

Application for Federal Assistance SF-424		Version 02	
* 1. Type of Submission: <input type="checkbox"/> Preapplication <input type="checkbox"/> Application <input checked="" type="checkbox"/> Changed/Corrected Application		* 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	* If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify) <input type="text"/>
* 3. Date Received: Completed by Grants.gov upon submission.	4. Applicant Identifier: <input type="text"/>		
5a. Federal Entity Identifier: <input type="text"/>	* 5b. Federal Award Identifier: <input type="text"/>		
State Use Only:			
6. Date Received by State: <input type="text"/>	7. State Application Identifier: <input type="text"/>		
8. APPLICANT INFORMATION:			
* a. Legal Name: Massachusetts Executive Office of Public Safety and Security			
* b. Employer/Taxpayer Identification Number (EIN/TIN): 04-6002284		* c. Organizational DUNS: 8248486420000	
d. Address:			
* Street1:	10 Park Plaza		
Street2:	Suite 3720		
* City:	Boston		
County:	<input type="text"/>		
* State:	MA: Massachusetts		
Province:	<input type="text"/>		
* Country:	USA: UNITED STATES		
* Zip / Postal Code:	02116		
e. Organizational Unit:			
Department Name: Office of Grants and Research		Division Name: Homeland Security	
f. Name and contact information of person to be contacted on matters involving this application:			
Prefix:	Ms.	* First Name:	Victoria
Middle Name:	<input type="text"/>		
* Last Name:	Grafflin		
Suffix:	<input type="text"/>		
Title: Director, Homeland Security Division			
Organizational Affiliation: Executive Office of Public Safety & Security			
* Telephone Number: 617-725-3378		Fax Number: 617-725-0260	
* Email: vitoria.grafflin@state.ma.us			

Application for Federal Assistance SF-424

Version 02

9. Type of Applicant 1: Select Applicant Type:

A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

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

National Telecommunications and Information Admini

11. Catalog of Federal Domestic Assistance Number:

11.549

CFDA Title:

State and Local Implementation Grant Program

*** 12. Funding Opportunity Number:**

2013-NTIA-SLIGP-01

* Title:

State and Local Implementation Grant Program (SLIGP)

13. Competition Identification Number:

2013-NTIA-SLIGP-01

Title:

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

Statewide

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

Massachusetts Statewide Public Safety Broadband Planning Project

Attach supporting documents as specified in agency instructions.

Application for Federal Assistance SF-424

Version 02

16. Congressional Districts Of:

* a. Applicant

* b. Program/Project

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

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:

* a. Start Date:

* b. End Date:

18. Estimated Funding (\$):

* a. Federal	<input type="text" value="2,162,120.00"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="540,530.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="2,702,650.00"/>

* 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:

 8/14/13



Commonwealth of Massachusetts
State and Local Implementation Grant Program
Revised Supplemental Application Narrative
Federal Funding Opportunity Number: 2013-NTIA-SLIGP-01
INCLUDES REQUEST FOR CLARIFICATION UPDATES

May 14, 2013

Curtis M. Wood
Undersecretary Forensic Science & Technology/Secretariat Chief Information Officer
Massachusetts Executive Office of Public Safety & Security
Commonwealth of Massachusetts
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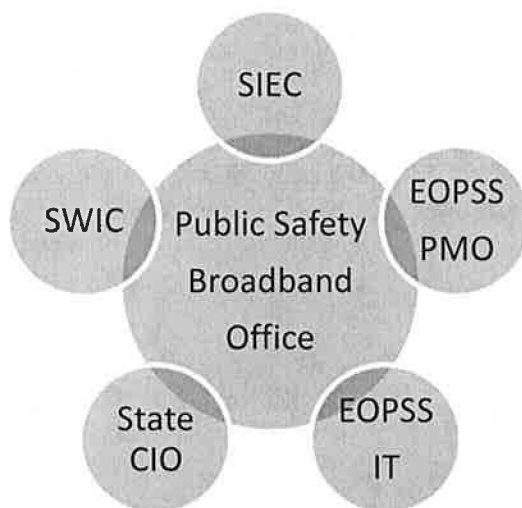
3 Supplemental Application Narrative

3.1 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 Commonwealth of Massachusetts Executive Office of Public Safety and Security (EOPSS) established the Public Safety Broadband Office (PSBO) to lead the Commonwealth in its efforts regarding public safety broadband communications, including the nationwide PSBN. The leadership team includes EOPSS Undersecretary for Forensic Science and Technology/ Secretariat Chief Information Officer, Curtis Wood, the Commonwealth's Chief Information Officer, John Letchford, the Statewide Interoperability Coordinator, Steve Staffier, along with an experienced project management and technical team. The PSBO and Undersecretary Wood have been designated as the Single Point of Contact (SPOC) and coordinator of the implementation of the grant funds and coordination with FirstNet.

Through direct interaction with the SIEC and direct contact with all relevant stakeholders, the PSBO will ensure participation of the full range of public safety disciplines as well as all of the geographic regions of the Commonwealth. The SIEC was formed in 2007 by the Governor of Massachusetts under Executive Order 493, to ensure the full and fair representation of all the relevant stakeholders in public safety communications.



The SIEC serves as an advisory body to the Secretary of Public Safety and Security. Resulting from the charter of the SIEC was the formation of the Executive Management Committee (EMC), a smaller working-group of the SIEC that meets monthly and focuses on establishing interoperability guidelines, standards, protocols

and reviewing funding proposals related to interoperable communications equipment and programs. The EMC has three sub-committees: Data, Radio Frequency and Policies and Programs.

The SIEC, its committees, subcommittees, and working groups provide an effective governance structure for overseeing investments in communications interoperability and information sharing. This body will continue to play a central role in the planning and outreach efforts of the Massachusetts Public Safety Broadband Office by providing an existing framework for reaching stakeholders and disseminating statewide standards, guidelines and best practices.

State Interoperability Executive Committee (SIEC)				
Executive Order Representative	Representative	Primary Voting Member	Alternate Voting Member	Organization
Secretary of the Executive Office of Public Safety and Security	Andrea J. Cabral	Kurt Schwartz	Jennifer Ball	EOPSS
Secretary of Transportation and Public Works	Richard A. Davey	Randy Clarke	Michael Turcotte	MassDOT
Secretary of Energy and Environmental Affairs	Richard K. Sullivan Jr.	Kevin Tucker	Vacant	DCR
Commissioner of Public Health	Lauren Smith, MD Interim Commissione	Mary Clark	Dana Ohannessian	DPH
Commonwealth Chief Information Officer	John Letchford	John Kratman	Jason Snyder	ITD
Commissioner, Department of Criminal Justice Information	James Slater	James Slater	Sean Hughes	DCJIS
State 911 Department	Frank Pozniak	Frank Pozniak	Tom Ashe	State 911 Dept.
Director, Massachusetts Emergency Management	Kurt Schwartz	Michael Kass	Steve Staffier	MEMA
Adjutant General of the Massachusetts National Guard	Major General L Scott Rice	LTC Rich Berthao	LTC Martin Spellacy	MANG
Secretary, Massachusetts Office of Business Development	Gregory Bialecki	Gregory Bialecki	Adam Forkner	MOBD
Chair, Western Massachusetts Homeland Security Council	Major Thomas Grady	Melissa Nazzaro	John Taylor	WMHSR
Chair, Central Massachusetts Homeland Security Council	Ed McNamara	Dave Clemons	Jim Barclay	CMHSR
Chair, Northeastern Massachusetts	Leo Sacco	Ed Kelly	Christopher Ryan	NEMHSR
Chair, Southeast Massachusetts Homeland Security Council	Mary Lyons	Richard Wells	Tim Gover	SEMHSR

