

Application for Federal Assistance SF-424

Version 02

* 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	* 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	* If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify) <input type="text"/>
---	---	---

* 3. Date Received: <input type="text" value="03/19/2013"/>	4. Applicant Identifier: <input type="text"/>
---	---

5a. Federal Entity Identifier: <input type="text"/>	* 5b. Federal Award Identifier: <input type="text"/>
---	--

State Use Only:

6. Date Received by State: <input type="text"/>	7. State Application Identifier: <input type="text"/>
--	--

8. APPLICANT INFORMATION:

*** a. Legal Name:**

* b. Employer/Taxpayer Identification Number (EIN/TIN): <input type="text" value="866004791"/>	* c. Organizational DUNS: <input type="text" value="804545986"/>
--	--

d. Address:

* Street1:	<input type="text" value="100 N. 15th Avenue, Suite 400"/>
Street2:	<input type="text"/>
* City:	<input type="text" value="Phoenix"/>
County:	<input type="text"/>
* State:	<input type="text" value="AZ: Arizona"/>
Province:	<input type="text"/>
* Country:	<input type="text" value="USA: UNITED STATES"/>
* Zip / Postal Code:	<input type="text" value="85007-2636"/>

e. Organizational Unit:

Department Name: <input type="text" value="Arizona Department of Administ"/>	Division Name: <input type="text" value="ASET PSIC Office"/>
--	--

f. Name and contact information of person to be contacted on matters involving this application:

Prefix: <input type="text" value="Mr."/>	* First Name: <input type="text" value="Aaron"/>
Middle Name: <input type="text"/>	
* Last Name: <input type="text" value="Sandeem"/>	
Suffix: <input type="text"/>	

Title:

Organizational Affiliation:

* Telephone Number: <input type="text" value="502-542-2250"/>	Fax Number: <input type="text" value="602-364-4799"/>
--	--

*** Email:**

Application for Federal Assistance SF-424

Version 02

9. Type of Applicant 1: Select Applicant Type:

A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

National Telecommunications and Information Admini

11. Catalog of Federal Domestic Assistance Number:

11.549

CFDA Title:

State and Local Implementation Grant Program

*** 12. Funding Opportunity Number:**

2013-NTIA-SLIGP-01

* Title:

State and Local Implementation Grant Program (SLIGP)

13. Competition Identification Number:

2013-NTIA-SLIGP-01

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

*** 15. Descriptive Title of Applicant's Project:**

Arizona Public Safety Broadband Network (AZPSBN)

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424

Version 02

16. Congressional Districts Of:

* a. Applicant

* b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

17. Proposed Project:

* a. Start Date:

* b. End Date:

18. Estimated Funding (\$):

* a. Federal	<input type="text" value="2,911,147.00"/>
* b. Applicant	<input type="text" value="739,796.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="3,650,943.00"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- a. This application was made available to the State under the Executive Order 12372 Process for review on
- b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.)**

Yes No

21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)

** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:
Middle Name:
* Last Name:
Suffix:

* Title:

* Telephone Number: Fax Number:

* Email:

* Signature of Authorized Representative:  * Date Signed:

Application for Federal Assistance SF-424

Version 02

*** Applicant Federal Debt Delinquency Explanation**

The following field should contain an explanation if the Applicant organization is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.

Grant Award Number: 04-10-S13004
Recipient Organization: Arizona Department of Administration

**National Institute of Standards and Technology
State and Local Implementation Grant Program
Special Award Conditions**

1. The National Institute of Standards and Technology hereby enters into this Grant Agreement number 04-10-S13004 with Arizona Department of Administration to support the work described in the Recipient's proposal entitled "Arizona Public Safety Broadband Network" dated March 19, 2013 and revised on June 17, 2013 which are hereby incorporated into this award by reference. Where the terms of this award and the proposal differ, the terms of this award shall prevail.

2. The Recipient's Contact's name, title, address, and telephone number are:

Mr. Justine Turner, Deputy SWIC
Arizona Department of Administration
100 N. 15th Avenue.
Phoenix, AZ 85007-2636
Phone: (602) 542-2250

3. The Federal Program Officer's name, address, and telephone number are:

Claudia Wayne
National Telecommunications and Information Administration
US Department of Commerce
1401 Constitution Ave., NW, Ste. 4897
Washington, DC 20230
Phone: (202) 482-2714; Fax: (202) 501-8009
Email: (202) 482-2714

4. The Grants Officer's name, address, and telephone number are:

Jannet Cancino
National Institute of Standards and Technology
Grants and Agreements Management Division
Bldg. 411, Room B-100
100 Bureau Drive, Mail Stop 1650
Gaithersburg, Maryland 20899-1650
Phone: (301) 975-6544; Fax: (301) 926-6458
E-mail: jannet_cancino@nist.gov

Grant Award Number: 04-10-S13004

Recipient Organization: Arizona Department of Administration

5. The Grant Specialist's name, address, telephone and fax number and email address:

Husai Rahman
National Institute of Standards and Technology
Grants and Agreements Management Division
Bldg. 411, Room B-100
100 Bureau Drive, Mail Stop 1650
Gaithersburg, Maryland 20899-1650
Phone: (301) 975-4355; Fax: (301) 840-5976
E-mail: husair@nist.gov

6. Automated Standard Application for Payments System

Notwithstanding Section A.02 of the Department of Commerce (DOC) Financial Assistance Standard Terms and Conditions, dated January 2013:

- a. The advanced method of payment shall be authorized unless otherwise specified in a special award condition.
- b. Payments will be made through electronic funds transfers, using the Department of Treasury's Automated Standard Application for Payment (ASAP) system and in accordance with the requirements of the Debt Collection Improvement Act of 1996.
- c. The following information is required when making withdrawals for this award: (1) ASAP account identification (id) = award number found on the cover sheet of this award; (2) Agency Location Code (ALC) = 13060001; and (3) Region Code = 02. Recipients do not need to submit a "Request for Advance or Reimbursement" (SF-270) for payments relating to this award.
- d. All non-ASAP Recipient Organizations must enroll electronically. The ASAP system no longer accepts paper forms for enrollment. If you are not currently enrolled in the ASAP system you must provide the Federal Awarding Agency with a Point of Contact name, e-mail address, mailing address, telephone number, EIN and DUNS numbers of your organization in order for the Federal Awarding Agency Enrollment Initiator (EI) to begin the on-line enrollment.
- e. If you have questions on this requirement please contact the Grant Specialist responsible for this award. If you have questions on the electronic process step-by-step instructions you may contact your responsible Regional Finance Center.

Advances taken through the ASAP shall be limited to the minimum amounts necessary to meet immediate disbursement needs. Advanced funds not disbursed in a timely manner must be promptly returned, via an ASAP credit, to the account from which the advanced funding was withdrawn. Advances shall be for periods not to exceed 30 days.

Funds that have been withdrawn through ASAP may be returned to ASAP via the Automated Clearing House (ACH) or via FEDWIRE. The ACH or FEDWIRE transaction

Grant Award Number: 04-10-S13004

Recipient Organization: Arizona Department of Administration

may only be performed by the Recipient's financial institution. Full or partial payments received by a Payment Requestor/Recipient Organization may be returned to ASAP. All funds returned to the ASAP system will be credited to the ASAP Suspense Account. The Suspense Account allows the Regional Financial Center to monitor returned funds and ensure that they are credited to the correct ASAP account. Returned funds that cannot be identified and classified to an ASAP account will not be accepted and will be returned to the originating depository financial institution (ODFI).

It is essential that the Payment Requestor/Recipient Organization provide its financial institution with ASAP account information (ALC, Recipient ID and Account ID) to which the returned funds are to be credited. Additional detailed information can be found at: <http://www.fms.treas.gov/asap/pay-return2.pdf>

There is a 10-day deadline for the head of the organization to initiate recipient enrollment upon receipt of ASAP registration notification. Failure to comply could subject the award to a change in the method of payment to reimbursement only.

This award has the following control or withdrawal limits set in ASAP:

Phase 2 Reserves \$ 1,455,574.00 (50 percent of federal funds) will be unavailable until either after FirstNet has consulted with the State-designated contact about the matters listed in the Act, including defining coverage needs, user requirements, and network hardening and resiliency requirements, and advises the National Telecommunications and Information Administration (NTIA) it is ready for the commencement of data collection or when NTIA requests a revised budget from recipients for second phase activities. Upon approval of the revised budget, the recipient will be eligible to engage in Phase 2 activities and access the Phase 2 Reserves. Engagement in Phase 2 activities with federal or non-federal funds will be considered unallowable under the grant until the revised budget has been approved and this special award condition has been lifted.

7. **Baseline/Expenditure Plan**

Within 30 calendar days of the Grants Officer signature in the Financial Assistance Award document (CD450), the Recipient shall submit to NTIA a Baseline/Expenditure Plan for the entire performance period. This plan provides NTIA insight into specific activities the Recipient will accomplish over the three-year award period. It identifies "Milestone Activity Categories" (e.g., stakeholder meetings, training sessions) that reflect the types of activities that Recipients will undertake. Recipients should provide short descriptions of their specific plans for relevant Milestone Activity Categories (e.g., hold quarterly governance meetings), identify the number of activities they plan to conduct in each quarter of the award period, and forecast federal and non-federal spending, by cost category, for each quarter of the award period.

Grant Award Number: 04-10-S13004

Recipient Organization: Arizona Department of Administration

8. Budget Revisions

Changes to the program budget from the final approved application will be considered on a case-by-case basis and should be made in accordance with the pre-approval requirements established in 15 C.F.R. § 24.30. When requesting approval for budget revisions, the recipient shall submit a Budget Information for Non-Construction Project form (SF-424A) and provide any supporting documentation requested by the Grants Office or Program Office for the purpose of understanding the proposed changes. Consistent with DOC Standard Terms and Conditions, budget revisions must receive pre-approval in writing from the Grants Office and Program Office for:

- a. Transfers of funds among direct cost categories (as listed in the SF-424A) when the cumulative amount of such direct costs transfers exceed 10 percent of the total federal and non-federal funds authorized
- b. Transfers of funds of any amount into a cost category that has \$0 in the current approved budget (Recipients are not authorized to create new budget categories within an approved budget unless the Grants Officer has provided prior approval)
- c. Transfers of funds of any amount into or out of the "Indirect" cost category.

9. Disallowed Costs

Funds awarded under the State and Local Implementation Grant Program (SLIGP) may not be used for activities related to site preparation, broadband deployment, installation, construction, or the acquisition of equipment used to provide wireless broadband services. Please note that ineligible costs with SLIGP federal funds are also ineligible to meet matching requirement. All expenses must be allowable, allocable, reasonable, and necessary to the SLIGP project.

10. Eligible Pre-Award Expenses

Reasonable proposal preparation costs and pre-award expenses, which include costs related to preparing an application and any pre-award costs for states and territories to participate in FirstNet technical assistance workshops where consultation activities occur, may be reimbursed, if they are incurred after the publication date of the Federal Funding Opportunity (FFO) notice and prior to the date of the issuance of the grant award from NTIA. All lobbying costs and contingency fees are not reimbursable from SLIGP funds. Any expenses that will be claimed as pre-award expenses must be approved by the Grants Office.

11. Matching Funds:

Recipient shall provide, from non-federal sources, not less than 20 percent of the total project cost. Matching funds can be in the form of either cash or in-kind contributions

Grant Award Number: 04-10-S13004

Recipient Organization: Arizona Department of Administration

consistent with 15 CFR § 24.3 and 24.24. The Recipient may be asked to provide supporting documentation upon request from the Grants Officer or NTIA.

As provided in 48 U.S.C. § 1469a, NTIA waives the requirement for local matching funds under \$200,000 (including in-kind contributions) for the territorial governments in Guam, American Samoa, and the U.S. Virgin Islands.

12. Indirect Costs

Reasonable indirect costs can be included if the recipient has a negotiated indirect cost rate agreement (NICRA) with the federal government (or will apply for a NICRA) and the costs are included as a line item in the applicant's budget. Indirect costs are overhead costs for basic operational functions that are incurred for common or joint objectives and cannot be identified specifically within a particular project. Indirect costs can be included in both the federal and non-federal cost shares, as long as the method of calculation is clear. The federal share of the indirect costs may not exceed 25 percent of the total direct costs for the project.

Recipients must have a NICRA with a cognizant federal agency at the time of award and documentation of the NICRA must be received by the Grants Office within 90 days of award. If such a rate does not exist, the recipient has 90 days from the award start date to submit an Indirect Cost Rate proposal to the funding bureau. The recipient shall provide the Grants Office with a copy of the transmittal letter or identify alternative sources of matching funds.

The complete address to send Indirect Cost Rate Proposal if NIST is identified as the cognizant agent is: National Institute of Standards and Technology at 100 Bureau Drive, Gaithersburg, MD 20899 M.S. 1650, attn.: IDC Proposal Review Team.

13. Indirect Costs Used as Cost Share

Recipients who have indirect costs approved by a NICRA that exceed 25 percent of the federal share may apply those remaining approved indirect costs towards the non-federal matching requirement.

14. Remittance of Interest Earned on Advances

Recipients shall remit any interest earned on federal advances of funds in accordance with the requirements of 15 CFR 24.21.

The complete address for remitting checks for interest earned on federal advances is Department of Health and Human Services, Payment Management System, P.O. Box 6021, Rockville, MD 20852.

Grant Award Number: 04-10-S13004

Recipient Organization: Arizona Department of Administration

Recipients that do not have electronic remittance capability should send a check to this address. In keeping with Electronic Funds Transfer rules (31 USC part 206), interest should be remitted to the Department of Health and Human Services (HHS) Payment Management System through an electronic medium such as the FEDWIR Deposit System. Electronic remittances should be in the format and should include any data that are specified by the HHS as being necessary to facilitate direct deposit in HHS' account at the Department of Treasury.

15. Match Proportionality Requirement

Pursuant to Section A.03 of the DOC Standard Terms and Conditions, the non-federal share, whether in cash or in-kind, is expected to be paid out at the same general rate as the federal share. Exceptions to this requirement may be granted by the Grants Officer based on sufficient documentation demonstrating previously determined plans for, or later commitment of, cash or in-kind contributions. In any case, the recipient must meet its cost share commitment over the life of the award.

16. Post-Award Reporting Requirements

During the period of performance, the recipient shall submit performance progress and financial reports on a calendar year quarterly basis for the period ending March 31, June 30, September 30, and December 31, or any portions thereof. All reports should be submitted electronically, unless otherwise directed by the Grant Office or Program Office.

Performance Progress Report

The quarterly performance progress reports should contain the following information: (a) a comparison of actual accomplishments during the reporting period with the goals and dates established in the Baseline/Expenditure Plan for the reporting period; (b) a description of any problems that have arisen or the reasons why established goals have not been met; and (c) actions taken to remedy any failures to meet goals. The performance progress report is due 30 calendar days following the end of each calendar quarter. A report must be submitted for each calendar quarter that the grant is active, including partial calendar quarters or when no programmatic activity occurs.

Federal Financial Report

Each quarter, Recipients must report on obligations and expenditures using the Federal Financial Report (SF-425). The report is due 30 calendar days following the end of each calendar quarter. A report must be submitted for each calendar quarter that the grant is active, including partial calendar quarters or when no financial activity occurs.

Closeout Report

Grant Award Number: 04-10-S13004

Recipient Organization: Arizona Department of Administration

At project completion, SLIGP grantees must also provide a closeout report. This report is due 90 days following the award end date.

17. Publication Disclaimers

Pursuant to Section M.011 of the DOC Standard Terms and Conditions, the recipient is required to submit a copy (ies) to the funding agency and when releasing information related to a funded project include a statement that the project or effort undertaken was or is sponsored by DOC. The recipient is also responsible for assuring that every publication of material (including Internet sites) based on or developed under an award, except scientific articles or papers appearing in scientific, technical or professional journals, contains the following disclaimer

This [report/video/etc.] was prepared by [recipient name] using funds under award [number] from the National Telecommunications and Information Administration (NTIA), U.S. Department of Commerce (DOC). The statements, findings, conclusions, and recommendations are those of the author(s) and do not necessarily reflect the views of the NTIA, DOC, or FirstNet.

This also applies to videos produced under DOC financial assistance awards.

18. Requirements from the SLIGP FFO Notice

The Recipient shall comply with the requirements found in The State and Local Implementation Grant Program FFO notice (2013-NTIA-SLIGP-01) under which NTIA announced grants authorized by Section 6302 of the Middle Class Tax Relief and Job Creation Act of 2012, to assist state, regional, local, and tribal governments with planning for a nationwide interoperable public safety broadband network.

19. Requirements to Change Key Personnel

Pursuant to 15 CFR 24.30(d)(3), recipient must obtain prior approval for programmatic changes regarding key persons. For the purposes of the award, Key persons include the Authorized Organizational Representative and Single Point of Contact (as designated by the Governor or the Governor's designee). The recipient shall request approval to change the individual serving in either of these positions and provide supporting documentation justifying the changes as requested by the Grants Office or Program Office.

20. Supplanting Grant

The Recipient agrees that federal funds under this award will be used to supplement, but not supplant, state or local funds for the same purpose.

