

Application for Federal Assistance SF-424

Version 02

\* 1. Type of Submission:

- Preapplication
- Application
- Changed/Corrected Application

\* 2. Type of Application:

- New
- Continuation
- Revision

\* If Revision, select appropriate letter(s):

\* Other (Specify)

\* 3. Date Received:

Completed by Grants.gov upon submission.

4. Applicant Identifier:

OHIO SIEC

5a. Federal Entity Identifier:

\* 5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

\* a. Legal Name:

State of Ohio, Department of Administrative Services, OIT

\* b. Employer/Taxpayer Identification Number (EIN/TIN):

31-1334820

\* c. Organizational DUNS:

144267320

d. Address:

\* Street1:

30 E. Broad St.

Street2:

39th fl

\* City:

Columbus

County:

Franklin

\* State:

OH: Ohio

Province:

\* Country:

USA: UNITED STATES

\* Zip / Postal Code:

43215

e. Organizational Unit:

Department Name:

Ohio Dept. of Admin. Svcs.

Division Name:

Office of Information Tech.

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

Prefix:

\* First Name:

Darryl

Middle Name:

\* Last Name:

Anderson

Suffix:

Title: SIEC Administrator, Program Manager

Organizational Affiliation:

SIEC Administrator

\* Telephone Number:

614-466-2257

Fax Number:

614-995-0067

\* Email:

darryl.anderson@ohio.gov

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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="3,638,690.00"/>
* b. Applicant	<input type="text" value="909,673.00"/>
* c. State	<input type="text"/>
* d. Local	<input type="text"/>
* e. Other	<input type="text"/>
* f. Program Income	<input type="text"/>
* g. TOTAL	<input type="text" value="4,548,363.00"/>

\* 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:

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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.):

State of Ohio

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

Ohio Plan - Nationwide Public Safety Broadband Planning, Consulting and Development Activities

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

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**\* 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.

[Empty text input area for Applicant Federal Debt Delinquency Explanation]



## State and Local Implementation Grant Program (SLIGP) Supplemental Narrative Questions

### 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.*

The Ohio Statewide Interoperability Executive Committee (SIEC) is created by way of Governor's executive order. Executive order 2012-07K creates the SIEC and outlines its responsibilities to include:

- Addressing concerns relating to operability and interoperability of local, regional, and statewide public safety voice and data communications systems;
- Planning for the long-term efficient implementation and operation of interconnected public safety voice and data communications systems;
- Work to improve overall public safety communications interoperability in Ohio;
- Develop policy recommendations related to comprehensive public safety communications systems, processes and operations throughout the state;
- Create and implement comprehensive strategies to develop, sustain and improve public safety communications technologies at the local, regional, and statewide levels;
- Coordinate the implementation of such comprehensive state strategies with state, regional and local government partners, first responders, non-government organizations, the private sector, and experts within academia and research communities;
- Be responsible for the coordination and implementation of national communications plans and policies at the state level;
- Be the single point of contact with federal communications entities for the State of Ohio;
- Evaluate the feasibility and effectiveness of implementing and funding specific priorities of state, regional and local communications efforts in coordination with national communications priorities and funding initiatives; and
- Review and evaluate existing and emerging issues that relate to statewide, regional, and local public safety communications matters.<sup>1</sup>

(See attached Executive Order 2012-07K)

The Statewide Interoperability Executive Committee (SIEC) is at the center of Ohio's interoperable communications governance structure. Reporting to the SIEC are subcommittees and workgroups.

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<sup>1</sup> See attached Executive Order 2012-07K

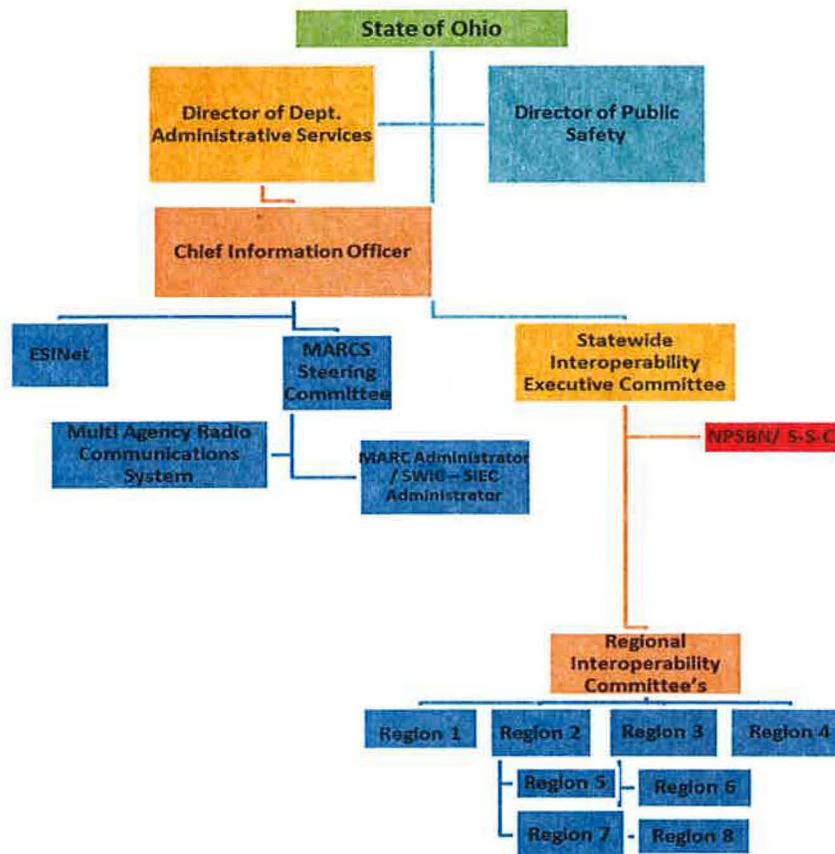


Figure 1: Ohio's Communications Governance Structure

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

Ohio's existing governance body is the SIEC. The SIEC is established by Governor's Executive Order<sup>2</sup> and is authorized, by order of the Governor of the State of Ohio, to make decisions regarding public safety communications and do the following (as stated in "a", above):

- Address all concerns on behalf of the state of Ohio relating to operability and interoperability of local, regional, and statewide data communications systems;
- Plan for the long-term efficient implementation and operation of interconnected public safety data communications systems (Public Safety Broadband);
- Develop policies related to public safety broadband communications systems, processes and operations throughout the state;
- Create and implement comprehensive strategies to develop, sustain and improve public safety broadband technologies at the local, regional, and statewide levels;

<sup>2</sup> See Attached Executive Order 2012-07K

- Coordinate the implementation of state strategies with state, regional and local government partners, first responders, non-government organizations, the private sector, and experts within academia and research communities;
- Be responsible for the coordination and implementation of national public safety broadband communications plans and policies at the state level;
- Be the single point of contact with federal officials for the State of Ohio;
- Evaluate the feasibility and effectiveness of implementing and funding specific public safety wireless priorities for state, regional and local entities in coordination with national public safety broadband priorities and funding initiatives.

*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 SIEC consists of forty individuals representing local, county, regional, and state levels of government, law enforcement, fire and EMS associations, the Ohio National Guard, Hospital Associations, utilities, radio system operators, and representatives from the FEMA Region V Regional Emergency Communications Coordination Working Group (RECCWG). The SIEC consists of the following individuals representing the indicated agencies, organizations, and NGO's:

Ohio Statewide Interoperability Executive Committee Appointments

Ohio Department of Public Safety	Assistant Director Joe Montgomery
Buckeye State Sheriff's Association	Sheriff Mike Simpson
Ohio Office of Information Technology	Darryl Anderson
Ohio Emergency Management Agency	Sima Merrick
Ohio Emergency Medical Services Board	Mel House
Ohio Office of Homeland Security	Tracy Proud
Ohio State Highway Patrol	Kevin Teaford
Ohio Association of Chiefs of Police	Ken Hinckle
Ohio State Fire Marshal	Larry Flowers
Ohio Fire Chiefs Association	Scott Skeldon
Ohio Department of Natural Resources	Dean Bolton
Ohio Department of Rehabilitation and Correction	Ed Banks
Ohio Department of Health	Susan Brumm
Ohio County Commissioners' Association	Bob Glaser

Ohio Township Trustees' Association	Mr. DeTemple, Exec. Director
Emergency Management Association of Ohio	Steve Odenweiller
Ohio National Guard	LTC John A. Zulfer
Ohio APCO	Matt Franke
Ohio BCI&I	Scott Duff
FCC Region 33 Planning Committee	Paul Mayer
Ohio Office of Criminal Justice Services	Jim Luebbers
Ohio Department of Youth Services	David Haynes
Ohio Board of Regents	Rick Amweg
Ohio Hospitals Association	Doug Magilvy
UASI areas:	-----
Cuyahoga County	TBD
Franklin County	Ramona Patts
Lucas County	Mike Koontz
Hamilton County	Rob Wilson
Mid-size city radio system	Chief Tom Lonyo, Findlay
Mid- Size county-wide radio system	Rob Harrington, Jefferson County
Homeland Security Regions	-----
1. – NW Ohio	Sheriff Mike Heldman
2. – NE Ohio lakeshore	Paul Stefanko
3. – West Central Ohio	Greg Stephens
4. – Central Ohio	David Ziegler
5. – NE Ohio	Sharon McMurray
6. – SW Ohio	Paul Kindell
7. – South Central Ohio	Chief Andrew Powers

8. – Eastern Ohio

Sheriff R.J. Myers

Ohio's Electrical Service Providers

Herb Caudwell

The Ohio Municipal League

Greg Berquest

The State will leverage the existing statewide governance structure to govern the grant program. The SIEC and its supporting infrastructure will be called upon to make or endorse any major policy decisions regarding the implementation of the grant program.

According to the Act, the State must establish a single point of contact. That single point of contact for the State is the Statewide Interoperability Coordinator and Administrator of the SIEC, Darryl Anderson.<sup>3</sup>

- 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?*

The SIEC will employ three processes to ensure appropriate representation.

First, the SIEC Bylaws permits it to create any subcommittee or group, temporary or standing, to serve the needs of the SIEC. The SIEC has already created a standing subcommittee for the purpose of addressing PSBN issues.

Second, the SIEC is proposing hiring knowledgeable individuals using SLIGP funds to provide additional guidance and leadership relative to program development and carrying out the initiatives identified in this grant proposal.

Third, the SIEC is proposing hiring a consulting firm with a significant background in PSBN matters and who is knowledgeable of Ohio's current position and desired future position relative to the PSBN.