Chair, Metro Boston Homeland Security Region (Urban)	Rene Fielding	Donald Denning	Gerald Reardon	MBHSR
Colonel of the Massachusetts State Police	Colonel Timothy Alben		Blair Sutherland	MSP
State Fire Marshal	Stephen Coan	Peter Ostroskey	David Houghton	DFS
Massachusetts Chiefs of Police Association	James Hicks	James Hicks	Ken Walsh	Natick PD Wenham PD
Massachusetts Fire Chiefs Association	Mario A. Orangio	Gerald Reardon	Paul Zbikowski	Cambridge FD Ashburnham
Massachusetts Municipal Association		Vacant	Vacant	
Local Emergency Service Providers		Edward McNamara	Vacant	Emergency Medical
Local Health Officials		Chris Montiverdi	Vacant	Worcester Communications
Local Transportation Agencies		Peter Sellers	Vacant	Framingham DPW
Local Emergency Management Agencies		Robert Hassett	Vacant	Springfield EMA
Public Safety Dispatch Communications		Warren Gould	Stephan Hooke	MCSA
Non-Governmental Charitable Organizations		Vacant	Ed Emco	Amateur Radio Relay
State Legislators		Vacant	Vacant	
Tribal Government		Vacant	Vacant	
Relevant Federal Agencies		Vacant	Richard Andreano	DHS-OEC

SIEC Executive Management Committee		
Charter Position	Primary	Alternate
SIEC Chair	Kurt Schwartz	Jennifer Ball
Western Region	Melissa Nazarro	John Taylor
Southeast Region	Richard Wells	Tim Gover
Central Region	David Clemons	Jim Barclay
Northeast Region	Ed Kelly	Christopher Ryan
Metro Boston-UASI	Donald Denning	Gerald Reardon
Data Communications Committee- Chair	Curt Wood	Sean Hughes
Radio Frequency Communications Committee	Blair Sutherland	Vacant
Policies and Programs Committee- Chair	Steve Staffier	Vacant

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

The SIEC is tasked with developing recommendations for policy and guidelines, identifying appropriate technology and standards, and coordinating intergovernmental resources to facilitate statewide, interoperable public safety communications. Through a formal voting process, the SIEC presents its findings to the Secretary of Public Safety and Security, regarding public safety communications. The office of the Secretary is responsible for securing funding for projects and/or administering grant funds. Implementation may vary based on local, regional, or statewide nature of individual projects.

- 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 Public Safety Broadband Office (PSBO) will coordinate the implementation of the PSBN in Massachusetts. This office is specifically charged with this task and will be staffed accordingly.

The PSBO staff will include executive leadership, project management, education and outreach, legal and policy analysts, as well as technical experts.

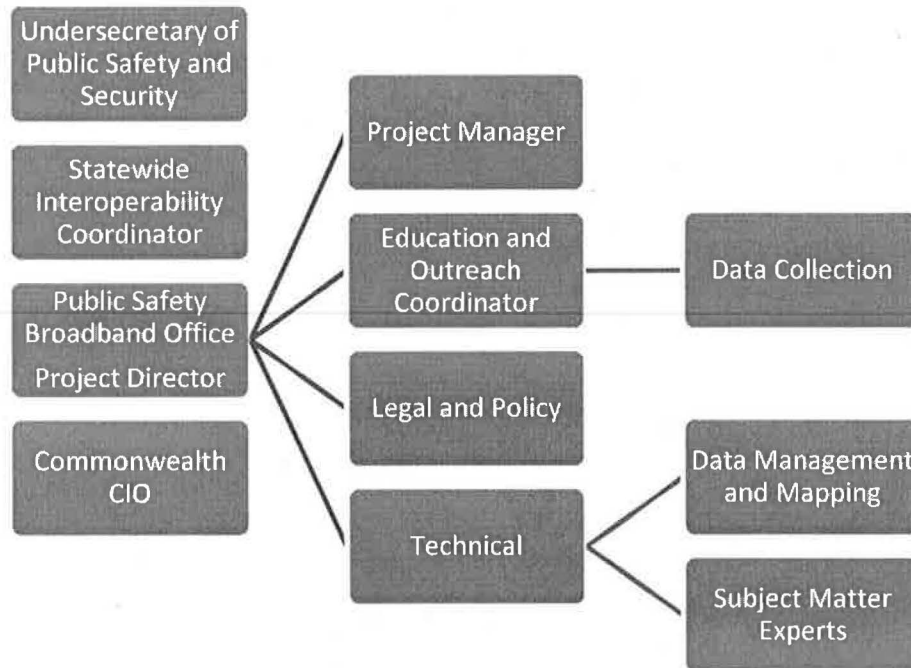


Figure 1 – Public Safety Broadband Office Organizational Chart

While the PSBO will serve to coordinate the activities associated with the planning and implementation of the PSBN in Massachusetts, the SIEC will provide a statewide governance structure and framework for ensuring that all of the stakeholders are informed and engaged and that statewide policies, procedures, and best practices are incorporated into the PSBO in planning and communication activities.

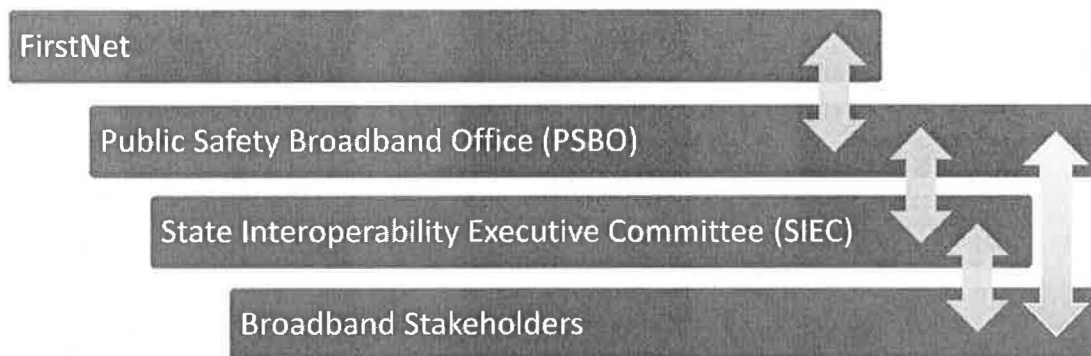


Figure 2 – Public Safety Broadband Office Communications

- 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?

Although the PSBO and SIEC have highly experienced public safety communications professionals, it is anticipated that additional subject matter expertise in wireless

broadband and LTE technology will be required. This expertise is proposed in the project budget through the Senior Broadband Architect and the Specialized Subject Matter Consulting costs. Discussion is also under way to consider adding representatives from the LTE industry in an advisory capacity.

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

The Commonwealth of Massachusetts intends to use the SLIGP grant funds to fully staff the PSBO, which will be responsible for carrying out the activities under the SLIGP. The Commonwealth's SIEC will be maintained through alternative funding sources.