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1) State and Local Implementation Grant Program	(2)	(3)	(4)	
a. Personnel	\$ 0.00	\$ 338,254.00	\$	\$	\$ 338,254.00
b. Fringe Benefits	0.00	101,476.00			101,476.00
c. Travel	413,490.00	0.00			413,490.00
d. Equipment	0.00	0.00			
e. Supplies	49,657.00	0.00			49,657.00
f. Contractual	2,251,200.00	0.00			2,251,200.00
g. Construction	0.00	0.00			
h. Other	196,800.00	300,066.00			496,866.00
i. Total Direct Charges (sum of 6a-6h)	2,911,147.00	739,796.00			\$ 3,650,943.00
j. Indirect Charges	0.00				\$
k. TOTALS (sum of 6i and 6j)	\$ 2,911,147.00	\$ 739,796.00	\$	\$	\$ 3,650,943.00
7. Program Income	\$ 0.00	\$	\$	\$	\$

Authorized for Local Reproduction

Standard Form 424A (Rev. 7-97)
Prescribed by OMB (Circular A -102) Page 1A

SECTION C - NON-FEDERAL RESOURCES

(a) Grant Program		(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS
8.	Planning/Outreach Activities for AZ Public Safety Broadband Network - Funding Opportunity Number: 2013-NTIA-SLIGP-01	\$ 739,796.00	\$	\$	\$ 739,796.00
9.					
10.					
11.					
12. TOTAL (sum of lines 8-11)		\$ 739,796.00	\$	\$	\$ 739,796.00

SECTION D - FORECASTED CASH NEEDS

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$	\$	\$	\$	\$
14. Non-Federal	\$				
15. TOTAL (sum of lines 13 and 14)		\$	\$	\$	\$

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT

(a) Grant Program		FUTURE FUNDING PERIODS (YEARS)			
		(b) First	(c) Second	(d) Third	(e) Fourth
16.	N/A	\$	\$	\$	\$
17.					
18.					
19.					
20. TOTAL (sum of lines 16 - 19)		\$	\$	\$	\$

SECTION F - OTHER BUDGET INFORMATION

21. Direct Charges: \$3,650,943	22. Indirect Charges: \$0.00
23. Remarks: Revised 06/17/2013	

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 06/30/2014

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. State and Local Implementation Grant Program	11.549	\$ 2,911,147.00	\$	\$ 2,911,147.00	\$ 739,796.00	\$ 3,650,943.00
2.						
3.						
4.						
5. Totals		\$ 2,911,147.00	\$	\$ 2,911,147.00	\$ 739,796.00	\$ 3,650,943.00

State and Local Implementation Grant Program
Arizona Budget Narrative

Personnel

Federal:	\$0
Non-Federal:	\$338,254
Total:	\$338,254

See the Detailed Budget Spreadsheet for calculations

- **SWIC (Non-Federal):** The SWIC will provide oversight for the SLIGP grant, ensuring that all activities are completed on time and within budget. This position will be providing management, integration and logistical support. They will also be instrumental in the development of the Education & Outreach (E&O) materials and provide management and leadership support for the Data Collection and Coverage (DCC) effort. The budgeted costs (25% time) are only for the duties associated with public safety broadband and the SLIGP grant. The 25% will be provided as an in-kind match. The source of this match is the State's general fund and is not from another Federal source.
- **Deputy SWIC (Non-Federal):** The Deputy SWIC will provide oversight for the SLIGP grant, ensuring that all activities are completed on time and within budget. The Deputy SWIC will work to expand the State's governance structure and assure that broadband is integrated into existing Policy, Standards and Procedures. The budgeted costs (33% time) are only for the duties associated with public safety broadband and the SLIGP grant. The 33% will be provided as an in-kind match. The source of this match is the State's general fund and is not from another Federal source.
- **PSIC Project Manager (Non-Federal):** The PSIC Project Manager will provide detailed planning and implementation support for portions of the SLIGP grant, ensuring that all activities are completed on time and within budget. The PSIC Project Manager will work to manage the Education and Outreach duties and assure that contact management and in-kind match are tracked appropriately. The budgeted costs (25% time) are only for the duties associated with public safety broadband and the SLIGP grant. The 25% will be provided as an in-kind match. The source of this match is the State's general fund and is not from another Federal source.
- **Finance & Planning staff member (Non-Federal):** The Finance & Planning staff member will provide financial oversight for the SLIGP grant. The Finance & Planning staff member will manage all invoicing, travel policy compliance, expense reporting and drawn down activity for the program. The budgeted costs (25% time) are only for the duties associated with public safety broadband and the SLIGP grant. The 25% will be provided as an in-kind match. The source of this match is the State's general fund and is not from another Federal source.
- **Grant preparation (Non-Federal):** The SWIC and Deputy SWIC assisted with development of the plan, description and budget for the grant proposal in consultation with various State agencies and departments. A total of 229 hours of effort with an

unburdened (excluding benefits) blended rate of \$36 per hour were expended. All of this expense will be provided as an in-kind match from the State's general fund, and is not from another Federal source.

- State employees spending time on the Data Survey, Arizona Public Safety Broadband Network Workgroup, PSCC & SIEC meetings, Education & Outreach meetings, Data Collection and Coverage sessions and National Meetings (NPSTC, APCO, NTIA, FirstNet, etc.). Of the total effort for these types of activities we estimated 20% of participants will be State employees and 80% of participants will be local. An unburdened (excluding benefits) blended rate of \$26 per hour was used for this estimate. All of this expense will be provided as an in-kind match from the State's general fund, and is not from another Federal source. We estimate that 25% of PSCC & SIEC meetings, 50% of National Meetings, and 100% of other activities will be related to SLIGP allowable activities.

Fringe

Federal:	\$0
Non-Federal:	\$101,476
Total:	\$101,476

See the Detailed Budget Spreadsheet for calculations

- SWIC (Non-Federal): Benefits include FICA, unemployment, and retirement. This position spends 25% of his time on SLIGP, so a prorated portion of all fringe benefits have been allocated to this grant in proportion to the time spent on SLIGP activities. All of this expense will be provided as an in-kind match from the State's general fund, and is not from another Federal source.
- Deputy SWIC (Non-Federal): Benefits include FICA, unemployment, and retirement. This position spends 33% of his time on SLIGP, so a prorated portion of all fringe benefits have been allocated to this grant in proportion to the time spent on SLIGP activities. All of this expense will be provided as an in-kind match from the State's general fund, and is not from another Federal source.
- PSIC Project Manager (Non-Federal): Benefits include FICA, unemployment, and retirement. This position spends 25% of his time on SLIGP, so a prorated portion of all fringe benefits have been allocated to this grant in proportion to the time spent on SLIGP activities. All of this expense will be provided as an in-kind match from the State's general fund, and is not from another Federal source.
- Finance & Planning Staff (Non-Federal): Benefits include FICA, unemployment, and retirement. This position spends 25% of his time on SLIGP, so a prorated portion of all fringe benefits have been allocated to this grant in proportion to the time spent on SLIGP activities. All of this expense will be provided as an in-kind match from the State's general fund, and is not from another Federal source.
- Staff time spent working on the SLIGP grant preparation (Non-Federal): Benefits include FICA, unemployment, and retirement. Fringe is calculated at 30% of salary (listed under Personnel), for the portion of time spent on SLIGP activities. All of this expense will be

provided as an in-kind match from the State's general fund, and is not from another Federal source.

- State employees spending time on the Data Survey, Arizona Public Safety Broadband Network Workgroup, PSCC & SIEC meetings, Education & Outreach meetings, Data Collection and Coverage sessions and National Meetings (NPSTC, APCO, NTIA, FirstNet, etc.): Of the total effort for these types of activities we estimated 20% of participants will be State employees and 80% of participants will be local employees. Benefits include FICA, unemployment, and retirement. Fringe is calculated at 30% of salary (listed under Personnel), for the portion of time spent on SLIGP activities. All of this expense will be provided as an in-kind match from the State's general fund, and is not from another Federal source.

Travel

Federal:	\$413,490
Non-Federal:	\$0
Total:	\$413,490

See the Detailed Budget Spreadsheet for calculations

- Education and Outreach Meetings (Federal): Staff members will drive to various locations across the state to participate in meetings with local and tribal jurisdictions to raise awareness of the PSBN, discuss local and tribal needs, and identify potential network users. The cost per meeting is based on the average mileage from Phoenix to each of the county seats at the State rates of 44.5¢ per mile, \$60 per night for lodging and \$34 per day for food. Each trip includes lodging and food for 3 people and mileage reimbursement for 2 cars. The average trip is 310 miles requiring one day and one night. The average cost per trip is \$558.
- Data Collection and Coverage Meetings (Federal): Staff members will drive to various locations across the state to participate in meetings with local and tribal jurisdictions to perform site visits of appropriate locations/facilities to collect data as required by FirstNet. The cost per week is based on 300 miles per week, \$34 per day for food for 5 days and \$60 per night for lodging for 4 nights for 1.5 people over a 2.5 year period (48 weeks per year).
- Special Meetings (Risk/Regional/MOU) (Federal): Staff members will drive to various locations across the state to participate in meetings with local and tribal jurisdictions to discuss mitigating risk, developing MOUs, improving regional coordination and other SLIGP and PSBN related issues. The cost per meeting is based on the average mileage from Phoenix to each of the county seats at the State rates of 44.5¢ per mile, \$60 per night for lodging and \$34 per day for food. Each trip includes lodging and food for 3 people and mileage for 2 cars.
- Travel for Regional and National Meetings (Federal): Staff will attend national and regional conferences to meet with NTIA, FirstNet, or other states and share information and collaborate with other grant recipients on SLIGP activities. Travel costs include airfare, hotel, food and mileage reimbursement as follows:

- NPSTC Meetings: 6 meetings per 3 years for 3 people attending each meeting with estimated costs of \$500 per ticket, \$100 per room (3 nights) and \$50 for day for food (4 days), and car rental of \$100 for a total of \$1,100/trip/person. We estimate that 50% (\$550) of the meeting will be related to SLIGP allowable activities.
- APCO Meetings: 6 meetings per 3 years for 3 people attending each meeting with estimated costs of \$500 per ticket, \$100 per room (3 nights), \$50 per day for food (4 days), and car rental of \$100 for a total of \$1100/trip/person. Because one of the two annual meetings is completely related to Public Safety Broadband and the other has all-day tracks related to Public Safety Broadband, we estimate 100% related to SLIGP allowable activities.
- SWBCWG Meetings: 12 meetings per 3 years for 4 people attending each meeting with estimated costs of \$500 per ticket, \$100 per room (2 nights) , \$50 per day for food (3 days), and car rental of \$100 for a total of \$950/trip/person. We estimate that 50% (\$475) of the meeting will be related to SLIGP allowable activities.
- NTIA Meetings: 12 meetings per 3 years for 5 people attending each meeting with estimated costs of \$500 per ticket, \$100 per room (2 nights), \$50 per day for food (3 days), and car rental of \$100 for a total of \$950/trip/person.
- FirstNet Meetings: 12 meetings per 3 years for 10 people attending each meeting with estimated costs of \$500 per ticket \$100 per room (2 nights), \$50 per day for food (3 days), and car rental of \$100 for a total of \$950/trip/person.

Equipment

<i>Federal:</i>	\$0
<i>Non-Federal:</i>	\$0
<i>Total:</i>	\$0

We do not plan to have any equipment costs for this grant program.

Supplies

<i>Federal:</i>	\$49,657
<i>Non-Federal:</i>	\$0
<i>Total:</i>	\$49,657

See the Detailed Budget Spreadsheet for calculations

- Office Supplies (Federal): This includes pens, notepads, paper, envelopes, postage, name tags, and other general office supplies which will be used by the project team for grant-related activities.
- Electronics (Federal): Laptops, tablets, projectors, recording equipment, etc. will be purchased for project to support their grant-related activities.

- Software (Federal): The State will purchase GIS mapping, Contact Management Software, Project Management Software, etc. for the project team for use while on travel and for conducting other grant-related work.

Contractual

Federal:	\$2,251,200
Non-Federal:	\$0
Total:	\$2,251,200

See the Detailed Budget Spreadsheet for calculations

- Program Manager (Federal): The Arizona Public Safety Broadband Network (AZPSBN) Program Manager will be responsible for developing and managing the detailed project plan, time and deliverable tracking against projected metrics along with issue tracking and resolution.
- Project Manager (Federal): The Project Manager will oversee specific facets of the Program which may change over time as the Program needs evolve.
- Administrator (Federal): This position will manage the logistics, entry, update and reporting of Education and Outreach activities, Data Collection and Coverage schedules and tracking and in-kind financial documentation.
- Policy/Regulatory Subject Matter Expert (SME) (Federal): Specialist role to assist in determining if we, as a State, have "any specific obstacles, laws, and/or legal issues that will likely impede your ability to participate fully in the nationwide public safety broadband network or in SLIGP" (Supplemental 12.a.)
- Data Collection and Coverage (DCC) SME (Federal): Specialist role to assist in the development of a uniform methodology for data collection and coverage estimation. In addition, developing a training curriculum and hands-on validation for consistency for all data collectors.
- Geographic Information System (GIS) SME (Federal): Data collected will be documented in a Geographic Information System. In addition, there will be a need to develop an ongoing data update and management process.
- Education & Outreach (E&O) Contractors (Federal): These individuals will perform education and outreach activities in support of FirstNet. Responsibilities include administering meetings, securing locations, scheduling, and setup/take-down. In addition they will collect agency, individual, and in-kind information. They will also document any questions, concerns or issues to be surfaced to program management.
- Data Collection and Coverage (DCC) Contractors (Federal): These individuals will be doing site visits to appropriate locations/facilities to collect data as required by FirstNet. In addition they will collect agency, individual, and in-kind information. They will also document any questions, concerns or issues to be surfaced to program management.

Construction

Federal: **\$0**
Non-Federal: **\$0**
Total: **\$0**

We do not plan to have any construction costs for this grant program.

Other

Federal: **\$196,800**
Non-Federal: **\$300,066**
Total: **\$496,866**

See the Detailed Budget Spreadsheet for calculations

- **Program Support Services (Federal):** An intergovernmental agreement will be negotiated between Arizona Department of Administration / Arizona Strategic Enterprise Technology (ADOA-ASET) and Arizona Department of Homeland Security (AZDOHS) for specific deliverables as part of a fixed price agreement of \$150,000. AZDOHS has developed significant stakeholder relationships throughout Arizona. Various stakeholder meetings are conducted weekly and are a conduit for public outreach and information sharing with Federal, State, local, Tribal, public, private and non-profit organizations. AZDOHS will provide planning support at workshops or events to optimize and further advance the goals and objectives of the SLIGP.

Specific deliverables and estimated costs are as follows:

\$20,000	Develop and facilitate coordination effort to encompass the SLIGP initiatives into the Arizona Homeland Security Strategy, the Threat Hazards Identification Risk Assessment (THIRA), State Preparedness Report (SPR), and Capability Estimation processes.
\$ 10,000	Assist with development of the Baseline/Expenditure Plans
\$ 7,500	Advise on the development of the In-Kind Match tracking and reporting process and monitor processes
\$ 15,000	Advise on the development of reporting, tracking, and management processes (file systems, policies, spreadsheets, etc...)
\$12,000	Provide coordination and consulting with public safety stakeholders and federal land owner agencies
\$30,000	Provide Tribal liaison services to include coordination and facilitation of Tribal Outreach Program
\$15,000	Assist with the development of a set of MOU templates
\$12,000	Advise on NEPA, SHPO, and Tribal Preservation issues as they arise as they relate to "any specific obstacles, laws, and/or legal issues that will likely impede your ability to participate fully in the nationwide public safety broadband network or in SLIGP" (Supplemental 12.a.)
\$ 6,000	Provide quarterly report reviews

\$ 7,500	Perform Public Safety Stakeholder Outreach
\$15,000	Provide subject matter expertise in the planning efforts to identify any existing contractual requirements regarding hardening, security, reliability, resiliency for existing government networks and commercial carriers providing wireless data services

- **Web Hosting and Development (Federal):** Due to the need to collaborate with a significant number of external stakeholders, we anticipate needing to develop a public website for education and outreach purposes and a separate restricted SharePoint site for data collection of public safety sensitive information. \$46,800 has been budgeted for the development and operations of these two sites.
- **Meeting Attendance Time (Non-Federal):** We will hold SLIGP workgroup meetings bi-weekly and Statewide Interoperability Governing Body (SIGB) equivalent meetings almost every month (ten times per year) during the award period. In addition, there will be local participation in the Education & Outreach, Data Survey/Collection and Coverage, NTIA, FirstNet and other National Organizations (APCO, NPSTC, NASCIO, WestNet etc.) Public Safety Broadband specific meetings. These meetings are attended by representatives of local jurisdictions. The local jurisdictions will donate the time their staff spends to participate in these meetings as an in-kind match in proportion to the meeting time spent on SLIGP allowable activities. Estimates for the value of the representatives' time are based on an average hourly unburdened (excluding benefits) rate. Of the total effort for these types of activities we estimated 20% of participants will be State employees and 80% of participants will be local employees.

The present State accounting system, the Arizona Financial Information System (AFIS), is over 20 years old and does not allow the tracking of non-cash transactions with outside agencies. Arizona is in the process of updating the system, but the State's new ERP financial system won't be available until July 2015. In order to account for the portion of the in-kind match for the SLIGP grant coming from the time contributed by local agencies, PSIC will establish the following system:

1. At each stakeholder meeting or function, attendees will be asked to complete a tracking sheet to log their attendance at the meeting. The sheet will request their name, title or role, organization, date of contributed time, time contributed, and pay rate. Additionally, the tracking sheet will contain a certification line, on which attendees will sign to indicate that this information is accurate to the best of their knowledge, as well as agreeing to provide additional information or inspection of records if requested by federal grantor or other oversight agencies. These sheets will be kept as a backup, as well as scanned to provide a soft copy. [Note: Those who do not wish to divulge their pay rate will have their rate calculated using burdened rates from Bureau of Labor Statistics - - Occupational Employment Statistics.]
2. Following each meeting, the information gathered from the tracking sheets will be entered into a master tracking spreadsheet. This spreadsheet will track the name, title or role, organization, date of contributed time, time contributed, pay rate, total value of the contribution, and the sources of this information.