- 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.*

Yes. The state currently supports SIEC operations. Further, the Executive Order requires “. . .all state departments, agencies, boards, commissions, and officers to cooperate and provide any necessary assistance requested by the SIEC. . .”. Administrative costs for the SIEC are shared between the Ohio Department of Public Safety(DPS) and the Ohio Department of Administrative Services(DAS).

The SIEC has included in its SLIGP budget, funds for various individuals, subcommittees and other stakeholders to cover the cost of travel and other administrative expenses for activities under SLIGP. DAS will have direct operational control of funding, such as to hire staff and consultants in its role of managing funds and staffing under SLIGP.

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<sup>3</sup> See letter initiated by the Ohio Department of Public Safety and the Ohio Department of Administrative Services appointing Mr. Anderson as the Administrator of the SIEC.



**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?*

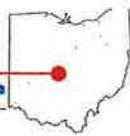
Ohio’s current SCIP, last updated prior to the establishment of FirstNet, contains references to upcoming PSBN activities and contains placeholders for specific goals and initiatives. It is Ohio’s intention to update the SCIP through this grant program. Only PSBN portions of the SCIP will be funded through this grant initiative. The SIEC will ensure separation between PSBN and non-PSBN update activities by assigning the PSBN update portion to the PSBN subcommittee, which will meet at separate times from the SIEC SCIP update committee.

The Ohio SCIP includes under *Section 7, Broadband Data Interoperability* a number of benchmarks directly related to public safety broadband. As the most recent update of the SCIP was published in May 2012, these benchmarks do not directly correspond to the NTIA’s FFO or any FirstNet activity. These benchmarks are as follows:

- Establish a broadband subcommittee within the SIEC for the statewide governance of public safety broadband activities in Ohio, to leverage the existing capabilities and associated economies of scale.

The subcommittee consists of:

Agency	Name
Ohio Department of Public Safety	Major K. Teaford, OHSP
	Sima Merrick, OEMA
Law Enforcement	Sheriff M. Simpson, BSSA, Preble Co. Sheriff
	Chief K. Hinkle, OACP, Obetz P.D.
Fire/EMS	Chief Scott Skeldon
Department of Health	Susan Brumm
Ohio Hospital Association	Doug McGilvy
Government Association	Bob Glaser, County Commissioners Assoc.
	Greg Berquist, Director, Delphos Public Safety
Education	Chief Rick Amweg
UASI/Major Cities	Ramona Patts, City of Columbus
DAS/OIT/MARCS	D.L. Anderson
Homeland Security Regions	Rural – Lt. Curtis Braniger, Guernsey Co. S.O.
	Urban- CIO Rick Schmahl, City of Akron
Other State Agencies (2)	Al Phillips, ODOT
	Dean Bolton, ODNR
APCO-RPC	Matt Franke
RPC 33	Paul Mayer
Utilities	Herb Caldwell, ORC
NG911	Jay Sommerville, Dublin
Ohio Attorney General BCI & I	Steven Raubenolt
Ohio Department of Homeland Security	Richard Baron
OEC Regional Representative (non-voting)	Jim Jarvis



Commercial Vendors/other (non-voting)

None – all invited

- Regularly scheduled governance meetings are scheduled monthly with special sessions conducted as needed due to the fluid environment of the PSBN at this time. This enables the subcommittee to provide direction and guidance for the program.
- Submit necessary plans and program documentation to appropriate state and federal authoritative bodies.
- Develop and disseminate appropriate reports, status updates, and reporting schedule in order to keep all stakeholders informed.

Ohio annually holds a SCIP workshop in the Spring, where all stakeholders throughout the state are invited to review previous initiatives, measure progress, and develop new initiatives. Following this workshop, the SIEC updates the SCIP. In Spring 2013, the SIEC’s SCIP workshop will focus largely on SLIGP and FirstNet and initiatives specifically provided for in the NTIA’s FFO. The SIEC understands that SLIGP funds may only be used to fund SCIP update activities that relate to PSBN activities. The SIEC will have personnel on site to monitor all SCIP update activities during this event and account for PSBN-related activities separately from non-PSBN (regular SCIP update) activities.

*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 SIEC has a standing PSBN subcommittee. That subcommittee meets regularly and engages local government constituents from across Ohio for input. Additionally the SIEC has conducted Broadband technical assistance workshops in 2011 and 2012 which were well attended with representatives from local, county, regional and state levels of government. Both urban and rural areas of the state were represented.

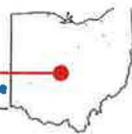
Additionally, Ohio’s SCIP workshops generally have very broad representation of public safety interests throughout the state. The output of these workshops is a revised plan which is then approved by the SIEC and its subcommittees; accordingly, this process is one which provides all stakeholders the opportunity to provide input on any changes to the SCIP.

*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. The 2012 SCIP has some general references to PSBN activities in Section 7, however, those objectives were written prior to the formation of FirstNet. Now that articulable objectives have been established, Ohio anticipates using approximately \$50,000<sup>4</sup> to engage a consultant familiar with Ohio’s SCIP process.

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<sup>4</sup> By law, Ohio must engage in a competitive bidding process which identifies a scope of work and serves to identify a prospective contractor. The amount provided here is an estimate of the costs based on the State’s previous experience.



Additionally, the SIEC plans to use SLIGP funds to offset some costs to stakeholders to host its annual workshop and cover other related administrative costs stemming from repurposing sections of the SCIP for broadband planning.

### 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?*

In Ohio the SWIC (who is also the administrator of the SIEC), Mr. Darryl Anderson, is appointed by the Department of Administrative Services and Department of Public Safety. The SWIC is the designated single point of contact for this grant program. The SWIC is not employed full time in this position, inasmuch as he is also designated as the Program Director for Ohio's Multi-Agency Radio Communications System (MARCS).

Initially Mr. Anderson will also serve as the Project Manager for the PSBN project. The grant application contains a proposal to hire a full-time project manager to assume these duties once the program is underway.

Currently, one of the SWIC's job responsibilities is to assist in FirstNet-related activity on behalf of the state. The SWIC will serve in an administrative advisory capacity of the SLIGP grant project. The SLIGP project office and the planned project manager will operate under the direction of the SWIC.

- 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?*

The SIEC has been designated by the Governor as the governmental body for oversight of this grant program. Additionally, the SIEC Administrator and SWIC, will serve as the coordinator of implementation of the SLIGP grant funds.

Oversight of the SIEC is designated to the Ohio Department of Public Safety (DPS) and the Ohio Department of Administrative Services (DAS). The state CIO, Mr. Stuart Davis, is the designated person within DAS that oversees the SIEC. Additionally Mr. Davis is the direct supervisor of the SWIC, Mr. Anderson.

Accordingly, the state CIO will have direct authority in influencing the direction of SLIGP-related activities for the state, as it relates to the state's Multi-Agency Radio Communication System (MARCS) and the Statewide Internet Protocol Steering Committee (ESINet).

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

The state agencies and organizations listed in the attached Executive Order have positions on the SIEC, and as such will be involved with the SLIGP. Additionally, both MARCS and ESINet Steering committees will be involved with the SLIGP.

The above is not an all-inclusive list of organizations that will be involved in the SLIGP process. The SIEC and the PSBN subcommittee have open meeting policies and as such, any number of interested parties may have input into the SLIGP process.

- 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 SIEC anticipates utilizing the following positions through the performance period of SLIGP and will utilize contracted services for the remaining work. Throughout the 3-year grant period, the SIEC anticipates the following roles need be fulfilled to manage a successful broadband consultation process:

Project Manager (1 FTE)  
 Program Manager (.25 FTE)  
 Budget Analyst (1 FTE)  
 Administrative Support (0.5 – 1 FTE)  
 Outreach Coordinator (1 FTE)

The Project Manager, Budget Analyst, and Outreach Coordinator are proposed additional staffing. The Program Manager and Administrative Support resources represent existing positions that are currently funded.

The state proposes using \$1,043,000 in SLIGP funds over the course of the 3-year grant period to fully fund the Project Manager, Budget Analyst, and Outreach Coordinator positions as follows:

Project Manager - \$519,271  
 Budget Analyst - \$194,727  
 Outreach Coordinator - \$328,871

The Project Manager will have oversight over the entire PSBN project, including all activities funded through the SLIGP process. The Budget Analyst will have all fiscal responsibility for the project. The Outreach Coordinator will work with the contractor and will be responsible for all outreach throughout the state.

THE SIEC will dedicate 1 – 1.5 FTE of administrative support through the performance period of SLIGP and will utilize contracted services for the remaining work.

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

First, the SIEC encourages private industry and secondary users to attend SIEC and PSBN subcommittee meetings. Both the SIEC and PSBN meetings are public meetings according to Ohio law and as such any entity may send representatives to participate.

The following list represents private partners that are part of the SIEC by virtue of the Governor's executive order:

Ohio's Electrical Service Providers

Herb Caudwell

Finally, if an issue arises in either the SIEC or PSBN meetings that relate to a secondary user or private industry, SIEC personnel contact appropriate representatives for consultation.



#### 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?

Ohio is a home rule state and as such cities, municipalities, and/or counties have the ability to pass laws to govern themselves as they see fit (so long as they obey the state and federal constitutions). In this context, it means the state has no authority to mandate use of a particular wireless broadband system, or for that matter, any system at all. The SIEC will need to work in a collaborative environment with units of local and regional government concerning deployment of a PSBN system. We anticipate that this may be a challenge with units of government that already have a data system deployed. It may also be a problem if the cost of the PSBN solution is greater than that currently in use by the unit of government. The SIEC will address these potential challenges during the outreach process.

There are also several levels of local government in Ohio. Ohio is divided into 88 counties. Ohio law defines a structure for county government, although each county may choose to define its own.

There are two kinds of incorporated municipalities, cities and villages. If a municipality has five thousand or more residents as of the last federal census it is a city, otherwise it is a village. Each municipality chooses its own form of government, but most have elected mayors and city councils or city commissions. City governments provide much more extensive services than county governments, such as police forces and professional (as opposed to volunteer) fire departments.

The territory of each county is divided into townships. There are more than 1,000 townships in Ohio, ranging from the very small with only a few hundred inhabitants to large townships with tens of thousands of residents and bigger than most cities of the state. All land in Ohio is nominally part of some township.

A Metropolitan Statistical Area (MSA) is a geographical region with a relatively high population density at its core and close economic ties throughout the area. There are 15 MSA's in Ohio as depicted on the accompanying map and table.