The Commonwealth is requesting the full amount allocated to it under the 2013-NTIA-SLIGP-01 Federal Funding Opportunity (\$2,162,120). Together with the state match of \$540,530 these funds will support:

- Full time staff of the PSBO
 - Project management
 - Education and outreach
 - Data collection, management and mapping
 - Public safety communications and broadband technical specialists
 - Legal and policy specialists
- PSBO Activities
 - Expansion of existing governance structures to accommodate consultation with FirstNet and facilitate the state's involvement in the establishment of the PSBN.
 - Develop procedures and facilitate representation and participation with Commonwealth stakeholders
 - Identify stakeholders and potential users of the PSBN
 - Develop Memorandum of Agreements and state policies regarding the use of public and private infrastructure
 - Prepare staffing plans for data collection
 - Update of the Statewide Communications Interoperability Plan (SCIP)

3.2 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?*

In 2007 the Commonwealth adopted its comprehensive 5-year Statewide Communications Interoperability Plan (SCIP). While the needs and potential benefits for public safety wireless broadband are noted, the SCIP was developed prior to the current state of FCC spectrum allocation, LTE technology, and plans for the NPSBN.

Even though the current SCIP does contain strategic goals and initiative elements related to enhancing wireless public safety broadband, the majority of the plan however is focused on enhancing the Commonwealth's Land Mobile Radio (LMR) interoperability. The goals and initiatives of the 2007 SCIP have largely been met and the plan is now ready for a significant update.

As a result of the initiatives contained in the 2007 SCIP and further defined by the SIEC and the Statewide Interoperability Coordinator, the Commonwealth established goals that focused on Information Sharing and implementation of the statewide fiber optic backbone. The backbone was envisioned to include development of information sharing and command/ control requirements in the context of an overall Law Enforcement, Public Safety and Emergency Response architecture and the shared reliable and survivable broadband backbone necessary to support it.

As a benefit of receiving a Public Safety Interoperable Communications (PSIC) grant, combined with matching cash funds provided at the state level, the Commonwealth ultimately devoted over \$5.5 million toward the implementation of the state's first statewide public safety fiber optic backbone network and built the foundation for achieving the information-sharing goal envisioned in the SCIP.

- 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.*

Though briefings and discussions at SIEC meetings the state has actively engaged the public safety disciplines as well as the various geographic regions in planning activities for public safety broadband. Specifically, over the past year, the Chair of the SIEC data committee has kept stakeholders informed as to the progress of the Commonwealth's efforts to deploy public safety broadband services across the state, as well as providing updates to the body concerning National Public Safety Broadband efforts and more recently the establishment of FirstNet.

- 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.*

Massachusetts does intend to use SLIGP funds for updating the SCIP to fully incorporate public safety wireless broadband strategic goals and initiatives. Specifically, \$347,500 has been budgeted to hire a consulting firm that has experience developing SCIP's. The budget has been allocated for a significant initial update, followed by incremental updates as the project progresses into the second phase. Funds received under the SLIGP will only be utilized to update the SCIP with regards to public safety broadband and will not be used to update the land mobile radio (LMR) portions of the SCIP.

As part of its initiative to begin the SCIP update process, Massachusetts convened a Statewide Communication Interoperability Plan (SCIP) Implementation Workshop on August 28, 2012. Staff from the Department of Homeland Security- Office of Emergency Communications, the Massachusetts SWIC and EOPSS Undersecretary Curt Wood facilitated the workshop. Local, regional, state and federal stakeholders attended the workshop.

Massachusetts conducted the SCIP Implementation Workshop with a focus on strategic planning. It allowed participants from across the state to streamline their SCIP priorities by integrating planning best practices and lessons learned, as well developing a strategic narrative for broadband planning activities.

The participants at the workshop specifically identified broadband planning as a gap in the existing 2007 SCIP. Participants agreed to a vision of a unified voice and data platform statewide.

Some of the preliminary identified updated SCIP goals for Massachusetts that will directly relate to NPSBN include:

- Updated and refined SCIP Mission, Vision, and Goals
- Procure, integrate, and test equipment for emerging technologies
- Develop Massachusetts Public Safety Enterprise Information Architecture to share voice, video, and data
- Plan/integrate statewide backbone (voice and data)
- A streamlined SCIP to represent Massachusetts' emergency communication needs and align the SCIP to SAFECOM Interoperability Continuum, NECP, and emerging technologies

Initial activities of the workshop included a detailed review of the SCIP and identification and prioritization of needs. This was followed by discussion to determine if the 2007 SCIP initiatives reflect the current and future communications needs and prioritizing future goals.

With the benefit of the SLIGP grant resources, the Commonwealth will be able to continue and expand the SCIP update process. This will include conducting facilitated workshops, meetings and webinars that include multi-discipline public safety communications stakeholders statewide to further define the visions of the SCIP, identify and prioritize the goals and objectives, establish an implementation strategy for the updated 5-year plan and disseminate the final plan through the development and delivery of a series of outreach and education seminars.

3.3 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?*

Massachusetts has a full-time Statewide Interoperability Coordinator (SWIC). The SWIC will serve in a leadership role within the PSBO and actively participate in all planning and implementation efforts associated with the SLGP and subsequent implementation of the PSBN. The SWIC also serves within the SIEC.

- 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 Governor of the Commonwealth has designated the Executive Office of Public Safety and Security (EOPSS) as the principle entity with regards to all public safety network services and communications, including the state's participation in FirstNet. Notwithstanding, the state's Chief Information Officer is a member of the Statewide Interoperability Executive Committee (SIEC). The CIO interacts routinely with leadership of Executive Office of Public Safety and Security (EOPSS) on a wide range of issues including information technology strategic planning, procurement and management of assets. The Commonwealth's CIO maintains an executive seat within the PSBO and will actively participate in all activities associated with FirstNet planning and subsequent implementation.

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

As previously mentioned, EOPSS has been designated within the Commonwealth as the principle agency regarding all public safety network services and communications. EOPSS has direct oversight of the state's public safety agencies and well-established collaborative relationships to other state-level entities, and will solicit their input and leverage their expertise as needed. In addition to the wide range of public safety discipline and regional representation on the SIEC it should be noted the below listed agencies and entities will actively participate in the FirstNet planning process under SLIGP:

- Massachusetts State Police
- Massachusetts Emergency Management Agency
- Massachusetts Department of Criminal Justice Information Services
- Massachusetts Department of Fire Services
- Massachusetts Information Technology Division
- Massachusetts Broadband Institute
- Massachusetts Sheriff's Association
- Massachusetts Environmental Police

- Massachusetts Department of Conservation and Recreation
- Massachusetts Department of Transportation
- Massachusetts Port Authority
- Massachusetts Department of Telecommunications and Cable
- Massachusetts Department of Public Health/Office of Emergency Services
- Executive Office of Business Development
- Executive Office of Environmental Affairs
- Massachusetts Chiefs of Police Association
- Massachusetts Major Cities Chiefs of Police Association
- Massachusetts Fire Chiefs Association
- Massachusetts Municipal Association
- Massachusetts Hospital Association

The PSBO will also work with the two Commonwealth Broadband Technology Opportunities Program (BTOP) grant recipients. These two organizations, (Massachusetts Technology Collaborative (MTC)/Massachusetts Broadband Institute (MBI) and CapeNet are in the process of deploying significant network infrastructure that may be valuable to the deployment of the national public safety broadband network. MBI has also received funds for the NTIA's State Broadband Data and Development Grant, and has collected data that will be valuable to the project.