3. Utilizing the information in the master tracking spreadsheet, the PSIC Office will produce monthly reports that aggregate the amount of in-kind contribution of local personnel time contributed per meeting.
4. All records will be maintained in both hard and soft copy in accordance with State of Arizona records retention regulations and appropriate NTIA requirements and will be available for inspection if requested by federal grantor or other oversight agencies.

Indirect

<i>Federal:</i>	\$0
<i>Non-Federal:</i>	\$0
<i>Total:</i>	\$0

We do not plan to have any indirect costs for this grant program.

TOTALS

<i>Federal:</i>	\$2,911,147
<i>Non-Federal:</i>	\$739,796
<i>Total:</i>	\$3,650,943

Arizona SLIGP Detailed Budget Spreadsheet

Category	Detailed Description of Budget (for full grant period)				Breakdown of Costs	
	Quantity	Units	Unit Cost	Total Cost	Federal	Non-Federal
a. Personnel						
SWIC The SWIC will spend 25% of the time on SLIGP grant activities for 3 years. The SWIC's annual salary is \$100,000. $\$100,000 \times 25\% = \$25,000$	3	years	\$25,000	\$75,000		\$75,000
Deputy SWIC The Deputy SWIC will spend 33% of the time on SLIGP grant activities for 3 years. The Deputy SWIC's annual salary is \$90,000. $\$90,000 \times 33\% = \$30,000$	3	years	\$30,000	\$90,000		\$90,000
PSIC Project Manager (PM) The PM will spend 25% of the time on SLIGP grant activities for 3 years. The PM's annual salary is \$60,000. $\$60,000 \times 25\% = \$15,000$	3	years	\$15,000	\$45,000		\$45,000
Finance & Planning Staff Member (F&P) The F&P Staff Member will spend 25% of the time on SLIGP grant activities for 3 years. The F&P's annual salary is \$60,000. $\$60,000 \times 25\% = \$15,000$	3	years	\$15,000	\$45,000		\$45,000
SLIGP Grant preparation Staff spent 100% of the hours noted on SLIGP grant preparation	229	hours	\$36	\$8,244		\$8,244
Data Survey (Non-federal): The time spent by prospective FirstNet participants filling out the OEC Broadband Technical Assistance survey. With 37,000 possible and using a 10% response rate there would be ~3700 respondents taking an average 40 minutes at an blended rate of \$26 per hour we estimate \$57,720 in salary credit. State employees are estimated at 20% so the final amount is \$11,544. These are Phase II costs and will not be started until FirstNet defines the data collection details.	444	hours	\$26	\$11,544		\$11,544
Arizona Public Safety Broadband Workgroup (Non-federal): Time spent participating in the AZPSBN Workgroup meetings. With an average attendance of 10 persons for 78 one-hour bi-weekly meetings at a blended rate of \$26 per hour we estimate \$20,280 in salary credit. State employees are estimated at 20% so the final amount is \$4,056.	156	hours	\$26	\$4,056		\$4,056
PSCC & SIEC (SIGB) Meeting participation (Non-federal): Time spent participating in the SIGB meetings. With an average attendance of 30 persons for 30 one-hour meetings with 25% NPSBN content at a blended rate of \$26 per hour we estimate \$5,850 in salary credit. State employees are estimated at 20% so the final amount is \$1,170.	45	hours	\$26	\$1,170		\$1,170
Education and Outreach (E&O) Meeting participation (Non-federal): Time spent participating in the E&O meetings. With an average attendance of 25 persons for 145 meetings at a blended rate of \$26 per hour we estimate \$94,250 in salary credit. State employees are estimated at 20% so the final amount is \$18,850.	725	hours	\$26	\$18,850		\$18,850

Data Collection and Coverage (DCC) Meeting participation (Non-federal): Time spent participating in the on-site Data Collection sessions. For one person's time in a 5 hour session per 1400 statewide sites a blended rate of \$26 per hour we estimate \$182,00 in salary credit. State employees are estimated at 20% so the final amount is \$36,400. These are Phase II costs and will not be started until FirstNet defines the data collection details.	1400	hours	\$26	\$36,400		\$36,400
National Meeting participation (Non-federal): Time spent participating in the National (NPSTC, APCO, NTIA, FirstNet, etc.) meetings. With an average attendance of 3 persons for 24 2 day 8 hour long meetings at a blended rate of \$26 per hour we estimate \$29,952 in salary credit. State employees are estimated at 20% so the final amount is \$5,980. Reduced by 50% to account for 50% SLIGP related content.	115	hours	\$26	\$2,990		\$2,990
Total Personnel				\$338,254		\$338,254
b. Fringe Benefits	Quantity	Units	Unit Cost	Total Cost	Federal	Non-Federal
SWIC Fringe is calculated at 30% of salary, for the portion of time spent on SLIGP activities	\$75,000		30%	\$22,500		\$22,500
Deputy SWIC Fringe is calculated at 30% of salary, for the portion of time spent on SLIGP activities	\$90,000		30%	\$27,000		\$27,000
PSIC Project Manager Fringe is calculated at 30% of salary, for the portion of time spent on SLIGP activities	\$45,000		30%	\$13,500		\$13,500
Finance & Planning Fringe is calculated at 30% of salary, for the portion of time spent on SLIGP activities	\$45,000		30%	\$13,500		\$13,500
SLIGP Grant preparation Fringe is calculated at 30% of salary, for the portion of time spent on SLIGP activities	\$8,244		30%	\$2,473		\$2,473
Data Survey Fringe is calculated at 30% of salary, for the portion of time spent on SLIGP activities. These are Phase II costs and will not be started until FirstNet defines the data collection details.	\$11,544		30%	\$3,463		\$3,463
Arizona Public Safety Broadband Workgroup Fringe is calculated at 30% of salary, for the portion of time spent on SLIGP activities	\$4,056		30%	\$1,217		\$1,217
PSOC & SIGC (SIGB) Meeting participation Fringe is calculated at 30% of salary, for the portion of time spent on SLIGP activities	\$1,170		30%	\$351		\$351
Education and Outreach (E&O) Meeting participation Fringe is calculated at 30% of salary, for the portion of time spent on SLIGP activities	\$18,850		30%	\$5,655		\$5,655
Data Collection and Coverage (DCC) Meeting participation Fringe is calculated at 30% of salary, for the portion of time spent on SLIGP activities. These are Phase II costs and will not be started until FirstNet defines the data collection details.	\$36,400		30%	\$10,920		\$10,920
National Meeting participation (Non-federal): Time spent participating in the National (NPSTC, APCO, NTIA, FirstNet, etc.) meetings. Fringe is calculated at 30% of salary, for the portion of time spent on SLIGP activities	\$2,990		30%	\$897		\$897
Total Fringe Benefits				\$101,476		\$101,476
c. Travel	Quantity	Units	Unit Cost	Total Cost	Federal	Non-Federal

Education and Outreach Meetings: The Cost per Meeting is based on the average mileage from Phoenix to each of the County Seats at the State rates of 44.5¢ per Mile, \$60 per night for Lodging and \$34 per day for Food. Each trip includes Lodging and Food for 3 people and mileage reimbursement for 2 cars. The average trip is 310 miles requiring one day and one night. The average cost per trip is \$558.	145	meetings	\$558.00	\$80,910	\$80,910	
Data Collection and Coverage Meetings: The Cost per Week is based on 300 miles per week, \$34 per day for Food for 5 days and \$60 per night for Lodging for 4 nights for 1.5 people over a 2.5 year period (48 weeks per year). The average cost per week is \$816. These are Phase II costs and will not be started until FirstNet defines the data collection details.	120	weeks	\$816.00	\$97,920	\$97,920	
Special Meetings (Risk/Regional/MOU): The Cost per Meeting is based on the average mileage from Phoenix to each of the County Seats at the State rates of 44.5¢ per Mile, \$60 per night for Lodging and \$34 per day for Food. Each trip includes Lodging and Food for 3 people and mileage for 2 cars. The average trip is 310 miles requiring one day and one night. The average cost per trip is \$558.	20	meetings	\$558.00	\$11,160	\$11,160	
NPSTC Meetings: 6 meetings per 3 years for 3 people attending each meeting with estimated costs of \$500 per ticket, \$100 per room (3 nights) and \$50 for day for food (4 days), and car rental of \$100 for a total of \$1,100/trip/person. Reduced by 50% to account for 50% SLIGP related content.	18	trips	\$550	\$9,900	\$9,900	
APCO Meetings: 6 meetings per 3 years for 3 people attending each meeting with estimated costs of \$500 per ticket, \$100 per room (3 nights), \$50 per day for food (4 days), and car rental of \$100 for a total of \$1,100/trip/person	18	trips	\$1,100	\$19,800	\$19,800	
SWBCWG Meetings: 12 meetings per 3 years for 4 people attending each meeting with estimated costs of \$500 per ticket, \$100 per room (2 nights), \$50 per day for food (3 days), and car rental of \$100 for a total of \$950/trip/person. Reduced by 50% to account for 50% SLIGP related content.	48	trips	\$475	\$22,800	\$22,800	
NTIA Meetings: 12 meetings per 3 years for 5 people attending each meeting with estimated costs of \$500 per ticket, \$100 per room (2 nights), \$50 per day for food (3 days), and car rental of \$100 for a total of \$950/trip/person.	60	trips	\$950	\$57,000	\$57,000	
FirstNet Meetings: 12 meetings per 3 years for 10 people attending each meeting with estimated costs of \$500 per ticket \$100 per room (2 nights), \$50 per day for food (3 days), and car rental of \$100 for a total of \$950/trip/person.	120	trips	\$950	\$114,000	\$114,000	
Total Travel				\$413,490	\$413,490	\$0
d. Equipment	Quantity	Units	Unit Cost	Total Cost	Federal	Non-Federal
N/A	0		\$0	\$0	\$0	
Total Equipment				\$0	\$0	\$0
e. Supplies	Quantity	Units	Unit Cost	Total Cost	Federal	Non-Federal
General office supplies over the three year period of performance including pens, notepads, paper, envelopes, postage, name tags, etc. Budgeted at \$198/month for 3 years.	36	monthly	\$198	\$7,117	\$7,117	

Fed

Electronics - \$26,000 -laptops (7) \$1900 \$13,300 -tablets (7) \$500 \$3,500 -projectors (4) \$1,200 \$4,800 -four meeting recording equipment packages (each include 1 recorder, 4 microphones, 4 cables and two splitters). --- recorders (4) \$200 \$800 --- microphones (16) \$200 \$3200 --- cables (16) \$15 \$240 --- splitters (8) \$20 \$160	1	total	\$26,000	\$26,000	\$26,000	
Software (GIS mapping, Contact Management Software, Project Management Software, etc.) – \$16,540 - GIS mapping (2) \$1,250 \$2,500 -Project Management Software User licenses (4) \$85/month \$12,240 -Contact Management Software User licenses (10) \$5/month \$1,800 We will be using GIS mapping tools to manage Education & Outreach by tracking the agencies/jurisdictions within X number of miles of a meeting location.	1	total	\$16,540	\$16,540	\$16,540	
Total Supplies				\$49,657	\$49,657	\$0
f. Contractual	Quantity	Units	Unit Cost	Total Cost	Federal	Non-Federal
Program Manager*	5760	hours	\$120	\$691,200	\$691,200	
Project Manager*	5760	hours	\$75	\$432,000	\$432,000	
Administrator*	5760	hours	\$45	\$259,200	\$259,200	
Policy/Regulatory SME	1080	hours	\$120	\$129,600	\$129,600	
DCC SME. These are Phase II costs and will not be started until FirstNet defines the data collection details.	1080	hours	\$120	\$129,600	\$129,600	
GIS SME. These are Phase II costs and will not be started until FirstNet defines the data collection details.	1080	hours	\$120	\$129,600	\$129,600	
E&O Contractors	4800	hours	\$40	\$192,000	\$192,000	
DCC Contractors. These are Phase II costs and will not be started until FirstNet defines the data collection details.	7200	hours	\$40	\$288,000	\$288,000	
Total Contractual				\$ 2,251,200	\$ 2,251,200	\$0
g. Construction	Quantity	Units	Unit Cost	Total Cost	Federal	Non-Federal
N/A				\$0		
Total Construction				\$0	\$0	\$0
h. Other	Quantity	Units	Unit Cost	Total Cost	Federal	Non-Federal

<p>Program Support services: (Federal) Develop Tribal Outreach Program (\$20,000) - Assist with development of the Baseline/Expenditure Plans (\$7,500) - Advise on the development of the In-Kind Match tracking and reporting process (\$5,000) - Advise on the development of reporting, tracking, and management processes (file systems, policies, spreadsheets, etc...) (\$7,500) - Provide coordination and consulting with public safety stakeholders and federal land owner agencies (\$4,000 / year) (\$12,000) - Provide Tribal liaison services (\$15,000 / year) (\$45,000) - Assist with the development of a set of MOU templates (\$15,000) - Advise on NEPA, SHPO, and Tribal Preservation issues as they arise (\$4,000 / year) (\$12,000) - Provide quarterly report reviews (\$2,000 / year) (\$6,000) - Perform Public Safety Stakeholder Outreach (\$5,000) - Development of a plan to identify any existing contractual requirements regarding hardening, security, reliability, resiliency for existing government networks and commercial carriers providing wireless data services (\$15,000)</p>	1	Package	\$150,000	\$150,000	\$150,000	
<p>Web Hosting and Development (Federal): Due to the need to collaborate with a significant number of external stakeholders, we anticipate needing to develop a public website for education and outreach purposes and a separate restricted SharePoint site for data collection of public safety sensitive information. \$46,800 has been budgeted for the development and operations of these two sites. The annual hosting costs of \$11,440/year (\$34,320 for full grant period) include \$400/year for a Secure Sockets Layer (SSL) Certificate, \$495/month (\$5,940/year) for SharePoint Services, and \$425/month (\$5,100/year) for website hosting. In addition we estimate web development costs of \$12,480 (130 hours @ \$96/hr).</p>	1	Package	\$46,800	\$46,800	\$46,800	
<p>Data Survey (Non-federal): The time spent by prospective FirstNet participants filling out the OEC Broadband Technical Assistance survey With 37,000 possible and using a 10% response rate there would be ~3700 respondents taking an average 40 minutes at a blended rate of \$26 per hour we estimate \$57,720 in salary credit. Non-state employees are estimated at 80% so the final amount is \$46,176. These are Phase II costs and will not be started until FirstNet defines the data collection details.</p>	1776	hours	\$26	\$46,176		\$46,176
<p>Arizona Public Safety Broadband Workgroup (Non-federal): Time spent participating in the AZPSBN Workgroup meetings With an average attendance of 10 persons for 78 one-hour bi weekly meetings at a blended rate of \$26 per hour we estimate \$20,280 in salary credit. Non-state employees are estimated at 80% so the final amount is \$16,224</p>	624	hours	\$26	\$16,224		\$16,224
<p>PSCC & SIEC (SIGB) Meeting participation (Non-federal): Time spent participating in the SIGB meetings. With an average attendance of 30 persons for 30 one-hour meetings with 25% NPSBN content at a blended rate of \$26 per hour we estimate \$5,850 in salary credit. Non-state employees are estimated at 80% so the final amount is \$4,680</p>	180	hours	\$26	\$4,680		\$4,680

Education and Outreach (E&O) Meeting participation (Non-federal): Time spent participating in the E&O meetings. With an average attendance of 25 persons for 145 meetings at a blended rate of \$26 per hour we estimate \$94,250 in salary credit. Non-state employees are estimated at 80% so the final amount is \$75,400	2900	hours	\$26	\$75,400		\$75,400
Data Collection and Coverage (DCC) Meeting participation (Non-federal): Time spent participating in the on-site Data Collection sessions. For one person's time in a 5 hour session per 1400 statewide sites a blended rate of \$26 per hour we estimate \$184,800 in salary credit. Non-state employees are estimated at 80% so the final amount is \$145,600	5600	hours	\$26	\$145,600		\$145,600
National Meeting participation (Non-federal): Time spent participating in the National (NPSTC, APCO, NTIA, FirstNet, etc.) meetings. With an average attendance of 3 persons for 24 2 day 8 hour long meetings at a blended rate of \$26 per hour we estimate \$29,952 in salary credit. Reduced by 50% to account for 50% SLIGP related content. Non-state employees are estimated at 80% so the final amount is \$23,972	461	hours	\$26	\$11,986		\$11,986
Total Other				\$496,866	\$196,800	\$300,066
Total Direct Charges				\$3,650,943	\$2,911,147	\$739,796
i. Indirect Costs	Quantity	Units	Unit Cost	Total Cost	Federal	Non-Federal
N/A						
Total Indirect				\$0	\$0	\$0
TOTALS				\$3,650,943	\$2,911,147	\$739,796

Arizona Supplemental Application Narrative

OMB CONTROL NO. 0660-0038

EXPIRATION DATE: 7/31/2013

State and Local Implementation Grant Program (SLIGP)

Supplemental Application Narrative

1. Existing Governance Body

a. Describe the organizational structure and membership of the existing Statewide Interoperability Governing Body (SIGB), or its equivalent, that is responsible for public safety communications in the State.

A multi-level structure governs Arizona interoperable communications. This structure consists of the Arizona's SIGB (the Public Safety Communications Advisory Commission (PSCC)), the Statewide Interoperability Executive Committee (SIEC), and their workgroups, including the Arizona Public Safety Broadband Network Workgroup. The PSCC and SIEC are managed and staffed by, and in turn advises, Arizona's Statewide Interoperability Coordinator (SWIC) Office (the Public Safety Interoperable Communications (PSIC) Office). Key Arizona partner agencies include the Arizona Department of Homeland Security (AZDOHS), Arizona Department of Emergency Management (ADEM), and Arizona Department of Public Safety (DPS) (Figure 1).