Figure 2 - Ohio Metropolitan Statistical Areas

1. Akron PMSA
2. Canton-Massillon MSA
3. Cincinnati PMSA, including Dearborn & Ohio Counties in Indiana and including Boone, Campbell, Gallatin, Grant, Kenton & Pendleton Counties in Kentucky
4. Cleveland-Lorain-Elyria PMSA
5. Columbus MSA
6. Dayton-Springfield MSA
7. Hamilton-Middletown PMSA
8. \* Huntington-Ashland MSA, including Boyd, Carter & Greenup Counties in Kentucky and including Cabell & Wayne Counties in West Virginia
9. Lima MSA
10. Mansfield MSA
11. \* Parkersburg-Marietta MSA, including Wood County in West Virginia
12. Steubenville-Weirton MSA, including Brooke & Hancock Counties in West Virginia
13. Toledo MSA
14. \* Wheeling MSA, including Marshall & Ohio Counties in West Virginia
15. Youngstown-Warren MSA

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.*

Local jurisdictions will be represented in four ways:

First, the SIEC and the PSBN subcommittee are already comprised of representatives of local, county, regional, and state government entities as well as non-government organizations. The SIEC and the PSBN will continue to meet regularly in efforts to further the consultation, planning and governance functions.

Second, the SIEC has eight regional interoperability groups, geographically formed to coincide with Ohio's homeland security districts. These regional groups have, and will continue to meet regularly to address local and regional concerns relative to interoperable communications and PSBN issues.

Third, will aid Statewide Emergency Services Internet Protocol Network (ESINet) Steering Committee to assess the readiness of the State's IP Network and local 9-1-1 programs to support the transition to Next Generation 9-1-1 services

Fourth, as a program developed through this grant opportunity, the SIEC will conduct meetings in each of Ohio's 88 counties to reach out to each local government entity and first responder. Additionally, the SIEC will conduct additional meetings in each urban areas to ensure that each local government and first responder entity has been contacted.

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

Historically, Ohio has coordinated with local governments through the SIEC. SIEC meetings have always been open to the public and have always been very well attended. Additionally, the regional interoperability groups serve to regionalize concerns and provide a means for local stakeholders to become engaged in the process.

- 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?*

The state's most significant challenge when dealing with local governments has been ensuring accurate and timely information is available for its stakeholders. The SIEC's strategy to address has been to maintain constant lines of communication throughout the state. Additional challenges exist with Ohio's current 9-1-1 system which, cannot deliver any VOIP information to Ohio's 9-1-1 centers, also known as Public Safety Answering Point (PSAPs). The architecture of the current 9-1-1 system is based on circuit switched telephony designed to enable voice calls to 9-1-1, not data. In order to support the current and future needs of Ohio citizens, we must expand the planning effort for an Internet Protocol (IP)-based communications system referred to as Next Generation 9-1-1 (NG9-1-1)<sup>5</sup> to enable PSAPs to receive this valuable data.

One of the most effective tools the SIEC has leveraged to manage this communication are its 8 Regional Interoperability Groups. Each geographic region has a coordinator for their area. Part of that coordinator's responsibility is to report out at SIEC meetings and maintain contact with SIEC leadership on interoperability matters important to the region.

Moving forward, the SIEC intends to continue the regional concept. Additionally, the SIEC is developing a web site that will contain information specific to the state's PSBN activities.

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<sup>5</sup> *NG9-1-1 is an IP-based system comprised of managed IP-based networks, functional elements (applications), and databases that replicate traditional E9-1-1 features and functions and provide additional capabilities. NG9-1-1 is designed to provide access to emergency services from all connected communications sources, and provide multimedia data capabilities for PSAPs and other emergency service organizations*

## 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.*

Ohio has 8 Regional Committee's which represent each county and city in the state. Regional boundaries are shown in below: Homeland Security Regions Map.



Figure 3 - Ohio Regional Interoperability Groups

Each region is represented by a coordinator, who conducts regional meetings. Those coordinators then report out at the SIEC meetings, covering issues and matters relevant to his/her specific region.

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

Ohio has engaged in significant interstate coordination regarding broadband through the FEMA Region V Regional Emergency Communications Coordination Working Group (RECCWG), which represents Illinois, Indiana, Michigan, Ohio, Ohio, and Wisconsin. For example, the RECCWG jointly filed comments in response to the NTIA's SLIGP RFI released early 2012. Ohio will continue to collaborate with the RECCWG to address interstate issues as they arise throughout executing SLIGP, as well as, the Statewide Emergency Services Internet Protocol Network (ESINet) Steering Committee who assess the readiness of the State's IP Network and local 9-1-1 programs to support the transition to Next Generation 9-1-1 services.

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

The SIEC will ask the Regional Committee's to form subcommittees to review the requirements gathered during its statewide requirements assessment. Subcommittees will be created to develop specific recommendations on



the different components of the network or the various functional requirements necessitated by the operational needs as defined by the first responders. These subcommittees will be made up of representatives from Ohio's first responders. By utilizing the previously established regional interoperability groups, the SIEC will request each regional committee to form its own broadband subcommittee. This will ensure that local interests are taken into consideration throughout the state. It will further differentiate between interoperable voice communications and PSBN interests. By doing this the state will ensure that all local interests are taken into consideration when implementing the PSBN across the state.

It should be noted that the National Public Safety Telecommunications Council (NPSTC) has developed a very comprehensive Statement of Requirements (SOR) that covers many of the technical requirements envisioned for consideration by these subcommittees. An SIEC representative served on the NPSTC committee that developed the SOR. That person will take the lead in forming Ohio's SOR. Also, FirstNet may adopt all or in part the technical requirements outlined within the NPSTC SOR or it may develop its own requirements for the broadband service or network. As a result, the subcommittees may be limited to providing differentiation between the national and Ohio requirements. The technical subcommittees in Ohio will be asked to consider NPSTC's requirements as a foundation.

All recommendations made by the subcommittees will be distributed statewide to stakeholders for comment. The Regional Committee's, Counties, urban and rural representatives and other SIEC representatives will serve as the conduit for the distribution of information to all affected user groups.

Additionally, ESINet Steering Committee will assist in this effort by:

- Fostering increased coordination and partnerships within the public safety community.
  - Encouraging standards coordination and interoperability across the United States and with other emergency services network providers within North America (Canada and Mexico), recognizing the global impacts of routing emergency calls in an IP environment.
  - Maximizing emergency services capital, operating, and maintenance cost savings.
- 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.*

Ohio shared and review drafts with the state of Arkansas and with members of Region V RECCWG FEMA Region V RECCWG (Illinois, Indiana, Michigan, Ohio, Ohio, and Wisconsin) throughout the course of authoring this application. This collaboration consisted of sharing incomplete drafts of each entity's SLIGP application.

## 6. Tribal Governments

Ohio has no federally recognized tribes, and as such, this section does not apply to the state's application.

*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.dia.gov/About/About/FBI-FIS/tribal/tribalServices/TribalDirectory/index.htm>

- b. Describe how the State will involve the tribal nations to ensure there is adequate representation of their interests in the FusionNet consultation and in the planning/governance for the 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.
- c. Describe past methods the State has used to successfully coordinate with tribal nations.
- d. Are there tribal representatives who regularly attend your SIGB meetings? If so, please identify the tribes represented.
- 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 SIGB?

**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 U.S. Census Bureau uses an urban-rural classification based on Metropolitan Statistical Areas (MSAs), which are designated by the United States Office of Management and Budget to collect, tabulate and publish federal statistics.

Metropolitan statistical areas contain a core urban area with a population of 50,000 or more. Each MSA also includes one or more counties that have a high degree of social and economic interaction with the urban core (further information on definitions for MSAs can be found at: [www.census.gov/population/www/estimates/00-32997.pdf](http://www.census.gov/population/www/estimates/00-32997.pdf))

When classifying urban, suburban and rural counties, we follow the Census Bureau definition whereby counties are categorized as "urban" if they contain the core city of an MSA. "Suburban" counties are MSA counties that do not contain a core city, and "rural" counties include all remaining counties that are not part of an MSA.

Using these definitions, there are currently 14 urban, 26 suburban, and 48 rural counties in Ohio.

County	Class	County	Class
Adams County, Ohio	Rural	Licking County, Ohio	Suburban
Allen County, Ohio	Urban	Logan County, Ohio	Rural
Ashland County, Ohio	Rural	Lorain County, Ohio	Suburban
Ashtabula County, Ohio	Rural	Lucas County, Ohio	Urban
Athens County, Ohio	Rural	Madison County, Ohio	Suburban
Auglaize County, Ohio	Rural	Mahoning County, Ohio	Urban
Belmont County, Ohio	Urban	Marion County, Ohio	Rural
Brown County, Ohio	Suburban	Medina County, Ohio	Suburban