- 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 Commonwealth intends to use SLIGP funding to provide staffing for the PSBO for the three-year duration of the project. The Commonwealth is requesting the full amount allocated to it under the 2013-NTIA-SLIGP-01 Federal Funding Opportunity (\$2,162,120). Together with the state match of \$540,530 the total is \$2,702,650, of which approximately \$2.3 million is intended to support key staff positions as well as contract labor and consulting services. These staff positions and contracted services include:

- Program Director – Senior Manager in charge of the PSBO, including budget management.
- Project Manager – in charge of day to day activities of the PSBO
- Education and Outreach Coordinator – tasked with outreach to stakeholders, and planning regional meetings
- Senior Broadband Architect – responsible for developing, analyzing and conveying key technical information regarding the PSBN and supporting infrastructure
- Data Collection Coordinator (budgeted later in the project) – responsible for managing data collection tasks designated by the NTIA

- Data Collection Staff (budgeted later in the project) – responsible for collection of data from key stakeholders and infrastructure providers as needed.
- Small (10% or less) portions of existing employee salaries that will be dedicating time to the project. These include staff from State Police, CJIS, State 911 Department, EOPSS OTIS)
- GIS/Mapping Services – responsible for analyzing and presenting geographic data collected for the project
- Legal and Policy – responsible for establishing MOA’s and other legal and policy matters
- Consulting firm to update SCIP plan
- Specialized subject matter consulting (e.g. LTE Technology) as required
- Management and Administration of the grant – This is for the EOPSS Office of Grants and Research staff who will manage the administration of the SLIGP grant funding.

These staff and contract positions have been describe in the Detailed Budget Justification (Section 4).

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

To date, there have been informational meetings with several of the industry LTE providers and the PSBO through the Public Safety Chief Information Officer. Conversations continue with these providers and communication channels remain open. A relationship does exist between public safety officials and public utilities, but conversations specific to Broadband has not begun as yet. Relationships with tower owners are in place, but again, specific dialogue concerning public safety broadband has not begun. The PSBO will continue the conversation in a more formalized manner as the program begins in earnest this year.

Outreach to potential secondary users will begin over the next few months as FirstNet establishes guidelines. Initial plans include efforts to engage and develop relationships with local governments, utilities, carriers, community anchor institutions as well as other potential users and contributors to the system.

The Commonwealth is well positioned to perform this outreach through its existing relationships and its extensive local, tactical knowledge.

3.4 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?

The Commonwealth of Massachusetts consists of 351 cities and towns in 14 counties. County government's role is very limited within the Commonwealth.

- 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.*

The PSBO will engage local jurisdictions through the membership of the SIEC, which has strong representation from all of the local, regional and state jurisdictions within the Commonwealth. In particular, each of the five Massachusetts Homeland Security Planning Regions and Advisory Councils has a voting member on the SIEC, representing all the local jurisdictions and public safety/health disciplines.

In addition, the Massachusetts Police Chiefs Association, the Major City Chiefs of Police Association, Massachusetts Fire Chiefs Association, Massachusetts Municipal Association, and others that represent local jurisdictions and have positions on the SIEC. EOPSS and the PSBO also maintain a cooperative working relationship with the Massachusetts Sheriff's Association (Massachusetts Sheriffs are not first responders within the Commonwealth, but rather provide custodial and support services).

A detailed communications strategy will be developed and implemented by the PSBO to ensure information is provided to stakeholders as well as a formalized process is in place to solicit critical information and requirements are gathered from these stakeholders. A collaboration website, newsletters, informational meetings and conferences are examples of the types of communication strategies are planned.

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

The Commonwealth of Massachusetts has a strong track record of success in coordinating statewide initiatives. These include conducting statewide, regional and local workshops and conferences, statewide surveys for communications capabilities, statewide inventories for capacity planning, standing up collaboration web sites and portals, and coordinating state and national training exercises. The SIEC has served as an effective conduit for communication and coordination among stakeholders at all levels of government and will continue to work in this capacity.

Through its Office of Grants and Research (OGR) and in collaboration with sponsor agencies and stakeholders numerous statewide and regional planning and program implementations have occurred. Additionally, statewide law enforcement information and intelligence management systems and other critical public safety applications and services have been deployed over the last several years by EOPSS and its agencies.

The standard deployment model is coordinated through the EOPSS Information Technology Program Management Office, in which the office plans and communicates rollout details and logistics to stakeholders using a variety of communication strategies including, collaboration web sites, web-ex sessions, on-line training, on-site local and regional trainings and informational newsletters and bulletins. EOPSS maintains a strong commitment to communications and collaboration with its stakeholder community.

- 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?*

While Massachusetts has a well-established process for engaging regional representatives to effectively reach local jurisdictions, the challenge remains to ensure individual local entities are fully aware of state activities, and that the communications is two-way, to ensure the state is aware of local priorities and needs. Additionally, managing expectations of both local and state stakeholders is paramount to the success of these programs. The Commonwealth is planning to introduce and maintain a significant outreach effort for this project to establish a direct path for education, feedback, and data collection. Please see the section on Education and Outreach below.

3.5 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.*

The principle regional committees that are involved with public safety communications within the Commonwealth are the five Regional Homeland Security Councils, each of which has interoperable communications sub-committees. Also noted below are additional regional organizations that operate significant public safety communications systems.

Regional Organization	Description
Western Massachusetts Regional Homeland Security Council (WRHSAC)	WRHSAC is the designated regional planning entity for the four counties of Western Massachusetts: Berkshire, Franklin, Hampshire and Hampden.
Central Massachusetts Regional Homeland Security Council (CRHSAC)	(CRHSAC) is the designated regional planning entity for the Central Massachusetts region, which includes the City of Worcester and the surrounding 39 communities?
Northeastern Massachusetts Regional Homeland Security Advisory Council (NERAC)	NERAC is the designated regional planning entity for Northeast Massachusetts and includes 85 communities.

Southeast Massachusetts Regional Homeland Security Advisory Council (SRAC)	SRAC is the designated regional planning entity for Southeast Massachusetts and includes 96 municipalities.
Metro Boston Homeland Security Region (MBHSR)	The MBHSR is the UASI region covering the metro-Boston area (Boston, plus the surrounding 8 cities and towns).
Greater Boston Police Council (GBPC)	The GBPC is comprised of more than 300 member agencies from across New England. The "backbone" of the GBPC is the 153 police agencies who utilize the Boston Area Police Emergency Radio Network (BAPERNet)
Franklin Regional Council of Governments (FRCOG)	The Franklin County Emergency Communications System Oversight Committee continues to oversee construction and maintenance of a regional interoperable communications system linking police, fire, emergency medical services, and dispatch communications throughout and beyond the Franklin County region.
Western Massachusetts Law Enforcement Council (WMLEC)	WEMLEC operates public safety radio systems in the Western part of Massachusetts
Metro-Boston EMS Council Northeast EMS Southeastern Mass EMS Council Central Mass EMS Systems Corp. Western Mass EMS	The regional EMS Committees and Councils support and coordinate services and service providers for their regions. In many cases they operate regional communications systems for EMS operations.
Berkshire County Dispatch	Regional dispatch organization covering over two dozen, principally rural communities

Most of the regional organizations cited are committee's or councils that represent a specific region or discipline. While many of these organizations are represented directly or indirectly on the SIEC, the PSBO's outreach, education, and data collection activities will work directly with these and other organizations representing the potential users of the NPSBN.