State of Arizona Governance Structure for Public Safety Interoperable Communications

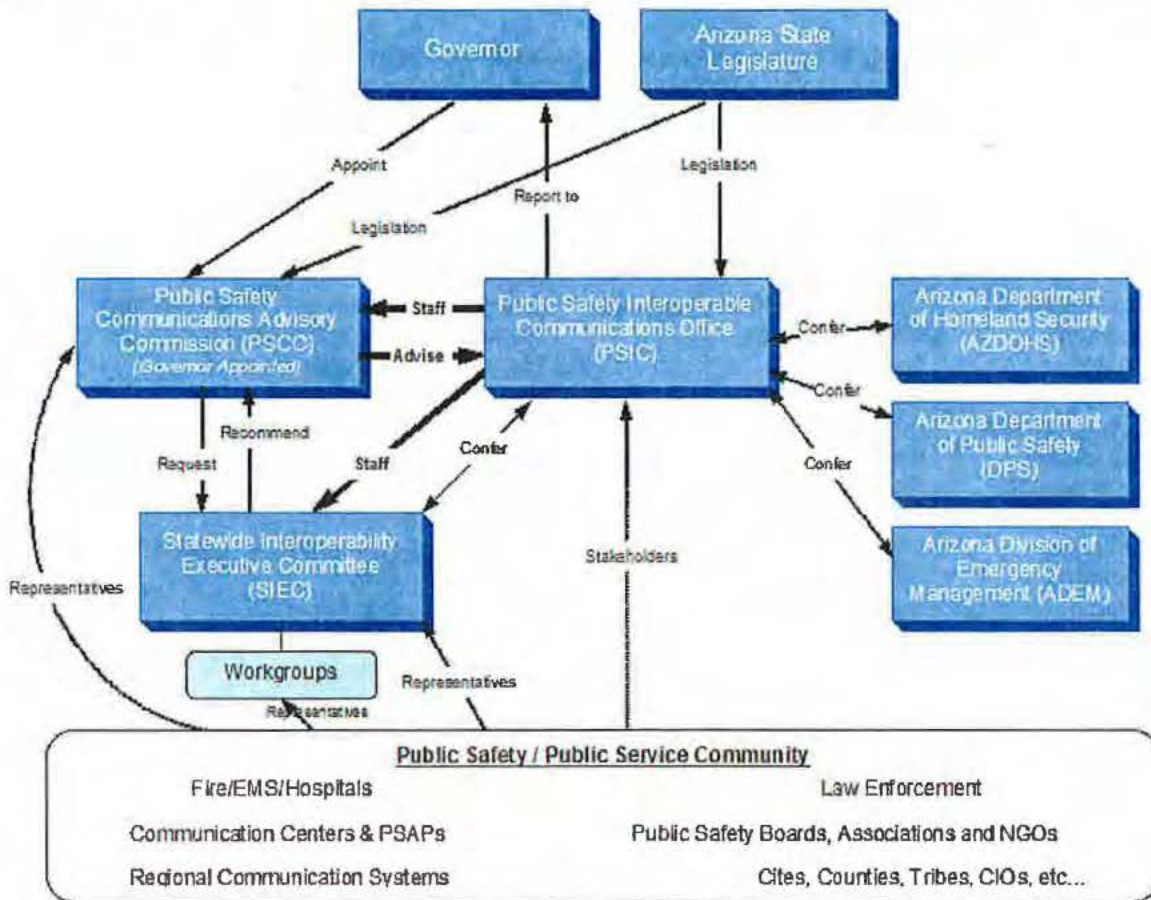


Figure 1: Arizona Organizational Model

1/1/2013
75

Arizona Supplemental Application Narrative

Public Safety Communications Advisory Commission

The Public Safety Communications Advisory Commission (PSCC) is Arizona's SIGB. The PSCC is legislatively established as an advisory body for statewide interoperability efforts. The PSCC was established into State law in 2004 by the Arizona State Legislature under A.R.S. §41-3541 and §41-3542.

The Commission provides a forum to discuss public safety communications initiatives developed at the State, regional, local and Tribal level. Additionally, the PSCC provides a mechanism for coordinating public safety communications issues with multi-state, federal, and other agencies that operate within Arizona.

The PSCC consists of 15 governor-appointed members reflecting multi-disciplinary public safety and service agencies/organizations including representatives from DPS, police, sheriff's office, fire, EMS, and communications entities, along with the AZDOHS and Arizona Department of Administration - Arizona Strategic Enterprise Technology (ADOA-ASET). Appointments to the Commission are made so that the existing five Homeland Security Regions in Arizona are as equally represented as possible. Members are appointed by the Governor for three year terms and must be confirmed by the Arizona State Senate.

The ADOA Director or his designee serves as the PSCC Chair. The PSCC Chair designated by the ADOA Director is the ADOA Deputy Director and State Chief Information Officer (State CIO) who also oversees the SWIC (PSIC) Office, Arizona's 9-1-1 Program and the Digital Arizona Program (Arizona's State Broadband Initiative (SBI) Program).

The PSCC has held regular open and public meetings since its inception. The PSCC meets at least quarterly, and more often as necessary. All meetings are publicly noticed and conducted in accordance with Arizona open meeting laws (A.R.S. §38-431). Public meeting minutes from past PSCC meetings are posted on the PSIC Office website.

Current PSCC Commissioners

Name	Title	Agency
Aaron V. Sandeen	Deputy Director & State CIO	Arizona Department of Administration
Thomas Alinen	Chief of Police	Sierra Vista Police Department
David Azuelo	Captain	Tucson Police Department
Glenn Brown	Fire Chief	Mayer Fire Department
William David Bunce	Fire Chief	Salt River Pima Maricopa Indian Community
Steven Campbell	Chief	City of El Mirage Police Department
Douglas Chappell	Fire Chief	Drexel Fire
Patrick Hancock	Chief	Snowflake Fire
Gilbert Orrantia	Director	Arizona Department of Homeland Security
William Pribil	Sheriff	Coconino County
Patrick Quinn	Deputy Chief	Tucson Fire Department
Jeffrey Raynor	Lt. Colonel	Department of Public Safety
Bryan Savage	Fire Chief	Lakeside Fire Department
Mike Worrell	Captain	Phoenix Fire Department

Statewide Interoperability Executive Committee

The Statewide Interoperability Executive Committee (SIEC) is a technical and operational advisory committee to the PSCC consisting of two co-chairs appointed by the PSCC and three additional members selected by the SIEC co-chairs. The SIEC also has authority over 700 Megahertz (MHz), Very High Frequency (VHF), and Ultra High Frequency (UHF) interoperability frequencies in Arizona. The SIEC forms Workgroups and encourages broad participation from public safety and service agencies/organizations in these Workgroups.

Arizona Supplemental Application Narrative

SIEC meetings are scheduled to occur between meetings of the PSCC. This schedule enables the PSCC to guide the work of the SIEC and allows the SIEC (and its Workgroups) time to progress on projects before the next PSCC meeting. All SIEC meetings are publicly noticed and conducted in accordance with Arizona open meeting laws (A.R.S. §38-431). Public meeting minutes from past SIEC meetings are posted on the PSIC Office website.

SIEC Members

Name	Title	Agency
Mark Venuti (Co-Chair)	Director	Guardian Medical Transport
Paul Wilson (Co-Chair)	Captain	Pima County Sheriff's Department
Scott Tillman	Wireless Systems Engineer	AZ Department of Public Safety
Pete Weaver	Director	Maricopa County Department of Emergency Management
Jesse Cooper	Acting Bureau Administrator/ IT Project Manager	Phoenix Police Department

Workgroups

The PSCC and SIEC are supported by Workgroups composed of numerous volunteers from public safety and service agencies/organizations.

The **Arizona Public Safety Broadband Network (AZPSBN) Workgroup** was formed April 17, 2012 to develop statewide standards for interoperability on the National Public Safety Broadband Network (NPSBN) and work with the PSIC Office and the Arizona public safety community to develop an inclusive plan for managing the State and Local Implementation Grant Program.

The **Technical Workgroup** evaluates and makes recommendations from a technical perspective to the SIEC on policies, standards and procedures (PSP). Examples of issues tasked to this workgroup include issues surrounding spectrum management and utilization of the Communication Assets Survey and Mapping Tool (CASM).

The **Operational Workgroup** evaluates and makes recommendations from an operational perspective to the SIEC on Memoranda of Understanding (MOUs), Standard Operating Procedures (SOPs), training and exercises, and outreach initiatives.

The **NIMS Communication Unit (NIMS-CU) Workgroup** reviews the qualifications of applicants seeking Arizona regional recognition or renewal of recognition for All-Hazards positions within the Incident Command Structure (ICS) Communications Unit and awards recognition to qualified applicants. The Workgroup also developed and now maintains a body of policies and procedures (approved by the SIEC) related to Arizona's recognition program. This Workgroup was appointed by the SIEC from individuals highly skilled in the NIMS compliant Communications Unit.

The **Interoperable Channels Plan Workgroup** evaluates national interoperable trends and standards and has established the Arizona Statewide Interoperable Channels Plan and Programming Guide and is responsible for updates to that Plan and Guide.

The **Policies, Standards and Procedures (PSPs) Workgroup** develops and promotes the framework for PSP documentation. The Workgroup is also working on Regional level PSP/SOP document templates.

The **Arizona Interagency Radio System (AIRS) Workgroup** evaluates and makes recommendations to the SIEC on AIRS related issues. AIRS consists of a series of high-site, tri-band repeaters using mutual aid channels which enable cross-banded communications among VHF, UHF and 800 MHz users. Issues tasked to this workgroup include development of AIRS related PSPs, issues surrounding AIRS channel assignments, deployment of AIRS assets, and development of an improvement and sustainability plan for AIRS.

Arizona Supplemental Application Narrative

Public Safety Interoperable Communications Office

The Public Safety Interoperable Communications (PSIC) Office within ADOA-ASET is charged with advancing interoperable communications in Arizona and supporting the PSCC and SIEC in performance of their missions. The PSIC Office is managed by the Statewide Interoperability Coordinator (SWIC).

PSIC Office Mission: The PSIC Office serves as a leader for Arizona in advancing public safety communications interoperability.

PSIC Office Annual Plan: The PSIC Office Annual Plan provides a framework for the activities of the SWIC/PSIC Office and is intended to be a companion document to Arizona's SCIP. The PSIC Office Plan describes how the PSIC Office and its staff will operate to advance the SCIP and interoperability statewide. The PSIC Office annually seeks advice from the PSCC and SIEC on the content of and revisions to the PSIC Office Plan.

The key priorities of the PSIC Office (described in more detail in its Annual Plan) are:

1. Serve as Arizona's Interoperability Representative – As the State's principal communications interoperability contact to State, federal, local, Tribal and non-governmental agencies and organizations, the SWIC/PSIC Office communicates with appropriate authorities regarding resources needed by Arizona; educates stakeholders regarding best practices and resources available to them; and participates in multi-state, regional, national and border initiatives.

Federal Agencies

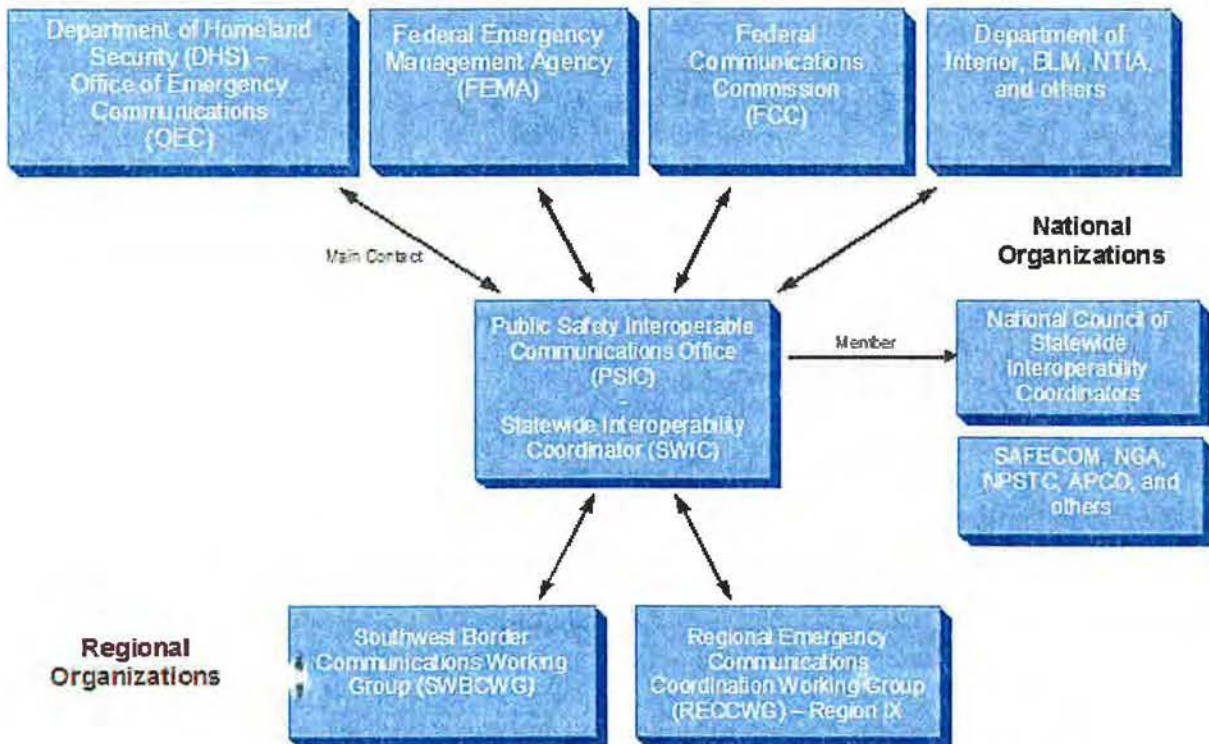


Figure 2: Relationship to Federal, National, and Regional Organizations

2. Advance Arizona's SCIP – The SWIC/PSIC Office is responsible for developing and updating Arizona's Statewide Communications Interoperability Plan (SCIP). The vision set forth in Arizona's SCIP is that Arizona's public safety and service agencies/organizations (at all levels of government and

Arizona Supplemental Application Narrative

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.

Arizona's SCIP is updated annually based on extensive statewide stakeholder feedback and submitted to Arizona's SIGB (PSCC) for approval. Arizona's SCIP covers both voice and data communications interoperability. The SWIC/PSIC Office supports SCIP initiatives through planning, consulting and/or implementation of projects which it manages or through oversight and monitoring of projects managed by others. The PSIC Office provides updates at every PSCC and SIEC meeting regarding the status of progress on each SCIP initiative and related objectives.

3. Support Funding & Prepares Reports – The SWIC/PSIC Office seeks funding and technical assistance to ensure program sustainability and reports progress to federal and State authorities.

4. Logistics & Operations – The SWIC/PSIC Office supports Commission, Committee and Workgroup meetings, develops action plans, Requests for Proposal (RFP) and Requests for Quotation (RFQ), and performs other activities to support operations.

5. Stakeholder Engagement & Interactions – The SWIC/PSIC Office engages public safety stakeholders statewide to share information, identify needs and resources, participate in training and exercises, and ensure that stakeholder feedback is reaching the PSCC and SIEC and federal agencies.

SWIC/PSIC Office Staffing

The SWIC/PSIC Office has a SWIC, a Deputy SWIC, 4 Project Managers and a Project Coordinator.

b. Describe the SIGB's authority to make decisions regarding public safety communications and how these decisions are implemented.

The Arizona Revised Statute, A.R.S. §41-3542 sets forth the powers and duties of the SIGB (PSCC) and its supporting state agency (the SWIC or PSIC Office). The PSCC makes recommendations to the PSIC Office regarding communications interoperable plans, standards, priorities, projects, etc. Specifically, §41-3542 reads:

The Arizona PSCC shall make recommendations to the agency regarding the development and maintenance of work plans to outline areas of work to be performed and appropriate schedules for at least the following:

- 1. The development of a standard-based system that provides interoperability of public safety agencies' communications statewide.*
- 2. The promotion of the development and use of standard based systems.*
- 3. The identification of priorities and essential tasks determined by the advisory commission.*
- 4. The development of a timeline for project activities.*
- 5. Completion of a survey of existing and planned efforts statewide and benchmark against similar efforts nationally.*
- 6. Providing support for the state interoperability executive committee.*
- 7. Establishing committees and work groups as necessary.*

The decisions of the PSCC are implemented by the PSIC Office. In addition to developing an annual Plan for PSIC Office activities based on PSCC direction, the PSIC Office also develops and follows project plans for each project to assure effective project implementation. The PSIC Office also communicates about our progress extensively to our statewide stakeholders.

Further, the PSIC Office leverages our efforts across multiple initiatives when possible. For instance, the Office promoted programming and use of our Statewide Interoperable Channels Plan and Priority Programming Guide while also assisting agencies and jurisdictions to address the federal narrow-

Arizona Supplemental Application Narrative

banding requirements. As another example, the PSIC Office leveraged our NECP Goal Two assessment efforts by requiring involved agencies to update their CASM data.

c. Describe how the State will leverage its existing SIGB, or its equivalent, to coordinate the implementation of the Public Safety Broadband Network (PSBN) in the State.

The PSIC Office has provided updates on the status of the NPSBN initiative to both the PSCC and SIEC at every meeting of each body since September 2010. Furthermore, due to the Mesa TOPAZ's LTE broadband waiver, the PSIC Office has been a regular participant in the Public Safety Spectrum Trust's Operator Advisory Council (OAC) meetings. [Note: Recently the OAC was renamed and is now known as the Early Builders Advisory Council (EBAC).]