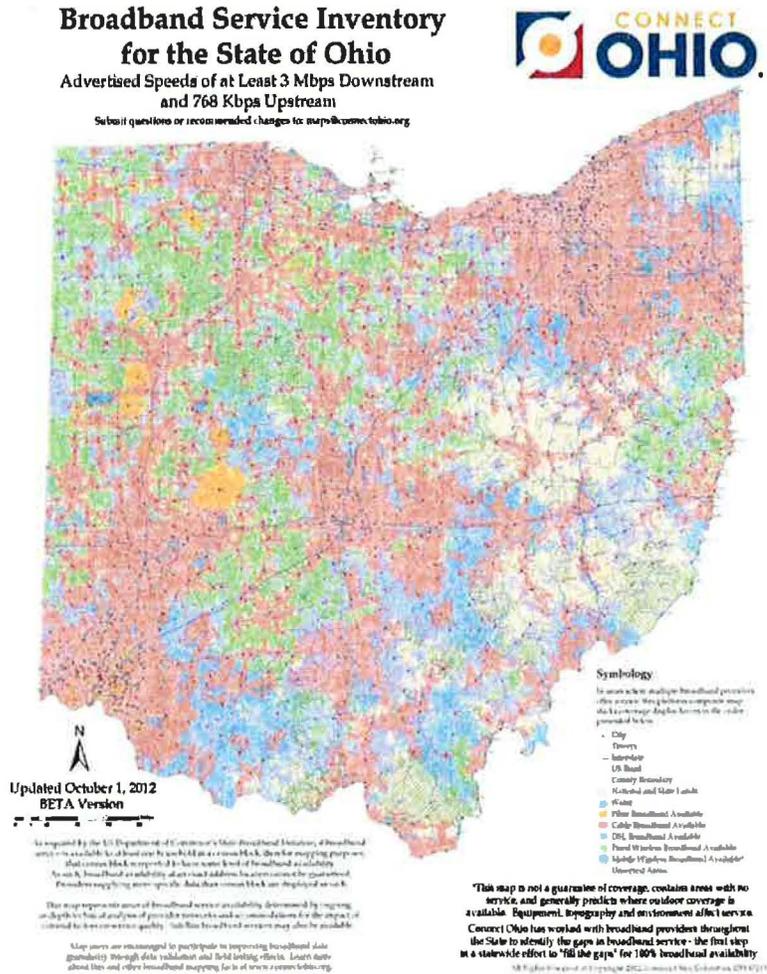


Butler County, Ohio	Suburban	Meigs County, Ohio	Rural
Carroll County, Ohio	Suburban	Mercer County, Ohio	Rural
Champaign County, Ohio	Rural	Miami County, Ohio	Suburban
Clark County, Ohio	Urban	Monroe County, Ohio	Rural
Clermont County, Ohio	Suburban	Montgomery County, Ohio	Urban
Clinton County, Ohio	Rural	Morgan County, Ohio	Rural
Columbiana County, Ohio	Rural	Morrow County, Ohio	Suburban
Coshocton County, Ohio	Rural	Muskingum County, Ohio	Rural
Crawford County, Ohio	Rural	Noble County, Ohio	Rural
Cuyahoga County, Ohio	Urban	Ottawa County, Ohio	Suburban
Darke County, Ohio	Rural	Paulding County, Ohio	Rural
Defiance County, Ohio	Rural	Perry County, Ohio	Rural
Delaware County, Ohio	Suburban	Pickaway County, Ohio	Suburban
Erie County, Ohio	Urban	Pike County, Ohio	Rural
Fairfield County, Ohio	Suburban	Portage County, Ohio	Suburban
Fayette County, Ohio	Rural	Preble County, Ohio	Suburban
Franklin County, Ohio	Urban	Putnam County, Ohio	Rural
Fulton County, Ohio	Suburban	Richland County, Ohio	Urban
Gallia County, Ohio	Rural	Ross County, Ohio	Rural
Geauga County, Ohio	Suburban	Sandusky County, Ohio	Rural
Greene County, Ohio	Suburban	Scioto County, Ohio	Rural
Guernsey County, Ohio	Rural	Seneca County, Ohio	Rural
Hamilton County, Ohio	Urban	Shelby County, Ohio	Rural
Hancock County, Ohio	Rural	Stark County, Ohio	Urban
Hardin County, Ohio	Rural	Summit County, Ohio	Urban
Harrison County, Ohio	Rural	Trumbull County, Ohio	Suburban
Henry County, Ohio	Rural	Tuscarawas County, Ohio	Rural
Highland County, Ohio	Rural	Union County, Ohio	Suburban
Hocking County, Ohio	Rural	Van Wert County, Ohio	Rural
Holmes County, Ohio	Rural	Vinton County, Ohio	Rural
Huron County, Ohio	Rural	Warren County, Ohio	Suburban
Jackson County, Ohio	Rural	Washington County, Ohio	Suburban
Jefferson County, Ohio	Urban	Wayne County, Ohio	Rural
Knox County, Ohio	Rural	Williams County, Ohio	Rural
Lake County, Ohio	Suburban	Wood County, Ohio	Suburban
Lawrence County, Ohio	Suburban	Wyandot County, Ohio	Rural

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.

The following map and table include the latest estimates for broadband availability across Ohio. The data included in the table are broken down into statewide and “rural” categories, where “rural” defined by NTIA in the regulations that govern the SBI grant program.

At the direction of the state, Connect Ohio works with each of the state's broadband providers to create maps of broadband coverage and conduct surveys to assess the current landscape of broadband availability and adoption across the state. The data behind these maps are updated every six months and offer the most current public information regarding the availability of broadband service across the state. The map shown reflects broadband availability at 3Mmps Download / 768 Kbps Upload speeds across the state.



LTE, the mobile broadband standard selected for use in the national PSBN, is still in the relative early stages of its commercial rollout in the US. Verified download and upload speeds offered by the competing commercial carriers on their LTE networks are wide-ranging. Hence, at this time we do not have reliable information regarding the extent of the LTE network in the state, other than as reported by commercial providers. While Connect Ohio collects data on commercial mobile service availability by speed tier, it does not collect information on what specific mobile platform technology is in use in a given area (e.g., LTE, 3G, 4G, 4G LTE).

This chart indicates there are specific regions of the state where wireless broadband speeds reach at least reach 3 Mbps down/768 kbps up (by areas shaded in light blue). Such speeds, however, are not generally considered comparable to speeds achieved by carriers that are rolling out LTE technology on their networks, which is generally regarded as much faster.

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.

ESTIMATE OF BROADBAND SERVICE AVAILABILITY IN THE STATE OF Ohio By Speed Tier - As of October 2012				
State Broadband Initiative Download/Upload Speed Tiers	Percent Households Served by FIXED Broadband	Percent Geographic Area Served by FIXED Broadband	Percent Households Served by MOBILE Broadband	Percent Geographic Area Served by MOBILE Broadband
<b>STATEWIDE</b>				
At Least 768 Kbps/200 Kbps	98.59	85.11	99.26	93.40
At Least 1.5 Mbps/200 Kbps	98.48	84.30	95.52	80.75
At Least 3 Mbps/768 Kbps	97.55	78.76	91.78	69.63
At Least 6 Mbps/1.5 Mbps	87.43	45.82	83.98	47.75
At Least 10 Mbps/1.5 Mbps				
At Least 25 Mbps/1.5 Mbps	83.13	36.31	0.00	0.00
At Least 50 Mbps/1.5 Mbps				
At Least 100 Mbps/1.5 Mbps	1.38	1.05	0.00	0.00
At Least 1 Gbps/1.5 Mbps	0.00	0.00	0.00	0.00
<b>ACROSS RURAL AREAS</b>				
At Least 768 Kbps/200 Kbps	97.19	84.15	98.54	92.55
At Least 1.5 Mbps/200 Kbps	96.96	83.30	91.05	78.97
At Least 3 Mbps/768 Kbps	95.11	77.49	84.02	67.38
At Least 6 Mbps/1.5 Mbps	77.81	43.00	69.67	44.18
At Least 10 Mbps/1.5 Mbps				
At Least 25 Mbps/1.5 Mbps	71.14	33.13	0.00	0.00
At Least 50 Mbps/1.5 Mbps	71.05	33.01	0.00	0.00
At Least 100 Mbps/1.5 Mbps	2.77	1.11	0.00	0.00
At Least 1 Gbps/1.5 Mbps	0.00	0.00	0.00	0.00
Source: Connect Ohio.				

To ensure coverage in rural areas across the state, the process will involve a series of stages that will be conducted in parallel to the local outreach efforts and the process for the identification of secondary users as described above. The key stages of this process will include:

- **Identification of target rural areas:** Based on existing information of commercial and publicly-owned network assets, as well as the projected needs of the PSBN, the SLIPG team will identify and classify rural areas across the state where these efforts will need to focus.

- **Cost modeling:** Development of a baseline cost assessment of the necessary network build-out across those rural areas. These models will be developed incorporating network standards and strategy defined by the FirstNet board. Based on these models, we will be able to classify areas based on capital and operational cost and assess the degree of potential budgetary shortfall).
- **Assessment of potential revenue streams:** In parallel to cost modeling efforts, planners will assess the business case across these local areas, taking into account revenues stemming from primary users (first responders) as well as potential secondary users. Hence, this team will work in close collaboration with teams implementing the outreach strategy to secondary users.
- **Building Local Business Plans:** Based on the network cost and revenue projections for each local area, planners will determine strategies to bridge the identified financial gaps. This will include aggressively pursuing secondary users in those areas, and developing public private partnerships with local governments and users (such as community anchor institutions) to help finance the build-out and ongoing sustainability of the network.

## 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 only database in use by Ohio is the Communication Assets Survey and Mapping (CASM) Tool. The CASM Tool is provided by the Department of Homeland Security, Office of Emergency Communications (OEC) Interoperable Communications Technical Assistance Program (ICTAP).

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

Access to the CASM database is governed by state of Ohio employees. Various communications asset managers throughout the state has CASM access rights and have the capability to update information in the system. Information is updated as data changes.

## 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.*

State-owned networks are already known and the hardening, security, reliability and resiliency requirements are well known. The SIEC built a number of assumptions into its final figures for this study, and under SLIGP, will investigate these same issues for locally-owned sites on a stakeholder-by-stakeholder basis.

- 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.*

The SIEC will investigate the contractual requirements of meeting the user needs revealed during the assessment of each stakeholder throughout SLIGP. This assessment process is described elsewhere in this application.

## 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.*

The SIEC will assess the potential user populations amongst public safety agencies through its assessments of stakeholders identified through its discovery process. These assessments involve contacting each public safety first responder in Ohio, utilizing the proposed outreach coordinator. The surveying will be conducted through the regional areas described elsewhere in this proposal. The first phase of the survey will be to determine the first responders' current level of broadband connectivity (if any), then determining their desired level of connectivity, including intended uses (applications). Finally, our consultants will determine the difference (delta) and the commitment each public safety first responder has to the PSBN initiative.

It is nearly impossible to estimate the sustainability of broadband deployment in the state and to consider the competitiveness with commercial services without additional information from FirstNet and derived from processes covered in this SLIGP process. Ideally, Ohio will be able to calculate the necessary market penetration of the PSBN in the state to be competitive. And so, the SIEC's goal under SLIGP is to the maximum number of potential users in Ohio.

## 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.*

An important part of the stakeholder assignment process will be the communication of expectations as they pertain to the objectives of the program. It is vital to brief the stakeholders so they have a proper understanding of the entire program, to set the expectations for their participation and to solicit buy-in from them as their participation will define the overall success of the program. Hence the project team will prepare and deliver to each participating stakeholder briefing presentations, lists of pending tasks, explanations of each task and the estimated schedule for completion. The SIEC will utilize the following methods to educate stakeholders:

- Workshops, conducted locally with stakeholders;
- Conferences, conducted regionally or at the state level;
- Meetings, held individually with jurisdictions; and
- An Interactive PSBN Web Page, which will contain current information, resources, and links to relevant reports and knowledge bases.

The SIEC will invest significant effort into ensuring that it has compiled the appropriate stakeholder agencies and points of contact for each stakeholder. With the advice of the key stakeholders identified in the initial discovery process, the SIEC will ensure that each project team has identified experts and responsible parties for the collection of all required information in the program. The SIEC will organize and group each agency to ensure that the project team can collect user requirements and quantities, financial resources, and other asset data for

the required entities throughout the state. Prior to performing any data collection, the SIEC will perform an orientation session with each stakeholder group and confirm their willingness and competency to participate in the process.

The stakeholders will be expected to provide data that fit into three broad categories. While a single individual may be capable of providing multiple categories of information, experts must be identified in each area in order to capture the required information that achieves the State's objectives. Activities performed to collect this information are:

- Web-Based Interactive Sessions
- On-Line Surveys
- Data Support

Following are descriptions of each of the activities listed above.