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

Through participation in the interstate/international National Law Enforcement Telecommunications System (NLETS), a mature regional data-sharing program is in effect between State Police Fusion Centers in Massachusetts, Rhode Island and Vermont. This effort is the result of the NLETS Region A Working Group collaborating with the NLETS Network Operations Center (NOC) in Phoenix, AZ to establish this regional information-sharing program. Region A of NLETS continues to discuss and plan other regional data-sharing opportunities.

While the Commonwealth of Massachusetts is active in a number of regional committees, the most active in this area has been the "The New England 700Mhz Committee/Region 19". Its primary purpose is to foster cooperation, planning, and

development of regional plans and the implementation of these plans in the 700 MHz Public Safety spectrum, however many of the individuals involved in this group are taking leadership roles in public safety broadband in their respective states. The areas served by the committee are the states of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island and Connecticut.

The Commonwealth will look to work with the Regional Emergency Communications Coordination Working Group (RECCWG) for FEMA Region I, as well as other groups that may be established over time.

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

The Commonwealth maintains strong relationships with intrastate and interstate regional organizations and is committed to include them, where appropriate in our planning efforts. We will also look towards these organizations to see if they can offer technical expertise, governance models, infrastructure data, MOA examples, and anything else that will assist in these efforts. As Massachusetts planning efforts evolve we will explore regional opportunities and will formalize collaboration or partnerships if the situation presents itself.

- 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.*

None.

3.6 Tribal Nations

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

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

The Commonwealth of Massachusetts has two (2) federally recognized tribes (Mashpee Wampanoag Tribe and Wampanoag Tribe of Gay Head/Aquinnah).

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

description of that process.

The Commonwealth SIEC has a permanent position for Tribal Government, however due to the limited public safety functions of these tribal nations they have not assigned a formal representative. In the hopes of improving engagement, a formal letter will be sent by the PSBO to the appropriate Tribal leadership inviting their representation and participation at all planning activities. Recognizing the importance of their participation, meetings with key participants will be scheduled at the tribal locations to make taking part in this process more convenient. The Commonwealth may seek assistance from the Federal government on these matters, if requested by the tribal nation.

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

While they have permanent positions on the Commonwealth SIEC the Tribal Nations in Massachusetts are small and traditionally had relatively minor public safety function. Notwithstanding, the Emergency Management Director of the Mashpee Wampanoag Tribe occasionally attends the SIEC's Executive Management Committee and Policies and Programs Committee meetings. Also, representatives of the Undersecretary of Public Safety & Security have maintained a working relationship with Tribal leaders of the Wampanoag of Gay Head (Aquinnah).

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

Yes. The Emergency Management Director of the Mashpee Wampanoag Tribe regularly attends the SIEC's Executive Management Committee and Policies and Programs Committee meetings.

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

The Tribal Nations in Massachusetts are relatively small and traditionally had only minor public safety function. However, we are encouraged by this new level of tribal participation and will continue to build these relationships.

3.7 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.*

More than 50 percent of Massachusetts' cities and towns are considered rural. This represents nearly 60 percent of the land area. The following table shows the

specific data, based on 2010 census information.

Local Jurisdictions	Rural	Non-Rural
Cities and Towns	181	170
Land Area (sq. mi.)	4,621	3,219

The Commonwealth of Massachusetts Rural Services Commission adopted, the definition of “rural,” based on population density of fewer than 500 people per square mile, a definition presented in a study by the Center for Rural Massachusetts (“Rural Massachusetts: a Statistical Overview,” MacDougall and Campbell, 1995).

- 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.*

Through the State Broadband Data and Development (SBDD) grant program, Massachusetts collected and submitted data that was integrated into the National Broadband Map. With regards to wireless services, this information has been gathered from service providers, public surveys, and wireless drive studies.

In general terms, nearly all jurisdictions have some broadband service availability; however, coverage is very often “spotty,” particularly in rural areas. This is largely due to a) difficult/mountainous terrain, b) dense foliage, and c) insufficient economic incentive for carriers to deploy additional towers.

While data has not been specifically collected on LTE availability, it is well understood that initial deployments have focused on urban areas and along major highways. The SBDD program has established data collection with the wireless carriers, and under this SLIGP we would expect to gather this specific information.

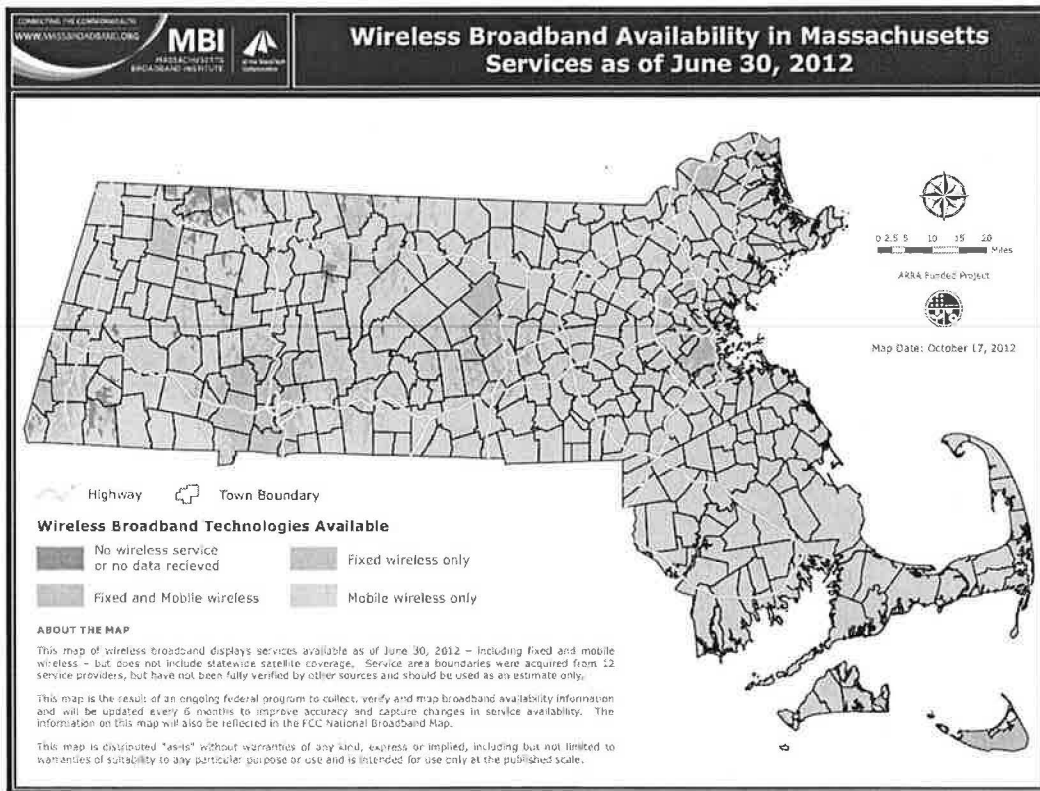


Figure 3 – Wireless Broadband Availability

- 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.*

Given that over 50 percent of the jurisdictions and 60 percent of the land area in Massachusetts is considered rural, coverage in these regions is considered a critical factor in a successful NPSBN. The Commonwealth of Massachusetts understands the statutory obligation to prioritize rural users in this process and has already started the planning process to ensure there is full participation from the rural areas and users within the state.