After Public Law 112-96 was passed, the PSIC Office met, on March 13, 2012, with several of the Governor's policy advisors along with representatives from AZDOHS, DPS, the PSIC (SWIC) Office and the State CIO Office to review the legislation and Arizona's planned approach to provide the best opportunity for its public safety service agencies and their Tribal partners to benefit from the planned network. As a result of this meeting it was determined that the SWIC/PSIC Office (under the authority of the Office of the State CIO – SIGB Chairman) would serve as the single point of contact for Arizona for the NPSBN (benefiting from the advice of Arizona's SIGB – PSCC). The SWIC/PSIC Office has been sending monthly updates to the Arizona Governor's Office and leadership of ADOA, ASET, AZDOHS, DPS and ADEM since March 2012 on the NPSBN.

At the meeting of the PSCC held on April 17, 2012, the PSCC authorized the formation of the AZPSBN Workgroup to work with the SWIC/PSIC Office to develop an inclusive plan for managing the State and Local Implementation Grant Program. The AZPSBN Workgroup has been meeting consistently since formation to prepare for the SLIGP grant and interactions with NTIA/FirstNet and to provide regular updates to the PSCC and SIEC regarding its activities.

Furthermore, the Governor's Office has provided a letter of designation as part of this submission package referencing the State CIO (chair of the SIGB, with the PSIC Office (staff to the SIGB) taking the lead on the program) as the single point of contact for working with NTIA and FirstNet.

In summary, the PSIC Office has been leveraging the SIGB organization and authority to support and implement the State and Local Implementation Grant Program in the State of Arizona.

The PSIC Office will continue to leverage our SIGB (PSCC) as follows:

- Meet bi-weekly with the PSCC's AZPSBN Workgroup to focus on current issues and opportunities.
- Update the PSCC/SIEC at every meeting (10 meetings planned in 2013).
- Request PSCC/SIEC feedback and direction at every meeting.
- Work with other PSCC/SIEC Workgroups to leverage their specialized knowledge such as Technical Workgroup, Operational Workgroup, Policies, Standards and Procedures Workgroup, etc.
- Continue to work with PSCC's key partner agencies – AZDOHS, ADOA, ADEM, DPS, etc.

d. How does the State plan to expand its existing SIGB to include representatives with an understanding of wireless broadband and Long Term Evolution (LTE) technology in order to facilitate its consultations with FirstNet?

As described above (1-c), the PSCC authorized the formation of the AZPSBN Workgroup. Workgroup formation is Arizona's traditional method for addressing issues and opportunities regarding public safety interoperability as described above (1-a). The team making up the AZPSBN Workgroup represents the traditional public safety disciplines but also includes technically oriented operational staff with land mobile radio (LMR) and wireless broadband knowledge. Additionally, the team includes executive

Arizona Supplemental Application Narrative

managers of large fee-based radio systems to assist in providing input to FirstNet on possible business models for Arizona's broadband network. The sole Tribal representative on the Workgroup recently moved out of state and replacements are being sought through Tribal outreach. Furthermore, the Workgroup is open to adding additional representatives with wireless broadband or LTE knowledge.

Finally, the PSIC Office has begun working with the County and City CIOs (based on their relationships with the State CIO (SIGB Chair), to obtain their input regarding plans for the SLIGP and to begin solidifying the relationships which will be required moving forward to facilitate conversations with FirstNet.

e. Does the State currently dedicate sufficient financial resources to adequately support the SIGB? Does the State intend to invest funds received from SLIGP to financially support the SIGB? If so, provide the amount the State expects to request and describe the SIGB functions that these funds will support.

The State supports the PSIC Office, the PSCC and SIEC through general fund appropriations of approximately \$500,000 annually. The PSIC Office also has a history of applying for, obtaining and employing grant funds to supplement these general fund appropriations to accomplish its mission.

The PSIC Office functions are defined in more detail above (1-a) but include scheduling and managing all SIGB meetings, facilitating communications among all stakeholders and establishing and executing communication initiatives in accordance with Arizona's SCIP. In addition, the PSIC Office contains project and outreach managers who support the PSCC and SIEC on a regular basis.

The State does not plan to ask for funds specifically targeted for the SIGB. Instead, the State will utilize the personnel time targeted at the SLIGP effort related to the SIGB, including preparing plans and status reports for PSCC and SIEC review/comment, as part of our in-kind match. If the PSCC/SIEC support for SLIGP efforts exceeds our current planned level of effort, the program may need to re-allocate SLIGP funds to cover a portion of the SIGB support.

2. Statewide Communications Interoperability Plan (SCIP)

a. Are there existing strategic goals and initiatives in your SCIP focused on public safety wireless broadband? If so, what are they?

Arizona's SCIP is reviewed and updated annually and will continue to be updated as plans for a nationwide and statewide data network evolves. The current Arizona SCIP has been modified in our most recent update (2012) to reflect the anticipated changes required to address public safety wireless broadband. Selected SCIP initiatives were adjusted to include "data" in many of our key initiatives and broadband oriented objectives were added where appropriate. The adjusted elements are highlighted below:

GOVERNANCE

5.8.1.1 Expand and Implement Interoperable Voice and Data Communications Governance Model and Plan

- 1) Conduct an annual review and update the SCIP as needed
- 2) Continue to develop the relationship between and among statewide governance entities and evolving regional and local governance entities

5.8.1.2 Develop Regional Communications Governance Structures

- 1) Develop TICPs and expand the utilization of CASM
- 2) Support tactical and strategic communications planning among federal, State, local and Tribal governments at the regional interstate level (NECP milestone)

5.8.1.3 Implement a Strategy for Supporting National Level Goals Applicable to Regional, State, Local and Tribal Interoperable Communications

- 1) Promote compliance with State, local and Tribal objectives and milestones as listed in the NECP
- 2) Support assessment/demonstration of NECP goals at the State, local, and Tribal level
- 3) Support implementation of FEMA and OEC initiatives

Arizona Supplemental Application Narrative

- 4) Promote compliance with evolving national public safety broadband standards and structures
- 5) Support narrowbanding in compliance with FCC mandates

STANDARD OPERATING PROCEDURES

5.8.2.1 Establish a PSP Framework, and Implement PSPs, Including SOPs, for Statewide Interoperable Communications Solutions

- 1) Develop a statewide interoperable communications PSP Framework
- 2) Develop consistent interoperable communications SOPs and SOP templates
- 3) Implement developed SOPs statewide
- 4) Implement technical solutions to comply with established statewide PSPs
- 5) Develop a statewide public safety broadband integration/implementation strategy and related standards
- 6) Promote the use of plain language and decrease dependence on the use of coded substitutions (NECP milestone)

TECHNOLOGY

5.8.3.1 Enhance and Promote the AIRS Interoperable Communications Solution

- 1) Provide enhanced AIRS coverage in areas requiring additional support
- 2) Develop and Implement an AIRS Improvement and Sustainability Plan

5.8.3.2 Implement, Enhance and Promote Functional Regional Voice and Data Systems in Support of Interoperable Communications

- 1) Encourage partnerships in regional shared systems
- 2) Support the development of new regional shared systems
- 3) Provide enhancements to existing regional shared systems
- 4) Develop interoperability connections between regional shared systems
- 5) Develop regional strategic technology assets and other communications redundancies
- 6) Program national interoperability channels into emergency responder radios (NECP milestone)

5.8.3.3 Upgrade the Statewide Microwave Backbone Infrastructure to Digital Technology

- 1) Complete the Microwave Southern Loop Connectivity (2010 - Complete)
- 2) Complete the Microwave Southwestern Loop Connectivity (subject to funding availability)
- 3) Complete the Microwave Northwestern Loop Connectivity (subject to funding availability)
- 4) Complete the Microwave Northern Loop Connectivity (subject to funding availability)

5.8.3.4 Sustain the State STR

- 1) Pre-position and secure mobile interoperable communications assets for immediate deployment to impacted areas statewide in an emergency or major disaster
- 2) Provide redundant communications assets which can reconstitute basic public safety/service communications in the event of a catastrophic communication failure
- 3) Augment COG capabilities by providing a reserve of communications assets to government officials
- 4) Define alternate/backup capabilities in ECPs (NECP milestone)

5.8.3.5 Upgrade Operable Voice and Data Communication Systems for State Agencies in Support of Interoperable Communications

- 1) Develop a plan to provide State Agency Users with continued access to operable public safety/service LMR communications in support of statewide interoperability
- 2) Implement immediate solutions to enhance operable communication systems for State Agency Users in support of interoperable communications
- 3) Implement upgrades to operable communication systems for State Agency Users in support of interoperable communications

EXERCISES

5.8.4.1 Develop and Implement a Training Plan to Address Interoperable Communications

- 1) Develop regional multi-year communications-focused Training and Exercise Plans (T&EP)
- 2) Develop a statewide multi-year communications-focused T&EP
- 3) Implement AIRS training statewide
- 4) Implement the COML Training and Recognition Program and develop Arizona based federally approved COML instructors
- 5) Implement a COMT Training Program and determine a credentialing protocol

5.8.4.2 Develop and Implement a Strategy for Exercises Focused on or Incorporating Interoperable Communications

- 1) Develop regional multi-year communications-focused T&EPs
- 2) Develop a statewide multi-year communications-focused T&EP
- 3) Conduct exercises focused on or incorporating interoperable communications

USAGE & OUTREACH

5.8.5.1 Create and Implement an Education and Outreach Plan in Support of Interoperable Communications

Arizona Supplemental Application Narrative

- 1) Develop and implement a statewide Education and Outreach Plan in support of interoperable communications that describes the plan for encouraging collaboration and educating policy makers and practitioners
- 2) Provide outreach to all stakeholders regarding NECP requirements and timelines
- 3) Provide outreach to all stakeholders regarding public safety broadband
- 4) Provide outreach to all stakeholders regarding FCC narrow-banding requirements and timelines

Annual changes in Arizona's SCIP will assure that our program can remain current on our SCIP goals / objectives relative to wireless broadband technology as plans for the NPSBN evolve.

b. Describe how the State has engaged local governments and tribal nations, if applicable, in public safety broadband planning activities that have been completed to date.

The PSIC Office has provided the PSCC and SIEC with regular updates on the upcoming NPSBN. All PSCC and SIEC meetings are open public meetings and participation from throughout Arizona are facilitated by a conference line available to any interested party who wishes to listen to the meeting and is unable to travel to the meeting location. In advance of these meetings the PSIC Office alerts stakeholders on the PSIC Office interested parties' list of the upcoming agenda and posts presentations after the meeting on the PSIC Office website. This interested parties' list of 850 includes many local stakeholders as well as representatives from 12 of the State's 22 Tribes.

In addition, the PSIC Office recently presented on public safety broadband to the following groups and their stakeholders: Southwest Border Communications Working Group (SWBCWG), Digital Arizona Council, Arizona Department of Education, Health Information Exchange, the Arizona APCO/NENA, Arizona Homeland Security Regional Advisory Councils (RAC), the State CIO Council and the County CIO Board.

AZPSBN Presentations to Date:

1	PSCC	Sep	2010
2	PSCC	Nov	2010
3	SIEC	Mar	2011
4	SIEC	Jun	2011
5	PSCC	Jul	2011
6	PSCC	Feb	2012
7	Governor's Policy Advisors briefing	Mar	2012
8	SIEC	Mar	2012
9	PSCC	Apr	2012
10	SWBCWG	Apr	2012
11	SIEC	May	2012
12	Digital Arizona Council Pre-meeting	May	2012
13	Digital Arizona Council	May	2012
14	SCIP Update meeting	May	2012
15	Triadvocates (represents multiple technology clients)	July	2012
16	AZ APCO/NENA	July	2012
17	PSCC	July	2012
18	SIEC	Aug	2012
19	PSCC	Sep	2012
20	Utilities Telecommunication Council (UTC) Workshop	Oct	2012
20	SIEC	Oct	2012
21	Arizona Digital Connections Summit	Nov	2012
22	North AZDOHS Regional Advisory Council	Jan	2013
23	South AZDOHS Regional Advisory Council	Jan	2013
24	West AZDOHS Regional Advisory Council	Jan	2013
25	East AZDOHS Regional Advisory Council	Jan	2013
26	Central AZDOHS Regional Advisory Council	Feb	2013
27	Arizona State CIO Council	Feb	2013

Arizona Supplemental Application Narrative

28	County CIO Board	Feb	2013
29	Arizona Emergency Services Association (AESA)	Feb	2013
30	SWBCWG	Feb	2013
31	SIEC & PSCC Joint Meeting	Mar	2013
32	International Wireless Communications Expo (IWCE)	Mar	2013
33	Arizona Homeland Security Senior Advisory Committee	Apr	2013 (scheduled)

In addition to providing updates to the above groups, the PSIC Office will be expanding our outreach even further with the help of the SLIGP grant award to include the following agencies and organizations: Arizona Association of Chiefs of Police, Arizona Fire Chiefs Association, Arizona Fire Districts Association, Arizona Ambulance Association, Arizona Conference of Police and Sheriffs, Arizona Firefighters Association, Arizona Counter Terrorism Information Center (ACTIC), Emergency Operations Centers (EOCs), City, State and County Emergency Managers, Public Health agencies, Central Arizona Life Safety Council, AZDOHS Semi-annual Tribal Conference, etc. [Note: The PSIC Office has experience with outreach to all of these constituencies through our extensive outreach regarding NECP Goal Two assessments and Narrowbanding initiatives.]

c. Does the State intend to use SLIGP funding to support efforts to update the SCIP by adding public safety wireless broadband strategic goals and initiatives? If so, provide the amount the State expects to request and describe the activities that these funds will support.

Yes, during the course of the three year performance period the PSIC Office plans to update the SCIP and other governance documentations annually, including in response to the opportunities and impacts of the NPSBN.

Each annual set of updates will require the following resource investment from the State; however, these updates will cover NPSBN as well as non-NPSBN matters:

- SCIP Update = 4 FTE x 25% time x 8 weeks.
- PSCC Operating Principles Update = 2 FTE x 25% time x 8 weeks.
- SIEC Operating Principles Update = 2 FTE x 25% time x 8 weeks.
- PSIC Office Plan Update = 2 FTE x 25% time x 8 weeks.
- Arizona Statewide Education and Outreach Plan Regarding Public Safety Communications Interoperability = 2 FTE x 25% time x 8 weeks.

To the extent that such updates relate to the NPSBN some of the contract staff time, included in the SLIGP budget, will be used to enable these updates and some of the State's staff will use their time (as in-kind match) to support these updates as well.

3. State-level Involvement

a. What is the status of the Statewide Interoperability Coordinator (SWIC) for your State? Does this person work full-time in the SWIC capacity? How will this person be involved with SLIGP?

The Arizona SWIC is a fully funded position and our SWIC is thoroughly engaged locally, regionally and nationally - working closely with local, State and Tribal stakeholders, federal Department of Homeland Security (DHS), Office of Emergency Communications (OEC), RECCWG, Southwest Border and NCSWIC as well as representing FEMA Region IX on the NCSWIC Executive Council.

Recently, the SWIC has been assigned part time on other projects for the State CIO but as a result, a full-time Deputy SWIC has been appointed to assure full support for the State's interoperability efforts by the SWIC Office. The SWIC/PSIC Office has a SWIC, a Deputy SWIC, 4 Project Managers and a Project Coordinator.

Arizona Supplemental Application Narrative

The SWIC, Deputy SWIC, PSIC Project Manager and Finance and Planning Staff will spend at least $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{4}$ and $\frac{1}{4}$ time, respectively, overseeing Arizona's SLIGP grants program, performing fiscal oversight and managing personnel and vendors. Further, the SWIC, Deputy SWIC and PSIC Project Manager will provide back-up if needed to keep the project moving if issues arise with contract personnel or vendors.

b. How will the State's Chief Information Officer/Chief Technology Officer be involved with SLIGP and with activities related to the implementation of the nationwide public safety broadband network?

All activities of the SLIGP and the nationwide public safety broadband network will be managed by the State CIO, as the designated Officer under this grant appointed by Arizona's Governor. The PSIC Office, which is managed by the SWIC, reports directly to the State CIO. Furthermore, the State CIO chairs Arizona's SIGB equivalent, the PSCC.

c. What other State-level organizations or agencies will be involved with SLIGP?

As mentioned previously, the AZDOHS, DPS and ADEM are ongoing partners in key SCIP interoperability initiatives. AZDOHS is the Homeland Security State Administrative Agency (SAA) and ADEM is the State Training Officer (STO). DPS runs the State microwave network, as well as a network for state agencies through its Wireless Systems Bureau. The PSIC Office also works with other State agencies on interoperability issues, including the Department of Health Services (DHS), Arizona Department of Transportation (ADOT), Attorney General's Office (AG), and the State Land Department.

The PSIC Office meets with these partners regularly as the State works on interoperability projects together. For example:

- The SWIC and SIGB develop interoperability policies that are incorporated into sub-grantee agreements managed by AZDOHS.
- The SWIC serves on the Interoperability Working Group that reviews and makes recommendations on all potential interoperability grants requested from AZDOHS.
- The SWIC is appointed by the Governor to serve on the Homeland Security Senior Advisory Council. The Council reviews and comments on all proposed Homeland Security Grant projects.
- The SWIC works with DPS on several key SCIP initiatives including digital Microwave upgrade, AIRS management and expansion, state agency operability in support of interoperability, etc.
- The SWIC works closely with ADEM on communication unit training and statewide exercises.

For this particular effort, the PSIC Office is also teaming with the 9-1-1 Program, the Digital Arizona Program, Education, Health and Land related Departments to assure we are all coordinating our efforts and providing consistent messaging as each program promotes the expansion of broadband capability throughout the State of Arizona for our respective constituencies. In addition there are other State level organizations such as Associations who we will involve through our planned outreach efforts described under outreach section above (2-b).

d. What are the specific staffing resources the State requires to effectively implement the consultation process with the First Responder Network Authority (FirstNet) and perform the requirements of SLIGP? If the application requests funding for additional staffing, provide the amount the State expects to request and describe the positions these funds will support.