Interactive Review Sessions: The primary purpose of this type of information is to provide the general network requirements for the agency and to suggest infrastructure that can be leveraged for the implementation of the PSBN. The actual participation of each working member will vary from step to step depending on the tasks and assessment at hand. The network and assets group shall address the following items:

- Coverage Priorities
- Usage Cases
- Asset & Infrastructure Review

The participants who provide this information must address the following items:

- Ancillary System e.g. generators, backhaul, etc.
- Typical usage characteristics and coverage requirements for their agency's wireless devices
- Availability of connectivity within their jurisdiction that may be leveraged by the PSBN; to include available fiber, leased and microwave connections
- Locations of key data centers that require connectivity to the future PSBN

On-Line Surveys: The one item that will greatly impact the adoption of FirstNet services is the user fee. The FirstNet PSBN user fee is for the intended purpose of covering the operational expenses thus helping to ensure the sustainability of the network for the long term. Therefore, it is important to assess the potential number of subscribers, as the greater the number of subscribers brought on to the network, the lower the fees would be for all. Additionally, the program must capture the ability for users to pay for the service and understand how limited funds could curb adoption. The on-line survey information providers shall address the following items:

- Current and projected subscriber numbers
- Current spending on wireless communications
- Preferred form factors
- Barriers to wireless data adoption

Data Support: The Data Support stakeholders will be convened on an ad hoc basis, where necessary, to obtain specific data sets that will aid in the collection of user needs and agency assets. For example, CAD data may be used in the identification of coverage areas and capacity requirements. The historical CAD record can provide a geographical representation to the public safety stakeholders on likely critical service areas. Additionally, network diagrams may be used in the identification of usable assets in the design or for interface requirements. Examples of the expected participants for ad hoc Data Support are as follows:

- CAD Administrators and Vendors Database Administrators
- Network and IT Managers
- Radio Administrators and Managers
- Property Managers

## 12. Memoranda of Agreement (MOA)

- 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 SIEC does not anticipate any existing laws or other legal issues would prevent Ohio agencies from fully participating in the network. However, the SIEC would leverage its extensive governance structure in executing any required agreements between different units of government should such a need arrive. DAS have executed countless contracts, sharing agreements, and MOUs/MOAs through the deployment of MARCS, and accordingly, public safety in Ohio has a significant library of reference material to model future agreements from.

## 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?*

Data Collection is an area of focus for the Ohio Geographically Referenced Information Program (OGRIP). OGRIP's goals are to: encourage the creation of digital geographic data of value to multiple users, foster the ability to easily determine what geographic data exists and foster the ability to easily access and use this data. OGRIP is made up primarily of volunteers who share a common interest in the development of Geographic Information Systems (GIS) and use of geographic information in Ohio. These volunteers include representatives of several state agencies, local and regional governments, utilities, universities, private organizations and other interested individuals.

Several government offices in Ohio are evaluating a commercial product, Raven 9-1-1, that has extensive mapping and database capabilities. The SIEC will evaluate this tool and consider how it may be used to assist in this grant opportunity. Beyond that, the SIEC possesses no special tools or software it will leverage for this assessment outside of common commercial productivity software and common engineering tools such as coverage mapping and network planning software.

However, Ohio possesses a large body of knowledge within the Office of the CIO. These efforts have prepared the state to begin substantial work under SLIGP immediately upon award of funds without delays associated with project ramp-up.

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

FirstNet and NTIA may consider adopting is OEC/ICTAP’s new Site Survey Tool, a component of CASM, which will be available in the summer. It will greatly expand on the infrastructure than can be collected for existing LMR equipment including shelters, backhaul, power/backup, capacity, and other pieces of information. This tool could be invaluable to streamline and standardize infrastructure-related data collection entry performed under Phase 2 of SLIGP.

**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.*

The SIEC has developed a comprehensive plan for collecting information and performing Phase 2 activities under SLIGP. The state’s objectives for the program are to collect the required information to ensure that FirstNet and its vendor will be able to build, operate, and maintain a network in the State of Ohio that:

- Is highly adopted by public safety, and therefore, substantially benefits public safety in the state. As a result, the service must broadly meet the needs of the state’s public safety users including its coverage, reliability, cost, and other requirements.
- Is sustainable, and therefore, that the user fees and other sources of revenue for FirstNet are sufficient to sustain the network for the long term. This includes not only recovery of network user fees, but also “technology refresh”, system upgrades, and other requirements of the public safety community in perpetuity.
- Enhances interoperability. Simply providing a more reliable and robust network to carry state and local public safety is insufficient. The new network must enhance the sharing of information among the state’s public safety community.
- 

In carrying out this plan, the project team will leverage the work completed during the 2012 PSBN planning sessions in Ohio and seek greater stakeholder-specific accuracy in its predictions. Each implementation scenario shall be accompanied by a full explanation of the advantages and disadvantages of each scenario.

Each implementation scenario will include an estimate of the potential revenue that may be had by leasing on a secondary basis the extra capacity of the network. In this instance, the State may be able to choose from a variety of commercial operators or resellers. As this revenue cannot be guaranteed without contract negotiations, this estimate of revenue may not be available during implementation of this process. In total the implementation models will incorporate the following attributes:

- Service Scenarios: coverage predictions based upon various deployment scenario

- Financial Modeling: Cost projections for the utilization of different assets, both in terms of capital and operational expenditures
- Revenue: Estimated revenue projections based upon various partnership scenarios if possible

The SIEC anticipates tasks identified in this plan will fall into the following phases under SLIGP:

Task	Phase
Task 0 - Grant Application	n/a (pre-award)
Task 1 - Initial Administrative Items	Phase 1
Task 2 – Develop a Stakeholder Entity List	Phase 1
Task 3 – Stakeholder List Refinements	Phase 1
Task 4 – Agency Needs and Asset Assessment	Phase 2
Task 5 - Statewide Requirements Assessment	Phase 2
Task 6 - Partnership Evaluation	Phase 2
Task 7 – Implementation Modeling	Phase 2
Task 8 – Detailed Asset Information Collection	Phase 2
Task 9 – Develop Final Report	Phase 2

**15. Other**

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

SIEC members were enlisted to prepare this grant application.

-11-



**JOHN R. KASICH**  
GOVERNOR  
STATE OF OHIO

**Executive Order 2012-07K**

Establishing the Statewide Interoperability Executive Committee

**WHEREAS**, the State of Ohio recognizes that one of its most important responsibilities and profound duties is to provide for the safety and security of its citizens.

**WHEREAS**, the State of Ohio must constantly be prepared to immediately respond to all disasters, whether natural or man-made.

**WHEREAS**, in the event of a disaster or emergency, government agencies and emergency responders at all levels must be able to communicate effectively to ensure the most efficient and immediate usage of resources and emergency services.

**WHEREAS**, the U.S. Department of Homeland Security, Office of Emergency Communications has established national standards for wireless voice and data communications and published those standards in the National Emergency Communications Plan.

**WHEREAS**, for Ohio to be eligible for federal funding in support of the National Emergency Communications Plan and the proposed Nationwide Public Safety Interoperable Wireless Broadband Network Initiative, there must be a single point of contact and a single coordinated effort.

**WHEREAS**, this single point of contact and coordinated effort that focuses on technology, coordination, governance, planning, usage, training, and exercises is essential to strengthen public safety communications capabilities statewide.

**NOW THEREFORE**, I, John R. Kasich, Governor of the State of Ohio, by virtue of the authority vested in me by the Constitution and the laws of this State, do hereby order and direct that:

1. The Ohio Statewide Interoperability Executive Committee (SIEC) is hereby created in order to address concerns relating to operability and interoperability of local, regional, and statewide public safety voice and data communications systems, to plan for the long-term efficient implementation and operation of interconnected public safety communications systems, to improve overall public safety communications interoperability in Ohio.
2. The SIEC shall consist of a representative from each of the entities listed in Appendix A, attached hereto.

The SIEC shall regularly report to the Directors of the Department of Public Safety and the Department of Administrative Services, and is authorized to:

- a. Develop policy recommendations related to comprehensive public safety communications systems, processes, and operations throughout the state.
  - b. Create and implement comprehensive strategies to develop, sustain, and improve public safety communications technologies at the local, regional, and statewide levels.
  - c. Coordinate the implementation of such comprehensive state strategies with state, regional, and local government partners, first responders, non-government organizations, the private sector, and experts within academia and research communities.
  - d. Be responsible for the coordination and implementation of national communications plans and policies at the state level, including, but not limited to, the National Emergency Communications Plan and the proposed Nationwide Public Safety Interoperable Wireless Broadband Network.
  - e. Be the single point of contact with federal communications entities for the State of Ohio.
  - f. Evaluate the feasibility and effectiveness of implementing and funding specific priorities of state, regional, and local communications efforts in coordination with national communications priorities and funding initiatives.
  - g. Review and evaluate existing and emerging issues that relate to statewide, regional, and local public safety communications matters.
3. All state departments, agencies, boards, commissions, and officers shall cooperate and provide any necessary assistance requested by the SIEC, or any duly authorized member or representative thereof, in the performance of its duties.

I signed this Executive Order on April 18, 2012 in Columbus, Ohio and it will not expire unless it is rescinded.



  
\_\_\_\_\_  
John R. Kasich, Governor

ATTEST:

\_\_\_\_\_  
Jon Husted, Secretary of State

## Appendix A

### Ohio Statewide Interoperability Executive Committee

The Ohio Department of Public Safety  
The Buckeye State Sheriff's Association  
The Ohio Office of Information Technology  
The Ohio Emergency Management Agency  
The Ohio Emergency Medical Services Board  
The Ohio Office of Homeland Security  
The Ohio State Highway Patrol  
The Ohio Association of Chiefs of Police  
The Ohio State Fire Marshal  
The Ohio Association of Fire Chiefs  
The Ohio Department of Natural Resources  
The Ohio Department of Rehabilitation and Correction  
The Ohio Department of Health  
The Ohio County Commissioners Association  
The Ohio Township Trustees Association  
The Emergency Management Association of Ohio  
The Ohio National Guard  
The Ohio Chapter of the Association of Public Safety Communications Officials  
The Ohio Bureau of Criminal Identification & Investigation  
The Chairman of the FCC Region 33 Planning Committee  
The Ohio Office of Criminal Justice Services  
The Ohio Department of Youth Services  
The Ohio Board of Regents  
The Ohio Hospitals Association  
Representative from Ohio's Electrical Service Providers  
The Ohio Municipal League  
Representative from each UASI area: Franklin County/Columbus, Wood County/Toledo, Cuyahoga County/Cleveland, Hamilton County/Cincinnati, Southeast Indiana, Northern Kentucky  
Representative from a mid-size city radio system  
Representative from a mid-size county radio system  
Representative from each of the eight Homeland Security Interoperable Communications Committees

## **Project Feasibility**

### **Applicant Capacity and Qualifications**

## **Project Feasibility**

### **Applicant Capacity and Qualifications**

#### **Introduction**

The State of Ohio recognizes one of its most important responsibilities and duties rests with ensuring the safety of its citizens. In doing so, it is vital coordinated efforts are made to ensure critical infrastructure components exist which allow for accessibility to the National Public Safety Broadband Network. These essential components include the statewide P-25 700/800 MHz trunked voice communication platform, the coordinated next generation 911 initiative, and up to date mapping of geo-spatial information and cataloging.