The Governor of Massachusetts has made a commitment to extend broadband Internet access throughout the state. To that end, the Commonwealth is the recipient of two NTIA Broadband Technology Opportunities Program (BTOP) grants. These two organizations (Massachusetts Technology Collaborative (MTC)-Massachusetts Broadband Institute (MBI) and CapeNet are both deploying middle mile fiber optic networks through substantial portions of the state that are primarily rural. A component of these projects is “fiber to the tower” and otherwise facilitating the future deployment of public safety wireless broadband.

The PSBO will prioritize and continue its collaboration with the MBI office as well as the public safety/health, community and political leadership in the areas

that are un-served or underserved in wireless communications.

The PSBO leadership will immediately convene and maintain a Working Group with rural first and secondary responders and community leaders to ensure full participation and input in broadband planning activities.

The project budget includes user group meetings, twice per year, in each of the Homeland Security Regions. Additional meetings in rural areas will be held as needed to ensure full participation by those users. Emphasis on outreach, education, and feedback from these underserved areas will be a priority of the PSBO.

3.8 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 Commonwealth of Massachusetts makes extensive use of the Communication Assets Survey and Mapping (CASM) tool. It serves as the basis for the Commonwealth to: (1) inventory and visually display first responder communications assets, (2) analyze existing interoperable communications pathways per the SAFECOM Interoperability Continuum, and (3) identify interoperable communications gaps between first responder agencies. It is a web-based tool an agency can populate with detailed, specific information about the communications infrastructure it uses. CASM presents a large volume of complex data in a form civil authorities use to make effective decisions for their community.

CASM makes communication assets and interoperability data available to users within the state, assisting participating public safety agencies in understanding the interoperability methods used by neighboring agencies – most importantly, it enables assessment of the state of interoperability in Massachusetts.

The Commonwealth also maintains a detailed inventory of fiber optic cable and conduit routes in GIS (Geographic Information Systems) databases.

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

The CASM tool is updated routinely by key individuals in state agencies and also connects to licensing databases maintained by the FCC. The fiber and conduit databases are updated as projects are completed and turned over to the Commonwealth.

3.9 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.*

Through Gubernatorial Executive Orders 510 and 532 the Commonwealth's information technology systems have been administratively consolidated to the secretariat level. This has resulted in all public safety networks falling under the Executive Office of Public Safety and Security (EOPSS), specifically under the Undersecretary for Forensic Science and Technology/ Secretariat Chief Information Officer, Curtis M. Wood. Undersecretary Wood is also the Chairman of the PSBO and his staff has established and implemented the standards for existing public safety networks within the Commonwealth.

EOPSS operates a statewide fiber optic backbone, the Department of Criminal Justice Information Services (DCJIS) network, that network reaches nearly every community in the Commonwealth, as well as several other networks for individual public safety agencies. EOPSS also operates analog and digital public safety land mobile radio (LMR) systems throughout the Commonwealth, including microwave and terrestrial backhaul networks.

The PSBO will be staffed by technical personnel who played key roles in the deployment of the major public safety networks within the Commonwealth. The PSBO will also have easy access to the staff that manage these networks and continually update requirements for security and resiliency.

- 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 Executive Office of Public Safety and Security (EOPSS) Office of Technology and Information Service (OTIS) maintain strong relationships with commercial carriers providing wireless data services within Massachusetts. Currently, the commercial carriers support thousands of law enforcement and other public safety wireless devices across the Commonwealth accessing the state's CJIS as well as other applications. EOPSS executives routinely meet with the commercial carriers to plan and manage network services including the areas referenced above. The PSBO will leverage the existing process to engage the senior management and engineering groups at these carriers to gather requirements regarding hardening, security, reliability, or resiliency.

3.10 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 principle means of identifying and confirming potential users of the NPSBN within Massachusetts will be via the input from the SIEC as well as other stakeholder direction from entities such as police, fire, emergency management and health services leadership and practitioners. These groups represent the key public safety disciplines, geographic regions, as well as many other potential users of the system that play some public safety role. Massachusetts has a long history and strong commitment and presence in providing and managing a mobile data environment, and is prepared to leverage existing resources, skills and experiences to support the NPSBN.

The greater challenge is identifying potential secondary users. As guidance on secondary users is provided from FirstNet, the PSBO will use its local expertise and tactical knowledge to identify potential governmental and non-governmental secondary users of the system. This may include other government agencies, community anchor institutions, public/private partnerships, or purely private entities that FirstNet may deem appropriate. The Commonwealth will reach out to secondary users directly or via professional associations, or in the case of private industry through the appropriate trade organizations. This outreach and education will include many of the same methods outlined in the next section (meetings, conferences, brochures, mailings, collaboration web sites, etc.).

3.11 Education and Outreach

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

Our education and outreach plan employs several tactics to proactively educate and train multi-discipline, public safety and other government users of the NPSBN. The project budget includes a dedicated “Education and Outreach Coordinator” to facilitate the plan. In addition to the requirements gathering activities, the program would include continued education regarding:

- FirstNet and the NPSBN Program
- LTE Technology
- Potential Uses and Applications of the NPSBN
- Differences between NPSBN and traditional LMR
- Findings and Developments in the SLIGP

- Rural Coverage or other Regional or User Group Specific Challenges
- Other Activities Directed by FirstNet

Regional Briefings, Meetings, and Training Sessions – Our budget includes two meetings per year in each of the five Homeland Security Planning Regions/Councils. Having the meetings in each region will ensure maximum attendance by focusing on regional concerns and minimize travel time for participants. These meetings may take the form of status briefings, training sessions, requirements gathering, or a combination of all.

Personal Contact or Smaller Group Meetings – individual and small group meetings with interested parties, in addition to regional meetings, will provide another valuable means of educating and training stakeholders. Focusing on educating key individuals or influential groups can empower them to further work with their constituents to further the goals of the project.

Internet Resources – Online tools will be utilized to educate stakeholders as well as to facilitate feedback and data collection. The project budget includes a collaboration web site to share information in both directions. Extensive use of email and online surveys are envisioned to enhance two-way communications with stakeholders.

Print and Visual Resources – Education and outreach materials will be produced as needed. Examples of these resources include:

- Brochures
- Direct mail training materials
- DVDs
- Fact Sheets
- Guides
- Handouts
- Information Packets
- Newsletters
- Surveys

3.12 Memorandum of Agreements

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

The most significant obstacle anticipated is the lack of government-owned infrastructure. Many of the tower sites throughout the Commonwealth are privately owned, and thus much consideration and planning will be necessary to incorporate this infrastructure into the NPSBN plan.

Another significant issue may surface in using infrastructure owned by non-state partners. In the Commonwealth of Massachusetts (as in many other states), cities and towns can often exercise power through their own legislative bodies. The proliferation of local legislation, city and town bylaws and ordinances, as well as pre-established local and regional Memorandum of Agreements (MOA) will need to be considered and managed. The various municipal City and Town structures (i.e. Selectmen, City Mayor, City Councils, et.) will need to be considered also. Through this process we will investigate if and how the state government can establish these MOA's to use locally owned infrastructure.

While challenging, these issues should not prevent Massachusetts from participating in the NPSBN. Legal services will be maintained within the PSBO to address and manage any legal impediments.

3.13 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?*

In addition to the Communication Assets Survey and Mapping Tool (CASM), the Commonwealth of Massachusetts has an extensive capability and suite of tools for Geographic Information Systems (GIS). These tools and GIS data sets have proven valuable in storing, managing, and presenting data for both wireless and wire line network infrastructure. A collaboration web site and project management software platforms will also be used.