The SLIGP program in Arizona will leverage the existing governance structure in place in Arizona (*FFO II-B-1*). The PSIC Office has already begun to use our existing governance and procedural methodologies by establishing a standing AZPSBN Workgroup and will expand this group as needed.

Arizona Supplemental Application Narrative

The program foresees the following additional full-time contract roles in support of the SLIGP effort:

- AZPSBN Program Manager.
- AZPSBN Project Manager.
- AZPSBN Program Support Assistant.

In addition, the program will hire full-time contractors to provide:

- Education and Outreach Support.
- Data Collection and Coverage Support.

There will be an intermittent need for vendors with specialized skill sets for consultation and support as we progress through various stages of the program. The PSIC Office has forecasted these resources at quarter-time throughout the 3 year period of performance, though some may work full-time for shorter time periods.

- Regulatory/Policy Liaison (EPA, SHPO, Tribal Preservation, MOU, Permitting).
- Subject Matter Expert (SME) for establishing data collection, coverage and site evaluation protocols once they are defined by FirstNet.
- GIS SME for planning, tracking and status of Education & Outreach and also for Data Collection once the details are defined by FirstNet.

This team will be responsible for developing the procedures required for identifying and engaging local and Tribal participation and involvement (*FFO II-B-2*). Once the participants have been identified, the team will need to develop the detailed design for the Education and Outreach Program. Some of the details are outlined in our responses to questions 11 (Education & Outreach), 12 (MOA) and 14 (Data Collection) (*FFO II-B-3, 4, 5 and 6*). Currently, the SWIC/PSIC Office plans to keep the high level, strategic orientation of the SCIP and will be developing a separate detailed program plan to address the SLIGP activities that will be referenced in the SCIP. A similarly detailed plan for FirstNet Consultation will also be developed during the Build and Implementation phases (*FFO II-B-7*).

e. How is the State engaging private industry and secondary users (e.g., utilities)?

The PSIC Office currently engages non-governmental organizations (NGOs), private industry, and other potential secondary users through our education and outreach efforts and on specific projects advancing our States strategic initiatives. For example, numerous NGOs have signed an MOU with the State to participate in the AIRS system. We have also trained numerous personnel from NGOs at our COML / COMT training classes. Further, twenty-four NGOs participated in events evaluated in 2011 as part of our NECP Goal Two assessments. Also, the PSIC Office is having a continuing dialogue with Arizona utility companies and the Utilities Telecommunications Council (UTC). The PSIC Office also participated on a panel discussion at the UTC Region 10 meeting (with Darryl Ackley of New Mexico) and will continue with such regional discussions going forward.

4. Coordination with Local Government Jurisdictions

a. Describe the local government jurisdictional structure (e.g., municipalities, cities, counties, townships, parishes) located within the boundaries of the State, Commonwealth, Territory, or District applying for a grant. How many of these local jurisdictions exist within the State's boundaries?

Arizona is comprised of 15 counties (Figure 3), 22 federally recognized Tribes, and 142 major cities and towns within each county. Each county has an elected board of supervisors.

Arizona Supplemental Application Narrative



Figure 3: Arizona Counties

Arizona Supplemental Application Narrative

Arizona Cities and Towns within Each County

Apache County	Gila County	Maricopa County (cont.)	Pima County	Santa Cruz County
Alpine	Globe	Mesa	Ajo	Nogales
Eagar	Hayden	Paradise Valley	Arivaca	Patagonia
Greer	Miami	Peoria	Catalina	Rio Rico
Saint Johns	Payson	Phoenix	Green Valley	Sonoita
Springerville	Pine	Queen Creek	Marana	Tubac
	Strawberry	Scottsdale	Oro Valley	
Cochise County	Star Valley	Sun City	Sahuarita	Yavapai County
Benson	Winkelman	Sun City West	South Tucson	Ashfork
Bisbee Bowie	Young	Sun Lakes	Tucson	Bagdad
Douglas	Graham County	Surprise	Pinal County	Black Canyon City
Huachuca City	Pima	Tempe	Apache Junction	Camp Verde
Pearce	Safford	Tolleson	Arizona City	Chino Valley
Sunsites	Thatcher	Tonopah	Casa Grande	Clarkdale
Sierra Vista	Greenlee County	Wickenburg	Coolidge	Cottonwood
Tombstone	Clifton	Youngtown	Eloy	Dewey-Humboldt
Willcox	Duncan	Mohave County	Florence	Jerome Lake
	Morenci	Bullhead City	Kearny	Montezuma
Coconino County	Maricopa County	Chloride	Mammoth	Mayer
Flagstaff	Avondale	Colorado City	Maricopa	McGuireville
Fredonia	Buckeye	Dolan Springs	Oracle	Peeples Valley
Page	Carefree	Kingman	Picacho	Prescott
Sedona	Cave Creek	Lake Havasu City	Picacho Peak	Prescott Valley
Tuba City	Chandler	Oatman	Red Rock	Rimrock
Williams	El Mirage	Navajo County	San Manuel	Sedona (also Coconino Co)
	Fountain Hills	Heber-	Superior	Seligman
La Paz County	Gila Bend	Overgaard		Verde Village
Bouse	Gilbert	Holbrook		Yarnell
Ehrenberg	Glendale	Joseph City		
Parker	Goodyear	Lakeside		Yuma County
Quartzsite	Guadalupe	Overgaard		San Luis
Salome	Litchfield Park	Pinetop-		Somerton
Wenden		Lakeside		Wellton
		Show Low		Yuma
		Snowflake		
		Taylor		
		Winslow		

Additionally, Arizona has one statewide system (DPS) and five regional radio systems; Regional Wireless Cooperative Phoenix-Metro (RWC), Topaz Regional Wireless Cooperative – Phoenix-Metro East (TRWC), Yuma Regional Communications System (YRCS), Pima County Wireless Integrated Network (PCWIN) and the Maricopa County Radio System. There are port districts for 9 ports of entry along the Mexican border as well as primary and secondary regional public safety answering points (PSAPs) and State, local and Tribal organizations.

Arizona Supplemental Application Narrative

b. Describe how your State will involve these local jurisdictions to ensure there is adequate representation of their interests in the FirstNet consultation and in the planning and governance for SLIGP.

In addition to the pre-grant outreach efforts (described in 2-b above), the plan is to hold 15 county level meetings to introduce the concepts and goals of the NPSBN and the SLIGP process. Following the county level "Kickoff" meetings there will be additional localized meetings:

The program has categorized our 15 counties by population density as either greater than or equal to 70 people per square mile, greater than 10 but less than 70 per square mile and less than or equal to 10 people per square mile - simply named Urban, Rural and Sparse. Specifically, the counties of Maricopa, Pima and Pinal are considered Urban, while Santa Cruz, Yuma, Yavapai, Cochise, Mohave, Gila and Navajo are considered Rural and finally Graham, Coconino, Apache, Greenlee and La Paz are considered Sparse. The plan is to conduct an average of 11 local meetings in each of the 3 Urban counties, 5 local meetings in each of the 7 Rural counties and 2 local meetings in each of the 5 Sparse counties.

In addition, the goal is to conduct at least one meeting per recognized Tribal entity for a total of up to 22 meetings. Additionally, the program plan is to hold meetings with private ambulance companies, associations, and other regional, county and local governance organizations such as Councils of Government (COGs), Regional Education Centers, etc.

During these meetings the approach will be to work in conjunction with public safety agencies and jurisdictions to validate agency information and to identify a point of contact to work with us on the AZPSBN program. Further, the gathering of initial information such as the number of staff, coverage requirements and critical infrastructure information will be performed.

During the data collection phase, the plan will be to conduct site visits at physical locations for agencies including all sub-stations for that agency. The goal will be to review any information about the locations such as number of staff, existing WAN/LAN and tower infrastructure, etc. (subject to FirstNet data gathering requirements).

c. Describe past methods the State has used to successfully coordinate state-wide projects or activities with local government jurisdictions.

In 2011, the PSIC Office worked with Arizona's 13 non-Urban Areas Security Initiative (UASI) counties to assess their ability to demonstrate response-level emergency communications during a planned event such as a rodeo, car show, etc. Observed events included participation from 116 State and local public safety agencies and Non-Governmental Organizations (NGOs), 12 Tribal agencies and six federal agencies. Our events modeled those performed under NECP Goal One standards by Federal DHS of UASI counties and were run with fully coordinated assessment teams (consisting of PSIC staff and communications specialists from around the State).

The coordination with each county was done through the County Emergency Manager and involved selecting an event and working with participating agencies to develop the event National Incident Management System - Incident Command System (NIMS-ICS) Incident Action Plan (IAP) documentation and logistics plan. The evaluators travel, lodging and After Action Evaluations were managed by the PSIC Office. Each county received a detailed After Action Report (AAR) documenting the results of their observation and specific recommendations for improvement. Our program was considered a national best practice model that was showcased at national conferences.

The findings in Arizona's NECP Goal Two After Action Reports have enabled counties and the PSIC Office to better target policy, planning, and support services to address gaps identified during the NECP Goal Two observations and were documented in the:

- [NECP Goal Two Results - Statewide Summary](#)

Arizona Supplemental Application Narrative

- [Arizona Compendium of Findings and Recommendations from National Emergency Communications Plan \(NECP\) Goal 2](#)

One of the main after action goals in the NECP Goal Two Gap Closure Action Plans was to assist each county or region with the development of a Tactical Interoperable Communications Plan (TICP) – another example of a statewide initiative managed by the PSIC Office. The TICP is a “master communications document” that describes the current communications capabilities of a regional area. The TICP serves as a critical resource for communications personnel during an incident to enable interoperability among disparate agencies in a region. By implementing this national standard, counties are in a position for responders from outside their county and outside Arizona to assist with critical emergencies.

To date, the PSIC Office has facilitated the development or update of TICPs (in partnership with State, Tribal, and local stakeholders) (7 of 15 county TICPs completed) and will continue to do so (scheduled completion of all 15 county TICPs by early 2014). The information collected and the local contacts made through TICP development efforts will be leveraged for the AZPSBN efforts. Furthermore, TICP information is being loaded into CASM and therefore the data in CASM about agencies and communication assets is relatively up to date and will be leveraged for expanded data collection efforts for the AZPSBN.

The PSIC Office's methods to implement statewide initiatives have included:

- Leveraging local contacts from past statewide efforts.
- Selecting a single, local point of contact for logistics and administration.
- Convening a small group of champions over conference calls to define the effort.
- Conduct a kick-off meeting promoted to our statewide interested parties list by us and by local champions.
- Spending time at the kick-off meeting strategizing regarding others who need to be involved.
- Requesting support in reaching out to missing constituents.
- Developing project plans.
- Noticing meetings well in advance and sending out reminders.
- De-conflicting calendars with key stakeholders to avoid constituent conflicts.
- Capturing names and contact information from all meeting attendees.
- Consistent follow-up with participants on progress.
- Documenting and distributing meeting notes.
- Setting and meeting goals.
- Acknowledging local efforts and champions (local and statewide).
- Performing after-action or lessons learned analysis as projects are completed.

Furthermore, the State CIO Office, in which the SWIC Office operates, is responsible for statewide initiatives with a variety of constituencies with a proven track record of successful statewide implementations:

- 9-1-1 Program – constituents: public safety agencies and PSAPs statewide.
- Health Information Exchange Program – constituents: medical practitioners, hospitals, pharmacies and other health care organizations statewide.
- Digital Arizona program – constituents: rural communities statewide, with emphasis on stakeholders in education, health care, public safety.

Each successful program involves strategies in the following areas: Governance, PSPs; Documentation / Templates; Outreach and Communications.

The State CIO Office, in which the SWIC operates, manages the Enterprise Project and Program Management Office (EPMO) and the Project Management Center for Excellence which implements and documents successful program and project management. The EPMO is creating a guide to successful

Arizona Supplemental Application Narrative

statewide, stakeholder driven programs utilizing the PSIC Office program and others noted above to compare and contrast best practice methods.

d. What have been some of the State's primary challenges when engaging with local jurisdictions? What are some of the strategies that the State will employ to overcome these challenges during implementation of SLIGP?

One of the challenges the PSIC Office has faced when engaging local jurisdictions in statewide initiatives is that some jurisdictions have been non-responsive due to severe budget cuts and staffing shortfalls. The PSIC Office has found some success with these jurisdictions to date through extensive outreach within local communities. Rather than expecting members of the community to travel long distances, the PSIC Office team will travel to the jurisdictions to engage with locals in their home territory.

The PSIC Office plans to conduct extensive statewide outreach in SLIGP Phase 1 and use past efforts to inform our approach in each community. To encourage participation from all local jurisdictions we will leverage local stakeholder champions such as County Emergency Managers, peer agencies, the Councils of Government, statewide Associations and one on one contacts to help agencies to understand the importance of focusing on this effort due to the potential long-term benefits for their communities

Also, in SLIGP Phase 2, the plan will be to place data collection staff in Northern, Southern and Central Arizona to facilitate interactions and data collection on an on-going basis. In other words, if Tuesday mornings are best time for data collection with Agency A and Thursday afternoon is best time for Agency B, by having local data collection staff, we can accommodate requests of local jurisdictions due to the limited availability of local stakeholder resources.

5. Regional Coordination

a. Does your State have intrastate regional committees that are involved with public safety communications? If so, please describe their organizational structure and membership and how they provide input to the SIGB.

Homeland Security Regional Committees

Pursuant to §41-4258 of the Arizona Revised Statutes, the Homeland Security Regional Advisory Councils (RACs) are tasked with developing, implementing, and maintaining regional homeland security initiatives in each of five Homeland Security Regions. The regions, grouped politically around county lines, represent Arizona's geographical divisions for planning and coordination purposes as shown in Figure 4. The RAC process includes Tribal participation. RACs collaborate with other councils and organizations to ensure the successful integration of homeland security programs and initiatives, including communications initiatives.

Each Homeland Security RAC is composed of:

1. A fire service representative from an urban or suburban area within the region
2. A fire service representative from a rural area in the region
3. A police chief
4. A county sheriff
5. A Tribal representative
6. An emergency manager
7. A mayor
8. A county supervisor
9. A representative from DPS
10. A public health representative

Arizona Supplemental Application Narrative

11. Four at-large positions

The SWIC serves on the Interoperability Working Group (IWG) that makes recommendations regarding communications interoperability initiatives to the RACs. The RACs then make recommendations to the AZDOHS on the allocation of Homeland Security grant monies to eligible entities. The SWIC also serves on the Homeland Security Senior Advisory Council (SAC). This Council reviews all proposed Homeland Security Grant projects and provides comments to the Director of AZDOHS.

The SWIC makes regular presentations to the RACs on key communication interoperability initiatives. Also, AZDOHS sends all communication interoperability updates issued by the PSIC Office to the RACs and other stakeholders. In addition, AZDOHS presents bi-annually to the PSCC regarding Homeland Security issues.



Figure 4: Arizona Homeland Security Regions

Regional Communication System Committees

The State has several regional systems each of which has a regional governance committee including the following:

- Regional Wireless Cooperative Phoenix-Metro (RWC).
- Topaz Regional Wireless Cooperative – Phoenix-Metro East (TRWC).
- Yuma Regional Communications System (YRCS).
- Pima County Wireless Integrated Network (PCWIN).
- Maricopa County Radio System.

The PSIC Office regularly invites leadership from Arizona's regional systems to present to the PSCC regarding progress and plans for their regional systems. Active members of these regional systems also participate in SIGB Workgroups, including the AZPSBN Workgroup. As stated above (4-b) the intent is to conduct outreach presentations to these regional systems in SLIGP Phase I and to work with these systems on data collection in SLIGP Phase 2.

Arizona Supplemental Application Narrative

b. Describe any interstate regional bodies in which your State participates that are involved with public safety communications in the State.

- RECCWG
The Regional Emergency Communications Coordination Working Groups (RECCWGs), as mandated by Congress in the Department of Homeland Security (DHS) Appropriations Act of 2007, are planning and coordinating bodies responsible for providing a forum to assess and address the survivability, sustainability, operability, and interoperability of emergency communications systems at all government levels. Arizona participates regularly in the FEMA Region IX RECCWG. The RECCWGs provide a vision into regional preparedness efforts by serving as a mechanism for State, local and Tribal agencies to help FEMA and other Federal agencies define and integrate emergency communications support during an incident.
- SWBCWG
The Southwest Border Communications Working Group is focused on communications issues unique to the States along the border with Mexico. The PSIC Office attends SWBCWG meeting regularly.
- Region 6 +
Region 6 + includes the FEMA Region VI States of AR, LA, OK, NM and TX plus the States of AZ and OR. The group has met in person when possible to discuss NPSBN related topics and has been most recently working on targeted topics related to the SLIGP response.
- WESTNET
WestNet is a group of States (AZ, ID, MT, ND, NE, NM, NV, SD, UT and WY) formed to focus on the NPSBN issues which impact Western States in particular huge expanses of rural territory and large areas underserved or unserved by wireless infrastructure.
- OAC/EBAC (national)
The PSIC Office through the waiver received by Mesa TOPAZ (TRWC), has been a regular attendee and contributor to many resolutions which were developed by OAC/EBAC.
- NCSWIC (national); RIC (regional)
NCSWIC was established to assist state and territory interoperability coordinators with promoting the critical importance of interoperable communications and the sharing of best practices to ensure the highest level of interoperable communications across the nation. NCSWIC members are Statewide Interoperability Coordinators (SWICs) from the 56 States and territories. The National Council of Statewide Interoperability Coordinators holds bi-annual meetings which are regularly attended by Arizona's SWIC and/or Deputy SWIC. Also, Arizona's SWIC is a member of the NCSWIC Executive Committee representing FEMA Region IX and is chair of the Region IX Regional Interoperable Committee (RIC) for Region IX.

c. How does the State plan to engage and leverage these existing regional coordination efforts in the nationwide public safety broadband network planning?