The Ohio Statewide Interoperability Executive Committee (SIEC) administrator and members will coordinate with more than 100 state agencies, boards, and commissions, 88 counties, and over 6,400 local partners in efforts to aid in the planning, development, and deployment of the national interoperable, single-architecture network.

#### **Capacity**

Ohio's SIEC was established pursuant to Governor Kasich's executive order 2012-07K and operates under the auspices as determined by the SIEC bylaws. The Executive Order directs the SIEC as the single point of contact for the State of Ohio to address concerns relating to the "operability and interoperability of local, regional, and statewide public safety voice and data communications." Additionally, the order authorizes the SIEC to: "(f.) Evaluate the feasibility and effectiveness of implementing and funding specific priorities of state, regional, and local communications efforts in coordination with national communications priorities and funding initiatives," in the State of Ohio.

The SIEC is at the center of Ohio's interoperable communications governance structure. Reporting to the committee are sub-committee's and workgroups. These sub-committee's and workgroups are comprised of subject-matter experts and practitioners who advise the SIEC on issues pertaining to their particular area of expertise. This governance structure ensures the SIEC acts on issues with the full input of public safety and government officials throughout Ohio. who are representative of diverse geographies (including the rural areas, as well as, larger urban areas) and disciplines.

#### **Knowledge / Experience**

The current SIEC administrator (Statewide Interoperability Coordinator (SWIC)) has over 40 years of public safety experience across diverse disciplines. For the last 12 years, he has served as the Program Director for the State

of Ohio's Multi-Agency Radio Communications System (MARCS). He is responsible for managing the budget and the deployment of the current system, as well as, the migration to a P-25 700/800 MHz trunked voice platform.

The SIEC meets regularly and is comprised of cross jurisdictional/governmental agencies and private sector public safety communication partners, with extensive amount of knowledge and expertise. The standing committee members are listed in the attached Executive Order.

### **Staffing Plan**

#### SWIC

The Ohio SWIC, who is also Administrator of the SIEC, will serve as the single point of contact for the SLIGP project and will serve as the operational program director over SLIGP funds.

#### Project Manager

A contracted Project Manager is responsible for the overall direction, coordination, implementation, execution, control and completion of the grant project goals and objectives

#### Outreach Coordinator

A contracted Outreach Coordinator's primary responsibilities are to build strategic relationships, conduct a variety of outreach and marketing activities. Track and maintain contacts to ensure feedback is received from all potential stakeholders and these stakeholders are cataloged .

#### Grant Budget Analyst

The contracted Grant Budget Analyst responsibilities include tracking applications and grants, ensuring grantees' compliance with grant terms and conditions, maintaining content and integrity of the grants management database, and fulfilling the information needs of the various stakeholders, both internally and externally.

#### Administrative and Legal Support

The Ohio Department of Administrative Services, Office of Information Technology shall provide support in the areas of procurement, contracting, legal, and communications.

The Ohio SIEC will handle staffing, administration, and management under SLIGP.

### **SIEC's Qualifications**

The Ohio SIEC has provided leadership in public safety interoperable communications for the state since 2002 and has the full support of public safety organizations throughout the state to carry out this project.

The SIEC has most recently served Ohio under the following initiatives: NECP Goal 1 and 2; SCIP; local, regional, and statewide interoperability planning and exercising; and coordination of system to system interoperability.

### **SIEC's Capacity**

The SIEC will rely on contracted services to execute most work under SLIGP. The SIEC anticipates dedicating a project manager in a full time capacity for most of the performance period of the grant with administrative support.

**BUDGET INFORMATION - Non-Construction Programs**

OMB Approval No. 0348-0044

<b>SECTION A - BUDGET SUMMARY</b>						
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		\$	\$	\$ 3,638,690	\$ 909,673	\$ 4,548,363
2.						0.00
3.						0.00
4.						0.00
5. Totals		\$	\$	\$ 3,638,690	\$ 909,673	\$ 4,548,363
<b>SECTION B - BUDGET CATEGORIES</b>						
6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY					Total (5)
	(1)	(2)	(3)			
a. Personnel	\$ 775,816	\$ 104,783	\$	\$	\$ 880,599	
b. Fringe Benefits	310,326	41,701			352,027	
c. Travel	143,043	13,500			156,543	
d. Equipment						
e. Supplies	61,450	9,600			71,050	
f. Contractual	509,000				509,000	
g. Construction						
h. Other	1,839,055	740,089			2,579,144	
i. Total Direct Charges (sum of 6a-6h)		0.00	0.00	0.00	0.00	0.00
j. Indirect Charges						0.00
k. TOTALS (sum of 6i and 6j)	\$ 3,638,690	\$ 909,673	\$	0.00	0.00	\$ 4,548,363.00
7. Program Income	\$	\$	\$	\$	\$	0.00

SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8. State and Local Implementation Grant Program	\$ 849,481	\$	\$ 60,192	\$ 909,673	
9.				0.00	
10.				0.00	
11.				0.00	
12. TOTAL (sum of lines 8-11)	\$ 849,481	\$ 0.00	\$ 60,192	\$ 909,673	
SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 0.00	\$	\$	\$	\$
14. Non-Federal	0.00				
15. TOTAL (sum of lines 13 and 14)	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
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.	\$	\$	\$	\$	
17.					
18.					
19.					
20. TOTAL (sum of lines 16-19)	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
SECTION F - OTHER BUDGET INFORMATION					
21. Direct Charges: \$4,548,363		22. Indirect Charges:			
23. Remarks: SF-424 and SF-424A were updated at the request of NTIA and resubmitted on 6/6/2013					

State of Ohio SLIGP Detailed Budget Spreadsheet

Category	Detailed Description of Budget (for full grant period)			Breakdown of Costs	
	Quantity	Unit Cost	Total Cost	Federal	Non-Federal
<b>a. Personnel</b>					
<b>SWIC</b> The SWIC will spend 30% of the time on SLIGP grant activities for 3 years. The SWIC's annual salary is \$115,835. $\$115,835 \times 30\% = \$34,751$	3 years	\$34,751	\$104,253	\$0	\$104,253
<b>PROJECT MANAGER</b> The Project Manager will spend 100% of the time on SLIGP grant activities for 3 years. The Project Manager's annual salary is \$120,000 for year 1 and assumes a 3% raise for years 2 and 3.	3 years	\$120,000 for year 1; 123,600 for year 2; and \$127,308 for year 3	\$370,908	\$370,908	
<b>BUDGET ANALYST</b> One budget analyst will spend 100% of the time on the project for 3 years. The budget analyst's annual salary is \$55,000 for year 1 and assumes a 3% raise for years 2 and 3	3 years	\$55,000 for year 1; 56,650 for year 2; and \$58,350 for year 3	\$170,000	\$170,000	
<b>OUTREACH COORDINATOR</b> One outreach coordinator will spend 100% of the time on the project for 3 years. The Outreach Coordinator's annual salary is \$76,000 for year 1 and assumes a 3% raise for years 2 and 3	3 years	\$76,000 for year 1; 78,280 for year 2; and \$80,628 for year 3	\$234,908	\$ 234,908	
<b>GRANT PREPARATION COSTS</b> Using the estimated time of 10 hours, and an hourly rate of \$52.50 (salary and benefits).	10 hours	\$53	\$530		\$530
<b>Total Personnel</b>			<b>\$880,599</b>	<b>\$775,816</b>	<b>\$104,783</b>
<b>b. Fringe Benefits</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>
<b>SWIC</b> Fringe is calculated at 40% of salary, for the portion of time spent on SLIGP activities (30%)	\$104,253	40%	\$41,701		\$41,701
<b>PROJECT MANAGER</b> Fringe is calculated at 40% of salary.	\$370,908	40%	\$148,363	\$148,363	
<b>BUDGET ANALYST</b> Fringe is calculated at 40% of salary.	\$170,000	40%	\$68,000	\$68,000	
<b>OUTREACH COORDINATOR</b> Fringe is calculated at 40% of salary.	\$234,908	40%	\$93,963	\$ 93,963	
<b>Total Fringe Benefits</b>			<b>\$352,027</b>	<b>\$310,326</b>	<b>\$41,701</b>
<b>c. Travel</b>		<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>

<b>Mileage for Working Group Meetings</b> 22 individuals (the SIEC PSBN subcommittee) traveling 120 miles roundtrip for 30 meetings. These are the number of PSBN subcommittee meetings anticipated over the 3-year grant period. The state mileage rate of	79200	\$0.55	\$43,560	\$43,560	
<b>Meetings with local stakeholders</b> There are 88 counties in Ohio and roundtrip travel to each county seat accounts for 16,856 miles. We anticipate two meetings in each county seat for Phase 1 activities and an additional two meetings for Phase 2 activities. The state mileage rate of \$.55/mile is used for calculations.	67424 miles	\$0.55	\$37,083	\$37,083	
<b>Travel for Regional and National Meetings with FirstNet</b> 9 individuals will attend 8 meetings throughout the 3-yr period. Airfare is estimated at \$500/ticket; hotel is estimated at \$150/night for one night; per diem is estimated at \$65/day for two days, for a total of \$780/trip	72 trips	\$780	\$56,160	\$56,160	
<b>Pre-Award Travel Expense</b> Travel associated with PSBN activities in June 2013, prior to the grant award. Travel to the NGA conference in St. Louis: 8 people to St. Louis for a total of 8 trips at \$780/person/trip.	8 trips	\$780	\$6,240	\$6,240	
<b>Motor Vehicle Expense</b> Calculated at \$4500/year for three years - see budget detail for explanation.	3 years	\$4,500	\$13,500		\$13,500
<b>Total Travel</b>			<b>\$156,543</b>	<b>\$143,043</b>	<b>\$13,500</b>
<b>d. Equipment</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>
There is no equipment for this grant project.	0	\$0	\$0	\$0	
<b>Total Equipment</b>			<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>e. Supplies</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>
<b>Printer</b> One networked printer for use by all PSBN staff in the office.	1	\$4,950	\$4,950	\$4,950	
<b>Office Supplies</b> Budgeted at \$150/month for 3 years	36 months	\$150	\$5,400		\$5,400
<b>Desks, Office Furniture</b> Costs are calculated based on \$2500 for furniture for three people plus \$5000 installation for furniture and modular partitions.	3 sets of office furniture plus \$5000 installation	\$2,600	\$12,800	\$12,800	\$0