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

No.

3.14 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.*

In Phase Two of the project the proposed budget continues the baseline activities of the first phase and adds data collection activities and additional subject matter expertise.

Activity	Phase 1	Phase 2
Expansion of governance structures to accommodate consultation with FirstNet	X	X
Develop procedures and facilitate representation and participation with stakeholders	X	X
Education and outreach	X	X
Identify stakeholders and potential users	X	X
Develop MOA's and associated policies	X	X
Prepare staffing plans for data collection	X	X
Update SCIP Plan	X	
Data collection		X
Mapping		X
Subject Matter Consulting (e.g. LTE Technology requirements)		X

3.15 Other

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

The Undersecretary of Public Safety & Security, members of the PSBO and the EOPSS Office of Grants and Research (OGR) prepared this grant application. Two members of the PSBO (Mike Saltzman and Sandy Bendremer) are contractors and are dedicated to the Commonwealth's Broadband Program.

2 Project Feasibility

2.1 Applicant Capacity, Knowledge, and Experience

The Commonwealth of Massachusetts Executive Office of Public Safety and Security (EOPSS) is the state's cabinet level public safety entity, overseeing budget and operations for the Commonwealth Public Safety Broadband Office (PSBO), Massachusetts State Police (MSP), Department of Criminal Justice Information Services (DCJIS), Massachusetts Emergency Management, Agency (MEMA), Department of Fire Services (DFS), State 911 Department (S911) and other critical public safety agencies – see www.mass.gov/eopss. EOPSS also works collaboratively with municipal, county, state and federal partners in areas of public safety and government administration by establishing and overseeing standards, providing training programs and state and federal grant administration.

EOPSS oversees the statewide law enforcement telecommunications network, public safety data center and Network Operations Center (NOC), providing municipal, county, state and federal law enforcement and justice organizations access to critical public safety data and communications interoperability. The network provides connectivity to more than 600 in-state law enforcement and justice agencies, supporting approximately 7,000 mobile devices across the state. This network also serves as the conduit to the National Law Enforcement Telecommunications System (NLETS) and the FBI CJIS Wide Area Network (WAN).

The Commonwealth's Public Safety Broadband Office oversees the implementation of public safety broadband across the state. Senior executives from the Public Safety Secretariat and the Office of the Commonwealth's Chief Information Officer lead the office. Additional personnel include the State Interoperability Coordinator (SWIC), senior management staff from the MSP, DCJIS, MEMA, DFS and State 911 Department. The Commonwealth's Statewide Interoperability Executive Committee (SIEC), which serves as an advisory body to the Secretary of Public Safety and Security in matters relating to interoperability and represents the multiple regions and disciplines across the state is integrated into the PSBO.

Recent engagements have included the building of the state's public safety interoperability backbone, a multi-jurisdiction project funded by a combination of Public Safety Interoperability Communications (PSIC) Grant and state matching funds. EOPSS also recently partnered with the Massachusetts Broadband Institute (MBI) and the Commonwealth's Information Technology Division (ITD) in building and deploying a broadband network across the western part of Massachusetts, connecting more than 300 public safety entities including police, fire, emergency management and Public Safety Answering Points (PSAPS) in 123 communities.

2.2 Staffing Plan

An experienced and knowledgeable executive with a long history of successful completion of projects, involving criminal justice information sharing, public safety communications, and broadband technology will lead the Broadband Office. The leadership team will be augmented

with individuals and service providers who will perform the specific activities required under the SLIGP. Unless otherwise noted, all of the individuals and positions outlined are planned and budgeted throughout the duration of the grant.

2.2.1 Leadership Team

Curtis M. Wood, Undersecretary, Massachusetts Executive Office of Public Safety & Security

John Letchford, Chief Information Officer, Commonwealth of Massachusetts

Steve Staffier, Statewide Interoperability Coordinator, Commonwealth of Massachusetts

Sean Hughes, Assistant Chief Information Officer, Massachusetts Executive Office of Public Safety & Security

Major Michael Saltzman (retired), Program Director, Commonwealth Public Safety Broadband Office

Sandy Bendremer, Senior Broadband Architect, Commonwealth Public Safety Broadband Office

2.2.2 Additional Staff

Project Manager – A dedicated SLIGP project manager will be assigned

Education and Outreach Coordinator – A dedicated Education and Outreach coordinator will be utilized to ensure complete and thorough participation by all of the relevant stakeholders.

Legal Services – The PSBO will be augmented by legal services to assist in the creation of MOA and other legal services as required under the SLIGP

SCIP Plan Consultant – Budget has been allocated for one or more consultants to update the SCIP plan to incorporate recent developments and strategic plans for broadband communications.

Data Collection Coordinator – (Phase 2) A Data Collection Coordinator is planned and budgeted for Phase 2, to lead efforts required by FirstNet for possible data collection activities.

Data Collection Staff – (Phase 2) Staff person to assist in data collection as required by FirstNet

GIS/Mapping Services – (Phase 2) Geographic Information Systems / Mapping analyst is planned for Phase 2.

Subject Matter Consulting – (Phase 2) Budget has been set aside for specialized subject matter consulting (e.g. LTE technology experts or propagation studies) that may be required to complete tasks yet to be defined by FirstNet

Please see the budget narrative for a comprehensive staffing plan.

BUDGET INFORMATION - Non-Construction Programs

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

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. State and Local Implementation Grant Program (SLIGP)	11.549	\$	\$	\$ 2,162,120.00	\$ 540,530.00	\$ 2,702,650.00
2.						
3.						
4.						
5. Totals		\$	\$	\$ 2,162,120.00	\$ 540,530.00	\$ 2,702,650.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	State and Local Implementation Grant Program (SLIGP)				
a. Personnel	\$ 107,658.00	\$ 124,500.00	\$	\$	\$ 232,158.00
b. Fringe Benefits	29,359.00				29,359.00
c. Travel	41,250.00				41,250.00
d. Equipment					
e. Supplies					
f. Contractual	1,776,730.00	416,030.00			2,192,760.00
g. Construction					
h. Other	60,000.00				60,000.00
i. Total Direct Charges (sum of 6a-6h)	2,014,997.00	540,530.00			\$ 2,555,527.00
j. Indirect Charges	147,123.00				\$ 147,123.00
k. TOTALS (sum of 6i and 6j)	\$ 2,162,120.00	\$ 540,530.00	\$	\$	\$ 2,702,650.00
7. Program Income	\$	\$	\$	\$	\$

SECTION C - NON-FEDERAL RESOURCES

(a) Grant Program		(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8.	State and Local Implementation Grant Program (SLIGP)	\$ <input type="text"/>	\$ 540,530.00	\$ <input type="text"/>	\$ 540,530.00
9.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
12. TOTAL (sum of lines 8-11)		\$ <input type="text"/>	\$ 540,530.00	\$ <input type="text"/>	\$ 540,530.00

SECTION D - FORECASTED CASH NEEDS

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
14. Non-Federal	\$ <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
15. TOTAL (sum of lines 13 and 14)		\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>

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. <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	
17. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
18. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
19. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
20. TOTAL (sum of lines 16 - 19)		\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>

SECTION F - OTHER BUDGET INFORMATION

21. Direct Charges: <input type="text" value="\$2,555,526"/>	22. Indirect Charges: <input type="text" value="\$147,123"/>
23. Remarks: <input type="text"/>	