The PSIC Office has already started engaging these existing regional coordination efforts in NPSBN planning through presentations on AZPSBN plans and approach to the SLIGP process at the Homeland Security RACs and the SWBCWG first quarterly meeting for 2013. At the first quarter 2013 SWBCWG

Arizona Supplemental Application Narrative

meeting, the Arizona PSIC Office designed a panel discussion with AZ, CA, NM and TX NPSBN Points of Contact on issues unique to border communities as they relate to the NPSBN.

The PSIC Office will continue to leverage our relationships with all of these groups listed in 5b in NPSBN planning through in-person regional meetings when conducted, regular conference call and email updates and requests for input from these groups. Anticipated activities will include brainstorming, having discussions about SLIGP activities, sharing approaches and discussing targeted topics directly related to SLIGP. Many of these collaboration activities will occur without the use of SLIGP funds. However, as identified in our budget narrative and detailed budget spreadsheet, we have budgeted travel for purposes of attending regional meetings that directly pertain to SLIGP. Further, we anticipate minimal costs for conference calls that may be necessary to improve collaboration among regional stakeholders engaged in SLIGP activities. Those costs are taken into consideration as part of the Supplies category.

d. Please identify, if applicable, any other state, territory, or regional entity with which the State collaborated or coordinated in the development and preparation of this application and describe the nature of that collaboration or coordination.

Arizona's primary points of collaboration on an interstate level were with OAC/EBAC, SWBCWG, Region 6 + and WestNet (5-b). The collaboration has included brainstorming, having discussions about interpretation, sharing planning approaches and discussing targeted topics.

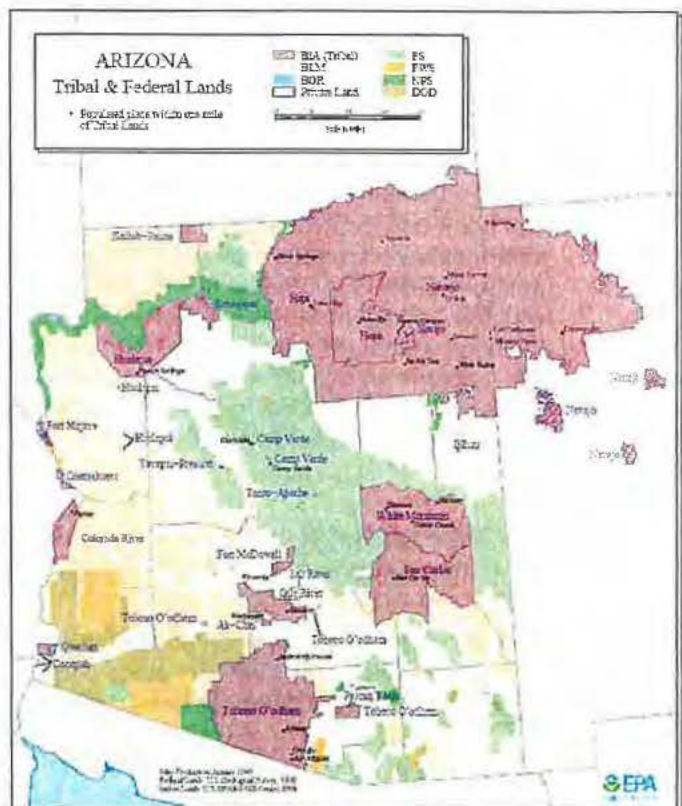
6. Tribal Nations

a. How many federally recognized tribes are located within the State boundaries? (If the answer is zero, please skip to question #7.) Information on federally recognized tribes may be located at the Department of Interior, Bureau of Indian Affairs website:

<http://www.bia.gov/WhoWeAre/BIA/OIS/TribalGovernmentServices/TribalDirectory/index.htm>

Arizona has 22 federally recognized Native American Tribes as follows:

1. Ak-Chin Indian Community
2. Cocopah Tribe
3. Colorado River Indian Tribes
4. Fort McDowell Yavapai Nation
5. Fort Mojave Tribe
6. Fort Yuma-Quechan Tribe
7. Gila River Indian Community
8. Havasupai Tribe
9. The Hopi Tribe
10. Hualapai Tribe
11. Kaibab-Paiute Tribe
12. Navajo Nation
13. Pascua Yaqui Tribe
14. Pueblo of Zuni
15. Salt River Pima-Maricopa Indian Community
16. San Carlos Apache Tribe
17. San Juan Southern Paiute
18. Tohono O'odham Nation
19. Tonto Apache Tribe
20. White Mountain Apache
21. Yavapai-Apache Nation
22. Yavapai-Prescott Indian Tribe



Arizona Supplemental Application Narrative

Figure 5: Arizona Federal and Tribal Lands

Point of Contact information and land holdings for each Tribal entity are located in Arizona's SCIP.

b. Describe how the State will involve the tribal nations to ensure there is adequate representation of their interests in the FirstNet consultation and in the planning/governance for the grant program. Does the State have a process for consulting with the tribes located within State boundaries? If so, please provide a description of that process.

As described in more detail in 4-b above, Tribal nation contacts will be invited to participate in all Outreach and Education meetings. In addition, the goal is to conduct at least one meeting per recognized Tribal entity for a total of up to 22 meetings. During these meetings the PSIC Office will work in conjunction with Tribal public safety agencies and jurisdictions to validate agency information and to identify a point of contact to work with us on the AZPSBN program.

During the data collection phase, the PSIC Office will conduct site visits at physical locations for Tribal public safety agencies including all sub-stations for that agency. Our goal will be to review information about the locations such as number of staff, existing WAN/LAN and tower infrastructure, etc. (subject to FirstNet data gathering requirements).

c. Describe past methods the State has used to successfully coordinate with tribal nations.

The past methods the State has used to successfully coordinate with tribal nations on communications related initiatives are:

- Havasupai – After severe Colorado River flooding in 2010, DPS worked with ADEM to install a portable AIRS repeater to facilitate multi-agency interoperable communications for the Havasupai tribe. The PSIC Office was involved in this coordination as well.
- Colorado River Indian Tribe (CRIT) – The CRIT was supported by the PSIC Office and AZDOHS in researching communication system options and applying for Tribal homeland security related funding for communication technology. Recently the Tribe was well represented at the TICP development workshops (conducted by the PSIC Office) for La Paz County and has decided to join the Yuma Regional Communications System (YRCS).
- Salt River Pima Maricopa Indian Community (SRPMIC) – The PSIC Office assisted with a discovery RFP for a new LMR system for the SRPMIC. Further, the PSIC Office facilitated meetings with DPS, RWC and TRWC to establish working relationships and facilitate conversations with SRPMIC about the possibility of joining an existing Regional Wireless System.
- Gila River Indian Community (GRIC) – Until recently, a member of the GRIC was an active member of the AZPSBN Workgroup and also served on the Application and User Requirements Workgroup of the Emergency Response Interoperability Council - Public Safety Advisory Committee (ERIC PSAC). [Note: The PSIC Office is actively trying to find a replacement Tribal representative for the AZPSBN Workgroup].
- Cocopah Indian Tribe and Quechan Tribe – These Tribes are both long time participants in the YRCS system, have been part of the Yuma County TICP development (hosted by the PSIC Office) and are regular participants in County and city incidents, events and exercises.

Arizona Supplemental Application Narrative

- Fort McDowell Yavapai Nation – One member of this Tribe has served as acting chair of the 700 MHz RPC committee which coordinates with SIEC and the PSIC Office on frequency coordination. The Nation is also coordinating with the SRPMIC regarding communication planning, with support from the PSIC Office and AZDOHS.
- Members of 12 Tribal public safety agencies participated in Arizona's NECP Goal Two county-level assessments conducted by the PSIC Office (see 4-c. above).
- The Tohono O'odham and Pascua Yaqui plan to join the Pima County regional radio system which is in the final stages of completion.
- The PSIC Office has conducted extensive statewide outreach about the AIRS system. The AIRS MOU with DPS has been executed by 5 Arizona Tribes - Navajo, Gila River, Ft Mohave, SRPMIC and Havasupai.
- Fort Mojave Indian Tribe of Arizona, California & Nevada – In 2011, the Arizona PSIC Office and AZDOHS supported the Fort Mojave Indian Tribe in attaining a Technical Assistance award to evaluate the Tribe's land mobile radio needs. Following the engagement, the PSIC Office supported the Tribe in applying for Tribal homeland security funding for communication technology.

d. Are there tribal representatives who regularly attend your SIGB meetings? If so, please identify the tribes represented.

Our PSCC and SIEC meetings can be accessed remotely through a conference line set up at each meeting where members can listen to the meeting from anywhere in the State. Meetings are also recorded and meeting agendas, notes, presentations and handouts are posted on the PSIC Office website. Interested parties statewide who cannot attend meetings in person due to distance or conflicting commitments can stay current through these means.

In addition, everyone who signs-up for our "interested parties" list gets an email reminder, agenda, links to presentation materials and other periodic updates.

The following Tribes are represented by one or more members of their public safety agencies in our interested parties mailing list.

1. Ak-Chin Indian Community
2. Cocopah Tribe
3. Colorado River Indian Tribes
4. Fort Mojave Tribe
5. Gila River Indian Community
6. The Hopi Tribe
7. Navajo Nation
8. Fort Yuma-Quechan Tribe
9. Salt River Pima-Maricopa Indian Community
10. Cocopah Tribe
11. Tohono O'odham Nation
12. White Mountain Apache

In addition, key updates from the PSCC, SIEC and PSIC Office are forwarded by AZDOHS to the more far reaching homeland security mailing list, which includes even more Tribal representatives.

Arizona Supplemental Application Narrative

e. What have been some of the State's primary challenges when engaging with tribal nations? What are some of the strategies that the State will employ to overcome these challenges during implementation of SLIGP?

As sovereign nations, it is important to respect Tribal Nations' desire or lack thereof to participate in State or federal initiatives of any kind. Trust with Tribal Nations are built one by one and over time as the Tribal leadership feels comfortable with the programs and personnel approaching them on behalf of the State or Federal government. Furthermore, we find that as leadership shifts within a Tribal Nation, relationships need to be re-established and re-built with new leadership.

With NECP Goal Two, DHS managed the Tribal participation and relationships and the States were told not to try to facilitate participation by the Nations. However, Arizona was able, through its broad outreach and strong relationship with local communities, to garner participation by 12 Tribal Nations in the county-level NECP Goal Two event assessments.

The PSIC Office will bolster its Tribal outreach efforts for the SLIGP through broad outreach within all counties as well as through leveraging existing relationships with agencies and associations such as Inter Tribal Council of Arizona, Inc., Arizona Commission of Indian Affairs, Bureau of Indian Affairs, National Native American Law Enforcement Association (NNALEA), Governor's Office Tribal liaison, ADEM's Tribal liaison and AZDOHS' Tribal liaison.

With other programs managed by the State CIO Office (i.e., Arizona 2-1-1), the State has had success engaging and utilizing the program support services of a Tribal member with strong statewide contacts among multiple Tribes as a part-time Tribal Liaison. We will consider such program support services for the SLIGP outreach and data collection efforts should an appropriate Tribal representative be identified.

7. Rural Coverage

a. Please classify your local jurisdictions into rural and non-rural areas and identify the criteria used in making these rural and non-rural determinations.

The PSIC Office has chosen to primarily work with data at the county level due to the amount of descriptive data readily available at that level. Furthermore, much of the regional governance in our State uses the county as a foundational element. The following chart illustrates how we categorized our counties based on average population density per square mile:

Arizona Supplemental Application Narrative

Population per square mile, 2010						
County	People per square mile	Delta with the next one down	Partition based on gaps	Partitions with number of meetings	Counties per partition	Total proposed meetings
Maricopa	415	308	Urban	11	3	33
Pima	107	37				
Pinal	70	32				
Santa Cruz	38	3	Rural	5	7	35
Yuma	36	10				
Yavapai	26	5				
Cochise	21	6				
Mohave	15	4				
Gila	11	1				
Navajo	11	3				
Graham	8	1	Sparse	2	5	10
Coconino	7	1				
Apache	6	2				
Greenlee	5	0				
La Paz	5					
						78

As illustrated, 15 counties have been categorized by population density as either greater than or equal to 70 people per square mile, greater than 10 but less than 70 per square mile and less than or equal to 10 people per square mile - simply named Urban, Rural and Sparse. Specifically, the Counties of Maricopa, Pima and Pinal are considered Urban, while Santa Cruz, Yuma, Yavapai, Cochise, Mohave, Gila and Navajo are considered Rural and finally Graham, Coconino, Apache, Greenlee and La Paz are considered Sparse.

Our SLIGP Outreach and Education Plan is to conduct an average of 11 local meetings in each of the 3 Urban counties, 5 local meetings in each of the 7 Rural counties and 2 local meetings in each of the 5 Sparse counties.

b. Please describe the coverage area and availability of broadband service and LTE technology in the rural areas of the State as defined in response to 7.a.

Using data provided by the Digital Arizona Program, Arizona's State Broadband Initiative Program, "broadband" is defined as a downlink speed of 3 Mbps or higher across all technologies (see Figure 6).

Arizona Supplemental Application Narrative

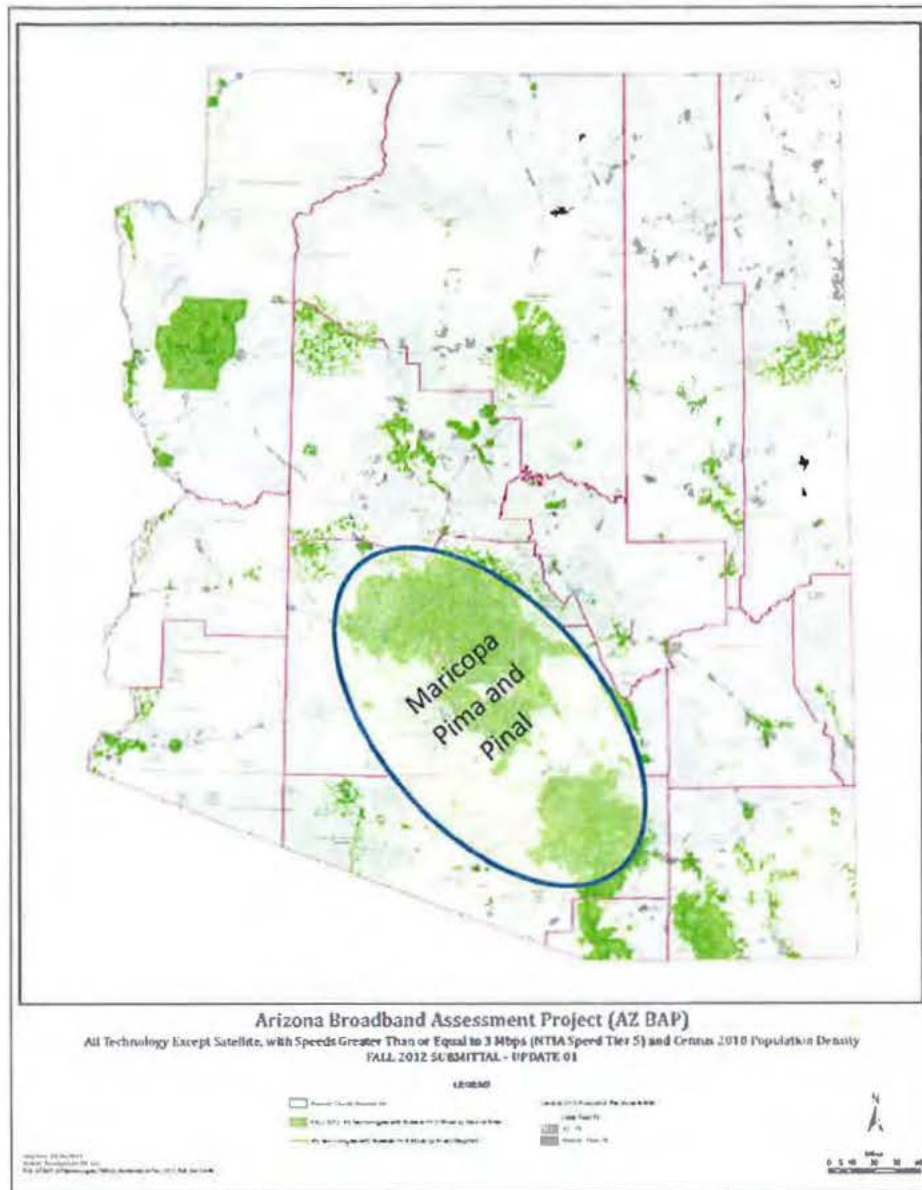


Figure 6: All Technology with Speeds equal or greater than 3 Mbps

Similarly, "LTE" was defined as a downlink speed of 3 Mbps or higher across for Mobile Wireless technologies (see Figure 7).