<b>Apple iPads</b> Five Apple iPads for the staff working on PSBN.	5	\$990	\$4,950	\$4,950	
<b>SmartBoard Presentation Board</b> One SmartBoard presentation board for use in the PSBN Offices.	1	\$4,900	\$4,900	\$4,900	
<b>LCD Projectors</b> Four LCD projectors for use in field presentations.	4	\$1,070	\$4,280	\$4,280	
<b>Copier Lease</b> Based on a calculated cost for a copier lease of \$1400 per year.	3 years	\$1,400	\$4,200		\$4,200
<b>Postage</b> We anticipate spending \$10,000 in year 1 and \$5000 each in years 2 and 3.	3 years	\$20,000	\$20,000	\$20,000	
<b>Laptops</b> The cost includes the laptop, docking station, monitor, and other desktop devices.	3	\$3,190	\$9,570	\$9,570	
<b>Total Supplies</b>			<b>\$71,050</b>	<b>\$61,450</b>	<b>\$9,600</b>
<b>f. Contractual</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>
<b>Website Development and Maintenance</b> 750 hours for the 1st year; 500 hrs./year for years 2 and 3; average hourly rate is \$80	1,750 hours	\$80	\$140,000	\$140,000	\$0
<b>Data Collection</b> 1500 hrs./year for 2 years; average hourly rate is \$85	3,000 hours	\$85	\$255,000	\$255,000	\$0
<b>SCIP Consultant</b> Engage a consultant to assist Ohio with integrating PSBN information into the state's SCIP. Only PSBN activity relative to the SCIP will be funded. Rate is \$120/hour and we anticipate 250 hours	250 hours	\$120	\$30,000	\$30,000	\$0
<b>MOU/MOA Consultant</b> Engage a consultant to develop appropriate MOUs/MOAs with stakeholders throughout the state. Anticipate approximately 300 hours at a rate of \$120/hour.	300 hours	\$120	\$36,000	\$36,000	\$0
<b>Training Consultant</b> Estimated time to complete is 400 hours at a rate of \$120/hour.	400 hours	\$120	\$48,000	\$48,000	
<b>Total Contractual</b>			<b>\$ 509,000</b>	<b>\$ 509,000</b>	<b>\$0</b>
<b>g. Construction</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>
N/A			\$0		
<b>Total Construction</b>			<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>h. Other</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>
<b>Phase 2 Placeholder</b> Per the instructions, we can put a Phase 2 placeholder in this category.	N/A	\$2,360,008	\$2,360,008	\$1,697,895	\$ 662,113

<b>Office Space</b> This is calculated at a rate of \$168/squarefoot/year (\$14/sq.ft./month). The total space is 190 square feet. (\$168 * 190 * 3 years)	190 Square Feet	\$504	\$95,760	\$95,760	
<b>Printing</b> This is for printing not completed within the office, such as informational brochures, coverage maps, and other planning material. Other state projects have been have experienced similar printing costs. (See Budget Narrative for more detail.)	1	\$40,000	\$40,000	\$40,000	
<b>Cell Phones</b> Cell phones are approximately \$50/month for three people for 3 years.	36 months	\$150	\$5,400	\$5,400	
<b>Data Access</b> This is for access to the data network. This is calculated at a cost of \$125/month for three years.	36 months	\$125	\$4,500		\$4,500
<b>Telephones Charges</b> Based on the cost of three telephone lines at \$103/month over the three year period.	36 months	\$309	\$11,124		\$11,124
<b>Communications Access</b> The monthly fee for operating the radios (line item above) is \$20/radio/month. The costs shown are for three radios, one for each PSBN project employee.	36 months	\$60	\$2,160		\$2,160
<b>Meeting Attendance Time</b> 22 PSBN subcommittee representatives will attend 12 meetings per year for 3 years (total of 36 meetings); each meeting will be 2 hours long (22 rep./meeting x 36 meetings x 2 hr./meeting = 1584 hours). The average value of the representatives' time is \$38/hour, <b>excluding fringe benefits and overhead costs.</b>	1584	\$38	\$60,192		\$60,192
<b>Total Other</b>			<b>\$2,579,144</b>	<b>\$1,839,055</b>	<b>\$740,089</b>
<b>Total Direct Charges</b>			<b>\$4,548,363</b>	<b>\$3,638,690</b>	<b>\$909,673</b>
<b>i. Indirect Costs</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>
N/A	\$0	0%	\$0	\$0	\$0
<b>Total Indirect</b>			<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>TOTALS</b>			<b>\$4,548,363</b>	<b>\$3,638,690</b>	<b>\$909,673</b>

## State and Local Implementation Grant Program Ohio Budget Narrative

### *Personnel*

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Federal:	\$775,816
Non-Federal:	\$104,783
Total:	\$880,599

See the Detailed Budget Spreadsheet for calculations.

- **SWIC (Non-Federal):** The SWIC will be the primary point of contact for consultation with FirstNet, and will work to expand the State's governance structure. The budgeted costs (30% time) are only for the duties associated with public safety broadband and the SLIGP grant, not the additional land mobile radio and general interoperable communication duties of the SWIC. All of this expense will be provided as an in-kind match. The source of this match is the Ohio's general fund and is not from another Federal source.
- **Project Manager (Federal):** This person will oversee all SLIGP and NPSB activities. They will establish Ohio's NPSB mission and provide oversight and overall management of the program. This person will work collaboratively with the SWIC and ensure all activities are completed on time and within budget. The budget analyst and the outreach coordinator will report to this position. They will spend 100% of their time on SLIGP grant activities.
- **Budget Analyst (Federal):** This person will provide grant management support, including completing progress reports, managing the project's budget, and ensuring grant activities are completed on time. They will spend 100% of their time on SLIGP grant activities.
- **Outreach Coordinator (Federal):** This person will organize meetings with local jurisdictions and communicate information about grant activities to key stakeholders. This position will spend 100% of their time on SLIGP grant activities.
- **Grant Preparation Costs:** The grant preparation for Ohio was conducted by state employees and thus those employees were compensated using state funds. We used a rate of \$53/hour for the allotted 10 hours of grant preparation time.

### *Fringe*

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Federal:	\$310,326
Non-Federal:	\$41,701
Total:	\$352,027

See the Detailed Budget Spreadsheet for calculations

- SWIC (Non-Federal): Benefits include FICA, unemployment, and retirement. This position spends 30% of the time on SLIGP, so 30% of the fringe benefits have been allocated to this grant. 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.
- Project Manager (Federal): Benefits include FICA, unemployment, and retirement. This position spends 100% of their time on SLIGP, so all fringe benefits have been allocated to this grant.
- Budget Analyst (Federal): Benefits include FICA, unemployment, and retirement. This position spends 100% of their time on SLIGP, so all fringe benefits have been allocated to this grant.
- Outreach Coordinator (Federal): Benefits include FICA, unemployment, and retirement. This position spends 100% of their time on SLIGP, so all fringe benefits have been allocated to this grant.

## Travel

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Federal:	\$143,043
Non-Federal:	\$13,500
Total:	\$156,543

See the Detailed Budget Spreadsheet for calculations

- Mileage for Working Group Meetings (Federal): Staff members will drive to various locations across the state to participate in meetings with local jurisdictions to raise awareness of the PSBN, discuss local needs, and identify potential network users.
- Travel for Regional and National Meetings with FirstNet (Federal): Staff will attend national and regional conferences to meet with FirstNet and share information and collaborate with other grant recipients. Travel costs include airfare, hotel, ground transportation, and per diem.
- Pre-Award Travel Expense: Travel associated with PSBN activities in June 2013, prior to the grant award. Travel to the NGA conference in St. Louis: 8 people to St. Louis for a total of 8 trips at \$780/person/trip.
- For all conference travel, we will allocate expenses to SLIGP as appropriate.
- In the "Mileage for Workgroup Meetings" category, members of the PSBN subcommittee travel from various locations throughout the state. Some are local and travel less than 10 miles while others travel over 250 miles round trip. Based on subcommittee members' current locations, we calculated the average travel per person is approximately 120 miles round trip.

- Motor Vehicle Expense (Non-Federal) includes the costs to operate state vehicles that are not part of the mileage calculation under travel. PSBN project staff will have access to state vehicles for daily use. Since a mileage calculation was used (in Travel) only for trips to meetings, etc., this did not take into account miscellaneous travel in a state vehicle in close proximity to the PSBN project offices. This calculation (\$4500/year) is based on input from the state agency that manages the state's vehicle fleet. This item will be provided as a cash match contribution from the State's general fund and is not from another Federal source. The state invoices agencies \$36 per day and \$.16 per mile for these vehicles. We estimate using these vehicles 100 days per year for a total of 5625 miles to conduct education and outreach (\$36/day X 100 days = \$3600. 5625 miles per year X 16 cents/mile = \$900), \$3600 + \$900 = \$4500 per year in vehicle costs.)

### Equipment

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

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

### Supplies

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Federal:	\$61,450
Non-Federal:	\$9,600
Total:	\$71,050

See the Detailed Budget Spreadsheet for calculations

- Printer (Federal): A printer will be purchased for the Grant Manager and Outreach Coordinator to support their grant-related activities.
- Office Supplies (Non-Federal): This includes paper, folders, pens, and other general office supplies which will be used by the PSBN project staff for grant-related activities. This item will be provided as a cash match contribution from the State's general fund and is not from another Federal source.
- Office Furniture (Federal) costs are for desks, chairs, credenzas and other office furniture for the three PSBN staff. It also includes modular partitions to separate workspaces. This is based on the furniture and partitioning costing approximately \$2600 per person for three people plus the installation of the furniture and the partitioning (at \$5000 total).

