Public Safety Communications Research
PSIC	Public Safety Interoperable Communications Office
PSP	Policies, Standards and Procedures
RCSC	Regional Communication Systems Connections
RECCWG	Regional Emergency Communications Coordinators Working Group
RICO	Racketeer Influenced and Corrupt Organizations Funding
RICP	Regional Interoperable Communications Plan
RWC	Regional Wireless Cooperative
SCIP	Statewide Communications Interoperability Plan
SCMP	Strategic Communications Migration Plan
SERRP	State Emergency Response and Recovery Plan
SHSS	State Homeland Security Strategy
SIEC	Statewide Interoperability Executive Committee
SME	Subject Matter Expert
SOP	Standard Operating Procedure
STR	Strategic Technology Reserve
TA	Technical Assistance
TCA	Target Capabilities Assessment
TIC-FOG	Tactical Interoperable Communications Field Operations Guide
TICP	Tactical Interoperable Communications Plan
TRWC	Topaz Regional Wireless Cooperative
UASI	Urban Area Security Initiative
UHF	Ultra High Frequency
VHF	Very High Frequency
WSB	Wireless Systems Bureau (DPS)
YRCS	Yuma Regional Communications System

Attachment G: FY2012 Expenditures

PUBLIC SAFETY COMMUNICATIONS COMMISSION BUDGET FY 2012

FY 2012 Quarterly Expenditures

Allocated Funds

	ALLOCATED AMOUNT	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	REMAINING BALANCE
PERSONAL SERVICES	\$ 335,000	\$ 87,543	\$ 89,218	\$ 61,064	\$ 64,082	\$ 33,094
ERE	\$ 110,000	\$ 33,753	\$ 32,084	\$ 18,609	\$ 22,894	\$ 2,660
PROFESSIONAL/OUTSIDE SVCS	\$ 5,900	\$ 808	\$ 2,127	\$ (1,698)	\$ 30,925	\$ (26,262)
TRAVEL (IN STATE)	\$ 4,000	\$ 1,988	\$ 3,699	\$ (239)	\$ (362)	\$ (1,086)
TRAVEL (OUT OF STATE)	\$ 4,000	\$ 499	\$ 3,692	\$ 2,621	\$ (2,168)	\$ (644)
OTHER OPERATING EXPENDITURES	\$ 68,300	\$ 4,517	\$ 3,553	\$ 38,705	\$ 3,546	\$ 17,979
EQUIPMENT	\$ 0	\$ -	\$ -	\$ -	\$ 2,492	\$ (2,492)
	\$ 527,200					\$ 23,249
QUARTERLY EXPENDITURES TOTALS		\$ 129,108	\$ 134,373	\$ 119,061	\$ 121,409	
				FY 2012 TOTAL EXPENDITURES	\$ 503,951	

In FY2012, the PSIC Office continued to utilize vacancy savings and maximize federal grants to support its goal of advancing interoperable communications in Arizona in the most fiscally responsible manner. In addition to General Fund expenditures, \$270,738 was spent from Federal Homeland Security grants by the PSIC Office during FY2012 to support achievement of the results outlined in this report.