Arizona Supplemental Application Narrative

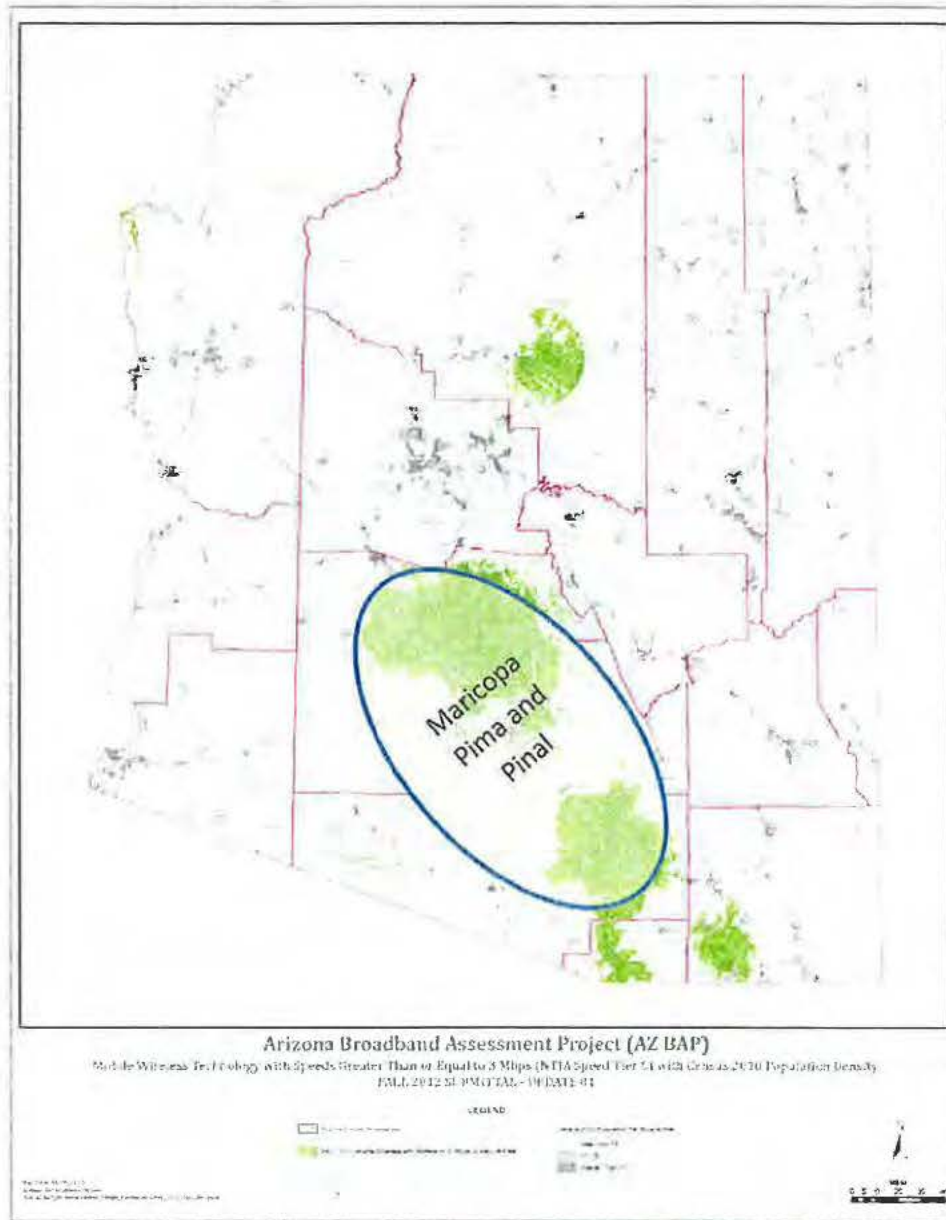


Figure 7: Mobile Wireless Technology with Speeds equal or greater than 3 Mbps

As illustrated in these 2 figures, the only significant Broadband or LTE coverage in our State lies within the 3 counties – Maricopa, Pima and Pinal - which have been classified as Urban.

Broadband or LTE coverage for the Rural and Sparse counties is generally unavailable.

c. Please describe how the State plans to prioritize the grant activities to ensure coverage in, and participation by, rural areas. Please include specific plans, milestones, and metrics to demonstrate how you will achieve these requirements.

We have identified approximately 800 Tribal, State, regional, county and local agencies to be engaged during our grant activities. Our plan is to hold up to 145 meetings at the county, local, Tribal and

Arizona Supplemental Application Narrative

association levels (see 4-b above) over a span of 2 ½ years. This translates to an average of 4.3 meeting per month. Once the SLIGP program is funded, the PSIC Office will produce a detailed schedule and plan whose goal will be to minimize the drive time required for our rural stakeholders and assure as broad coverage statewide as possible.

8. Existing Infrastructure

a. What, if any, databases exist that collect data on government-owned wireless and/or communications infrastructure for the state, local, and/or tribal governments?

The PSIC Office uses the Communication Assets Survey and Mapping (CASM) Tool sponsored by the DHS Office of Emergency Communications (OEC) to collect State, local and Tribal government information regarding wireless and communications infrastructure.

Furthermore, utilizing Broadband Technology Opportunities Program (BTOP) funding, Arizona's Digital Arizona Program created an Arizona Broadband Map and coverage/stakeholder related data. It will be a great asset to be able to leverage appropriate information captured in this Map for our SLIGP efforts.

Finally, the PSIC Office will be utilizing data regarding location, infrastructure, coverage areas and geospatial information from within ESRI GIS systems, including public safety community anchor institutions, maintained by the State Cartographer within our State Land Department.

b. If these databases exist, what is the process for updating them and how often do these updates occur?

Initial loading of significant amounts of CASM data was advanced in preparation for NECP Goal Two assessment events. As part of the after-action from these assessments, TICPs are being developed or updated for each county to include infrastructure information relevant to interoperability for all public safety agencies within those counties.

Once the TICPs are developed, the data from the TICP is loaded into CASM. Then updates to CASM data occur when updates are made to the county TICPs. These updates are recommended at least annually, but can occur more often. Arizona is planning to enhance the data in CASM (in alignment with data collection requirements of the SLIGP) during SLIGP Phase 2.

The Arizona Broadband Map and related data is updated at least annually.

The Geospatial data maintained by the State Cartographer is updated frequently based on receipt of updated information from a number of State, local and Tribal data sources.

9. Existing Government-Owned Networks

a. Describe how you plan to identify any hardening, security, reliability, or resiliency requirements that are currently required for existing government-owned networks within the State, including those networks at the local and tribal governments.

The PSIC Office will establish a validated inventory of existing government-owned network assets once the specific data collection details are defined by FirstNet and through working with FirstNet/NTIA develop national consistent reporting mechanisms. Once we have a solid inventory of network assets, then as part of the data collection phase of the SLIGP grant, we can gather information regarding hardening, security, reliability, or resiliency requirements required of these assets.

Arizona Supplemental Application Narrative

Also, as we establish appropriate MOU/IGA templates for possible use by Arizona stakeholders with FirstNet or the State and FirstNet, we will also explore these types of requirements for inclusion in those templates.

b. Describe how you plan to identify any existing contractual requirements regarding hardening, security, reliability, or resiliency for commercial carriers providing wireless data services within the State, including those at the local and tribal governments.

As part of the process described above (9-a), the PSIC Office will identify any existing contractual requirements regarding hardening, security, reliability, or resiliency for commercial carriers providing data services within the State.

10. Network Users

a. Describe how you plan to identify the potential users of the nationwide public safety broadband network within the State, including at the local and tribal governments.

As part of the SLIGP education and outreach program we will be determining the number of public safety, public service and support personnel serving each agency within local and Tribal governments. Furthermore, subject to the extent of information required to be collected, we will validate potential user information with other sources such as association data, certification records (Arizona Peace Officer Standards and Training Board, etc.), licensing records, public safety data networks (Arizona Criminal Justice Information System, etc.), and other sources.

11. Education and Outreach

a. Describe how you plan to educate and train multi-discipline, public safety and other government users of the nationwide public safety broadband network at your State, local, and tribal levels.

Our Education and Training Plan for multi-discipline, public safety and other government users of the national public safety broadband network at the State, local and Tribal levels will consist of the following component parts:

- Development of an Education and Training Plan, similar to the Education and Outreach Plan developed for the Public Safety Interoperable Communications Program (see [Arizona Statewide Education and Outreach Plan Regarding Public Safety Communications Interoperability 2012](#)).
- Development of accompanying training materials and promotional brochures and development of standard PowerPoint presentations for different audiences and with different levels of detail.
- Enhancement of our web presence (see [AZPSIC Broadband Web Site](#)) to promote and advertise the Education and Outreach meeting schedule and provide background materials. In addition, we plan to showcase 4G LTE equipment and applications as they are developed. Finally, the web will report progress both nationally and in the State of Arizona.
- Conduct Education and Outreach meetings to focus on the following items:
 - Background – Legislation and Long Term.
 - SLIGP – Goals and Activities.
 - Governance – National, State, Regional and Local.
 - Why this is of benefit to Arizona?
 - Examples and Demonstrations.
 - Introduce the survey from OEC Broadband Technical Assistance.
 - Set Expectations on Timing.

Arizona Supplemental Application Narrative

- Preview data collection requirements (i.e., agency validation, coverage, possible participant pool, etc.).
- Preview possible funding and business model options.
- Next Steps.
- Questions and Answers.

In terms of our Education and Outreach schedule, the PSIC Office will work with the County Emergency Managers to schedule a half-day event in each County as a kickoff meeting. Tribal partners within these counties will also be invited.

These 15 county level meetings will be followed by local meetings. We have categorized our counties as Urban, Rural or Sparse (4-b) with varying numbers of meetings required. Additional meetings will be held for each of Arizona's Tribal nations when agreeable to the Tribes. We will also engage and meet with State or regional associations who represent public safety or public service personnel. This will improve our coverage and possible participation.

At appropriate meetings the PSIC Office will display local public safety information on large scale visual maps and ask participants to validate the following:

- Is the information accurate? Has any agency been closed or merged into another agency? Did we miss any agencies?
- Who would be the appropriate Point of Contact for each agency (including name, email, and phone)?
- How many staff (paid and volunteer) are part of each agency?
- What would be the next logical grouping for local meetings (upper river valley & lower river valley, NW & SE, etc.)?
- What are the critical infrastructure/points of interest for the locale? (i.e., border fence, lakes, nuclear power plant, etc.)?

12. Memorandum of Agreements

a. Describe any specific obstacles, laws, and/or legal issues that will likely impede your ability to participate fully in the nationwide public safety broadband network or in SLIGP.

The PSIC Office has not performed the analysis yet to determine specific obstacles, laws and /or legal issues that may impede our ability to fully participate in the nationwide PSBN or the SLIGP. Further, until the FirstNet business model is more fully developed, we do not have enough information to perform such an analysis.

Possible Obstacles – Arizona Specific

- Land Use rules in Arizona are very strong with a number of concerns that can come into play for any new site locations.
- Many small cities and even counties in Arizona are in financially difficult positions requiring reductions in public safety staff. Therefore paying for any data service would have to have a strong positive ROI and clearly demonstrate increased efficiencies.
- Many existing State and local Arizona communication sites are not on publicly owned land.
- U.S. Forestry Service (USFS) and BLM sites (especially new sites) require long-lead times to satisfy permitting and NEPA considerations.
- 25% of land mass in Arizona is on Tribal land, requiring negotiation with the sovereign Tribal Nations to gain access to and usage of the land.
- Placing infrastructure on land in the border region can require additional cross-border coordination to avoid interfering with other border priorities.

Possible Obstacles – Other:

- Agencies may not have the ability to sublease to FirstNet or Public/Private Partnerships.

Arizona Supplemental Application Narrative

- Agencies that are leasing from other public safety entities (e.g. State leasing from the county through the sheriff) have generally established cooperative leases with rates for public safety use which may be far lower than commercial lease rates.
- If excess bandwidth on the system is allowed to be used for "for profit activities", that could lead to potential legal issues.
- Agencies granting access to existing State or local sites will expect some compensation or consideration from FirstNet or their Public/Private Partnerships.
- Who will pay for infrastructure upgrades, including permits, National Environmental Policy Act (NEPA), State Historical Preservation, Tribal preservation, and permitting costs?
- Some Agencies have existing contracts with data plans with carriers, such that moving to the FirstNet system would require waiting for contracts to expire or being subject to penalties.
- The sheer volume of required NEPA related activity could be problematic.
- It can take significant time and funds to complete documentation required for FCC, NEPA, SHPO and Tribal Preservation on older existing and new sites.

13. Tools

a. What are some of the software tools that the State has used and could apply to the planning and data collection activities associated with this program?

The PSIC Office uses the standard set of Microsoft Office tools (i.e., Word, Excel, PowerPoint, Visio) and collaboration tools (i.e., SharePoint) to manage day-to-day planning and tracking. In addition, the PSIC Office will utilize Project Management software, contact management systems, web conferencing tools, and other tools as needed.

The PSIC Office will use Google Earth Pro to optimize meeting locations, track progress by color coding agencies that have engaged with a POC, filled in the survey and provided infrastructure information.

The PSIC Office uses DHS' CASM Tool to collect State, local and Tribal government information regarding wireless and communications infrastructure. Additional tools and data sources that could be useful include the Homeland Security Information Network (HSIN), NIMSCAST, and WEBEOC.

b. Is the State aware of additional tools that could be useful for implementing allowable grant activities?

One tool which could be useful for implementing allowable grant activities will be Mobile Pulse or another equivalent tool. This tool will allow gathering of public safety specific "as is" data on existing commercial networks and provide real-time, location-specific up and down speeds by provider across the State. Further, as build out occurs, jurisdictions will be able to use these tools to confirm the predicated coverage area and capacity provided by FirstNet.

FirstNet could also benefit from use of these tools by having a reliable metric for troubleshooting problem areas to enable expedient resolution of design and equipment problems and faster root cause analysis. Finally, FirstNet would be able to use tools such as this to validate the Service Level Agreements (SLAs) established with commercial providers while roaming their networks.

14. Phase Two Funding

a. Describe the activities that you expect to undertake with the Phase 2 funding when it is made available to the State, Territory, or District.

SLIGP Phase 2 Data collection will include the following (subject to FirstNet data gathering requirements).

Arizona Supplemental Application Narrative

- Data collection defined by FirstNet/NTIA.
- Data collection driven by our State's needs for coverage requirements.
- Data collection related to possible infrastructure sharing dependent on rate discount or public/private partnerships.

For SLIGP Phase 2 data collection we will leverage local contacts from SLIGP Phase 1. During the data collection phase, the plan will be to conduct site visits at physical locations for agencies including all sub-stations for that agency. Our goal will be to review any information about the locations such as number of staff, existing WAN/LAN and tower infrastructure, etc. (subject to FirstNet data gathering requirements).

Furthermore, Arizona has experience with creation of cross-agency agreement templates used to set-up partnerships and infrastructure sharing among public safety agencies. We plan to leverage those models to include the private, quasi-governmental (utilities) and the public sector for communications infrastructure or site sharing for FirstNet use.

15. Other

a. Please list any consultants, vendors, or other entity that assisted in the preparation of this application.

None

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is OMB No. 0660-0038, expiring 7/31/2013. Public reporting burden for this collection of information is estimated to average 10 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Michael E. Dame, Director, State and Local Implementation Grant Program, Office of Public Safety Communications, National Telecommunications and Information Administration, U.S. Department of Commerce (DOC), 1401 Constitution Avenue, N.W., HCHB, Room 7324, Washington, D.C. 20230.

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee- 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.
19. Will comply with the requirements of Section 106(g) of the Trafficking Victims Protection Act (TVPA) of 2000, as amended (22 U.S.C. 7104) which prohibits grant award recipients or a sub-recipient from (1) Engaging in severe forms of trafficking in persons during the period of time that the award is in effect (2) Procuring a commercial sex act during the period of time that the award is in effect or (3) Using forced labor in the performance of the award or subawards under the award.

<p>* SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL</p> <p>Justin Turner</p>	<p>* TITLE</p> <p>Deputy SWIC</p>
<p>* APPLICANT ORGANIZATION</p> <p>Arizona Department of Administration - ASET PSIC Office</p>	<p>* DATE SUBMITTED</p> <p>03/19/2013</p>

Standard Form 424B (Rev. 7-97) Back

Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, 'New Restrictions on Lobbying.' The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Commerce determines to award the covered transaction, grant, or cooperative agreement.

LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, 'Disclosure Form to Report Lobbying,' in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

In any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, 'Disclosure Form to Report Lobbying,' in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

* NAME OF APPLICANT

Arizona Department of Administration - ASET PSIC Office

* AWARD NUMBER

* PROJECT NAME

Arizona Public Safety Broadband Network (AZPSBN)

Prefix:	* First Name:	Middle Name:
Mr.	Justin	

* Last Name:	Suffix:
Turner	

* Title: Deputy SWIC

* SIGNATURE: Justin Turner

* DATE: 03/19/2013



STATE OF ARIZONA

JANICE K. BREWER
GOVERNOR

EXECUTIVE OFFICE

March 15, 2013

Larry Strickland, Assistant Secretary for Communications and Information
National Telecommunications and Information Administration
1401 Constitution Avenue, N. W.
Washington, DC 20230

RE: Letter of State Designation - Coordinator of Implementation of the SLIGP Grant Funds

Dear Mr. Strickland:

The Middle Class Tax Relief and Job Creation Act of 2012 (Act) requires each State to certify in its State and Local Implementation Grant Program (SLIGP) application for grant funds that the State has designated a single officer or governmental body to serve as the coordinator of implementation of the SLIGP grant funds.

As Governor of the State of Arizona, I do hereby designate Aaron Sandeen, the current State Chief Information Officer within the Arizona Department of Administration – Arizona Strategic Enterprise Technology (ADOA-ASET) as the state designated officer for SLIGP. Mr. Sandeen will be responsible to receive funds and meet all requirements in the Federal Funding Opportunity (FFO#: 2013-NTIA-SLIGP-01), and responsible for consulting with NTIA and the First Responder Network Authority (FirstNet) about the matters listed in the Act.

Sincerely,

Janice K. Brewer
Governor