- Apple iPads (Federal) will be provided to all PSBN project employees for coordination of communications and for presentation purposes. These devices will be used for official purposes only and will be connected to the state's data network. We propose purchasing 5 of these devices at a cost of \$990 each for a total cost of \$4950.
- SmartBoard Presentation Board (Federal) will be used in Ohio's PSBN offices for planning and presentation purposes. When working with PSBN employees and contractors, this device will help streamline communications and facilitate outreach and other program development. We anticipate needing one board at an estimated price of \$4900 for acquisition and installation.
- LCD Projectors (Federal) will be used in the office and in the field when developing and presenting programs associated with the outreach efforts of the program, We anticipate needing 4 projectors because we will be conducting simultaneous programs at various locations around the state. We anticipate the cost of each projector to be \$1070 for a total cost of \$4280.
- Copier Lease (Non-Federal) is based on the state's "Cost-Per-Copy" program. State offices acquire copier services from the state at a cost-per-copy rate, which equates to a lease amount. Currently that rate is \$.07/copy. Estimating 20,000 copies per year equals a lease rate of \$1400 per year. This item will be provided as a cash match contribution from the State's general fund and is not from another Federal source.
- Postage costs (Federal) will be used to cover mailings to stakeholders throughout the state. We anticipate approximately half of the postage costs will occur in the first year, with the second and third years being about equal. Overall we anticipate spending \$20,000 on postage.
- Laptops (Federal): The State will purchase new laptops for the PSBN project staff for use while on travel and for conducting other grant-related work. These devices will also serve as the desktop computer for PSBN staff. This cost includes the equipment necessary to use in an office environment (docking station, external monitor, keyboard, mouse, etc.)

### *Contractual*

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Federal:	\$509,000
Non-Federal:	\$509,000
Total:	\$0

See the Detailed Budget Spreadsheet for calculations

- Website Development and Maintenance (Federal): The State will contract with a website development firm to create and maintain a website for the purpose of public awareness

conversation with NTIA officials we were told to anticipate approximately one-half of the grant funding for phase 2 activities.

- Office Space: Defined, separate office space in the SIEC area for PSBN staff and activities. The space is in a state building and the cost of the space is set by the state. The cost is calculated at a rate of \$168/squarefoot/year (\$14/sq.ft./month). The total space is 190 square feet. (\$168 \* 190 \* 3 years)
- Printing (Federal): As part of the State's education and outreach activities, we plan to produce fliers that provide information on the PSBN and how it can be used by various public safety entities. We plan to print copies and distribute them at meetings with local and tribal jurisdictions. Printing costs (Federal) are for informational and planning material for all of the planning meetings (nearly 400 meetings and planning sessions) over the 3-year period. Other state printing projects have experienced similar printing costs.
- Meeting Attendance Time (Non-Federal): We will hold SLIGP governance body meetings every month (twelve times per year) for the award period. These meetings are attended by PSBN subcommittee representatives and representatives of local jurisdictions. The PSBN subcommittee members will donate the time their staff spends to participate in these meetings as an in-kind match.
- Cell Phones (Federal) are required because PSBN staff are working a significant part of the time out of the office. The rate of \$50/month is average for monthly cellular service.
- Telephone Charges (Non-Federal) are based on the fee charged for office telephone service. This item will be provided as a cash match contribution from the State's general fund and is not from another Federal source.
- Communications Access (Non-Federal) is for the monthly fee for the radios proposed above. The fee is \$20/radio/month for three PSBN project employees over the three year period. This item will be provided as a cash match contribution from the State's general fund and is not from another Federal source.
- Data Access (Non-Federal) is a fee for connecting computers to the state's data network, and for wireless access to a data network while working in the field. This is calculated to be \$125 per month for the three year period. Data access is necessary both in the office and in the field to enhance the productivity of the employees. This item will be provided as a cash match contribution from the State's general fund and is not from another Federal source.

The value of the representatives' time is based on an average hourly rate excluding fringe benefits and overhead costs. Ohio has discussed this time donation with each jurisdiction and will obtain letters of support from each jurisdiction indicating their pledge to provide this time donation and their understanding of documentation the State will maintain to support the time donations (e.g., salary information for the representatives). The State will establish appropriate procedures to track these time donations in the State's accounting system.

*Indirect*

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

- Ohio does not intend to use an indirect cost rate for this grant.

**TOTALS**

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<b>Federal:</b>	<b>\$3,638,690</b>
<b>Non-Federal:</b>	<b>\$909,673</b>
<b>Total:</b>	<b>\$4,548,363</b>

## 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>Steve Boudinot</p>	<p>* TITLE</p> <p>SIEC Administrator, Program Manager</p>
<p>* APPLICANT ORGANIZATION</p> <p>State of Ohio, Department of Administrative Services, OIT</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.**

**\* NAME OF APPLICANT**

State of Ohio, Department of Administrative Services, OIT

**\* AWARD NUMBER**

11.549

**\* PROJECT NAME**

State and Local Implementation Grant Program (SLIGP)

Prefix:  \* First Name:  Middle Name:

\* Last Name:  Suffix:

\* Title:

\* SIGNATURE:

\* DATE:



**JOHN R. KASICH**  
GOVERNOR  
STATE OF OHIO

**Executive Order 2012-07K**

Establishing the Statewide Interoperability Executive Committee

**WHEREAS**, the State of Ohio recognizes that one of its most important responsibilities and profound duties is to provide for the safety and security of its citizens.

**WHEREAS**, the State of Ohio must constantly be prepared to immediately respond to all disasters, whether natural or man-made.

**WHEREAS**, in the event of a disaster or emergency, government agencies and emergency responders at all levels must be able to communicate effectively to ensure the most efficient and immediate usage of resources and emergency services.

**WHEREAS**, the U.S. Department of Homeland Security, Office of Emergency Communications has established national standards for wireless voice and data communications and published those standards in the National Emergency Communications Plan.

**WHEREAS**, for Ohio to be eligible for federal funding in support of the National Emergency Communications Plan and the proposed Nationwide Public Safety Interoperable Wireless Broadband Network Initiative, there must be a single point of contact and a single coordinated effort.

**WHEREAS**, this single point of contact and coordinated effort that focuses on technology, coordination, governance, planning, usage, training, and exercises is essential to strengthen public safety communications capabilities statewide.

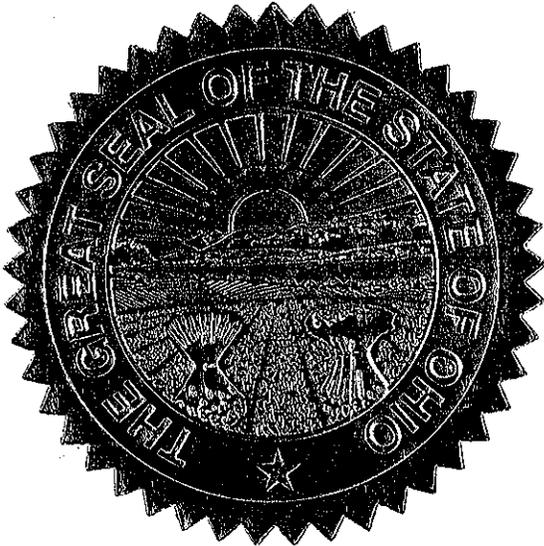
**NOW THEREFORE**, I, John R. Kasich, Governor of the State of Ohio, by virtue of the authority vested in me by the Constitution and the laws of this State, do hereby order and direct that:

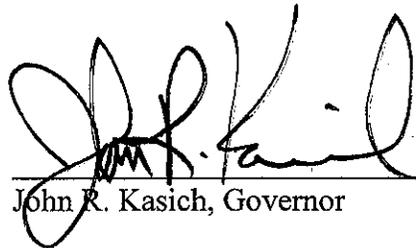
1. The Ohio Statewide Interoperability Executive Committee (SIEC) is hereby created in order to address concerns relating to operability and interoperability of local, regional, and statewide public safety voice and data communications systems, to plan for the long-term efficient implementation and operation of interconnected public safety communications systems, to improve overall public safety communications interoperability in Ohio.
2. The SIEC shall consist of a representative from each of the entities listed in Appendix A, attached hereto.

The SIEC shall regularly report to the Directors of the Department of Public Safety and the Department of Administrative Services, and is authorized to:

- a. Develop policy recommendations related to comprehensive public safety communications systems, processes, and operations throughout the state.
  - b. Create and implement comprehensive strategies to develop, sustain, and improve public safety communications technologies at the local, regional, and statewide levels.
  - c. Coordinate the implementation of such comprehensive state strategies with state, regional, and local government partners, first responders, non-government organizations, the private sector, and experts within academia and research communities.
  - d. Be responsible for the coordination and implementation of national communications plans and policies at the state level, including, but not limited to, the National Emergency Communications Plan and the proposed Nationwide Public Safety Interoperable Wireless Broadband Network.
  - e. Be the single point of contact with federal communications entities for the State of Ohio.
  - f. Evaluate the feasibility and effectiveness of implementing and funding specific priorities of state, regional, and local communications efforts in coordination with national communications priorities and funding initiatives.
  - g. Review and evaluate existing and emerging issues that relate to statewide, regional, and local public safety communications matters.
3. All state departments, agencies, boards, commissions, and officers shall cooperate and provide any necessary assistance requested by the SIEC, or any duly authorized member or representative thereof, in the performance of its duties.

I signed this Executive Order on April 18, 2012 in Columbus, Ohio and it will not expire unless it is rescinded.



  
John R. Kasich, Governor

ATTEST:

\_\_\_\_\_  
Jon Husted, Secretary of State

## Appendix A

### Ohio Statewide Interoperability Executive Committee

The Ohio Department of Public Safety  
The Buckeye State Sheriff's Association  
The Ohio Office of Information Technology  
The Ohio Emergency Management Agency  
The Ohio Emergency Medical Services Board  
The Ohio Office of Homeland Security  
The Ohio State Highway Patrol  
The Ohio Association of Chiefs of Police  
The Ohio State Fire Marshal  
The Ohio Association of Fire Chiefs  
The Ohio Department of Natural Resources  
The Ohio Department of Rehabilitation and Correction  
The Ohio Department of Health  
The Ohio County Commissioners Association  
The Ohio Township Trustees Association  
The Emergency Management Association of Ohio  
The Ohio National Guard  
The Ohio Chapter of the Association of Public Safety Communications Officials  
The Ohio Bureau of Criminal Identification & Investigation  
The Chairman of the FCC Region 33 Planning Committee  
The Ohio Office of Criminal Justice Services  
The Ohio Department of Youth Services  
The Ohio Board of Regents  
The Ohio Hospitals Association  
Representative from Ohio's Electrical Service Providers  
The Ohio Municipal League  
Representative from each UASI area: Franklin County/Columbus, Wood County/Toledo, Cuyahoga County/Cleveland, Hamilton County/Cincinnati, Southeast Indiana, Northern Kentucky  
Representative from a mid-size city radio system  
Representative from a mid-size county radio system  
Representative from each of the eight Homeland Security Interoperable Communications Committees