Massachusetts SLIGP Detailed Budget Spreadsheet

INCLUDES REQUEST FOR CLARIFICATION UPDATES - V4 (8-22-13)

Category	Detailed Description of Budget (for full grant period)			Breakdown of Costs		Note on Non-Federal Items	Comments
	Quantity	Unit Cost	Total Cost	Federal	Non-Federal		
a. Personnel							
Curtis Wood (Undersecretary EOPSS) Commonwealth Senior Project Leader This individual will spend 10% of the time on SLIGP grant activities for 3 years. Annual salary is \$140,000. \$140,000 x 10% = \$14,000	3 years	\$14,000	\$42,000		\$42,000	Commonwealth Employee Time In-Kind Match	
Tom Ashe (State 911) - Coordinates and Administers 911 and Next Gen 911 This individual will spend 10% of the time on SLIGP grant activities for 3 years. Annual salary is \$100,000. \$100,000 x 10% = \$10,000	3 years	\$10,000	\$30,000		\$30,000	Commonwealth Employee Time In-Kind Match	
John Ruggiero (State Police) - Statewide Voice and Data Engineer with State Police This individual will spend 10% of the time on SLIGP grant activities for 3 years. Annual salary is \$75,000. \$75,000 x 10% = \$7,500	3 years	\$7,500	\$22,500		\$22,500	Commonwealth Employee Time In-Kind Match	
James Slater (CJIS) Key person for CJIS Data System This individual will spend 10% of the time on SLIGP grant activities for 3 years. Annual salary is \$100,000. \$100,000 x 10% = \$10,000	3 years	\$10,000	\$30,000		\$30,000	Commonwealth Employee Time In-Kind Match	
Jeff Brownell (OGR) Grant management, program reporting, site visits, data collection and program close out. This individual will spend 15.4% of the time on SLIGP grant activities for 3 years. Annual Salary is \$71,432 \$71,432 x 15.4% = 11,001	3 years	\$11,001	\$33,003	\$33,003			
Victoria Grafflin (OGR) Grant Administrative Management Annual Salary is \$89,154.52 \$89,154 x 11.5% = \$10,253	3 years	\$10,253	\$30,759	\$30,759			
Diane Perier (OGR) Grant set-up, Accounting and Reconciliation, Fiscal Monitoring, Financial Reporting and Fiscal Close Out Annual Salary is \$71,355 \$71,355 x 7.7% = \$5,494	3 years	\$5,494	\$16,482	\$16,482			
John Proctor (OGR) Fiscal Management and Audit Support Annual Salary is \$98,760 \$98,760 x 3.8% = \$3,751	3 years	\$3,751	\$11,253	\$11,253			
Denise Veiga (OGR) Contracts, Payments, and Accounting Record Support Annual Salary is \$69,964.18 \$69,964 x 7.7% = \$5,387	3 years	\$5,387	\$16,161	\$16,161			
Total Personnel			\$232,158	\$107,658	\$124,500		
b. Fringe Benefits							
Fringe Rate 27.27% on Salaries Charged to Grant Award Only. Salaries at 107,658 x 27.27% = 29,358.00	\$107,658	0.27	\$29,358	\$29,358			
Total Fringe Benefits			\$29,358	\$29,358	\$0		

c. Travel	Quantity	Unit Cost	Total Cost	Federal	Non-Federal
In-State mileage for grant related meetings for 2 program staff and 1 fiscal staff traveling estimated 100 miles roundtrip for 20 meetings over 3 years. Cost per mile is based on State Mileage rates of \$0.45 per mile.	6000	0.45	\$2,700	\$2,700	
Travel for Regional and National Meetings with FirstNet 10 person trips per year Airfare is estimated at \$400/ticket; hotel is estimated at \$125/night for one night; per diem is estimated at \$50/day for two days, for a total of \$625/trip	30 trips	\$625	\$18,750	\$18,750	
Travel to meet with NTIA officials, other grant recipients, receive technology briefings, attend conferences, visit early adopter sites, etc. 6 person trips per year (estimated 3 individuals, 2 trips) Airfare is estimated at \$575/ticket; hotel is estimated at \$125/night for 3 nights; per diem is estimated at \$50/day for three days, for a total of \$1100/trip	18 trips	\$1,100	\$19,800	\$19,800	
Total Travel			\$41,250	\$41,250	\$0
d. Equipment	Quantity	Unit Cost	Total Cost	Federal	Non-Federal
None Charged to Grant			\$0	\$0	\$0
Total Equipment			\$0	\$0	\$0
e. Supplies	Quantity	Unit Cost	Total Cost	Federal	Non-Federal
None Charged to Grant			\$0	\$0	\$0
Total Supplies			\$0	\$0	\$0
f. Contractual	Quantity	Unit Cost	Total Cost	Federal	Non-Federal
Project Director - Michael Saltzman ~92hrs/year for 3 years; hourly rate is \$83	2,783 hours	\$83	\$231,000	\$231,000	
Broadband Subject Matter Expert - Sandy Bendremer 1280hrs/year for 3 years; hourly rate is \$125	3,840 hours	\$125	\$480,000	\$480,000	
Project Manager 2000hrs/year for 3 years; hourly rate is \$50	6,000 hours	\$50	\$300,000	\$300,000	
Education and Outreach Coordinator 1500hrs/year for 3 years; hourly rate is \$50	4,500 hours	\$50	\$225,000	\$225,000	
Data Collection Coordinator 1000hrs/year for 1 year; hourly rate is \$65	1,000 hours	\$65	\$65,000	\$65,000	
Data Collection Staff 2000hrs/year for 2 years; hourly rate is \$25	4,000 hours	\$25	\$100,000	\$100,000	
Consultant - Integration Broadband into SCIP Plan 1100hrs/year for 2.5 years; hourly rate is \$125	2,750 hours	\$125	\$343,750		\$343,750
Legal Services 260hrs/year for 3 years; hourly rate is \$200	780 hours	\$200	\$156,000	\$156,000	
Phase 2 Subject Matter Consulting ~2380 hrs in years 2 and 3; Blended hourly rate is \$100	~2,380 hours	\$100	\$238,010	\$165,730	\$72,280
Project and Collaboration Web Site Hosting and Admin \$1500 per month for hosted service	36 months	\$1,500	\$54,000	\$54,000	
Total Contractual			\$ 2,192,760	\$1,776,730	\$416,030
g. Construction	Quantity	Unit Cost	Total Cost	Federal	Non-Federal
N/A			\$0	\$0	\$0
Total Construction			\$0	\$0	\$0
h. Other	Quantity	Unit Cost	Total Cost	Federal	Non-Federal
Hosting Regional Outreach Meetings Two, single day meetings per year in each of the five Homeland Security Regions / Councils. This budget covers 30 regional meetings over the 3-year period. \$2000 per meeting to cover venue costs	30 units	\$2,000	\$60,000	\$60,000	
Total Other			\$60,000	\$60,000	

Indirect Calculation on Contracts			
Number of Contract Years	Annual Contract Value	19.97% of First \$25,000 / year	Total Indirect for Grant Period
3	\$77,000	\$4,993.00	\$14,979
3	\$160,000	\$4,993	\$14,979
3	\$100,000	\$4,993	\$14,979
3	\$75,000	\$4,993	\$14,979
1	\$65,000	\$4,993	\$4,993
2	\$50,000	\$4,993	\$9,986
3	\$114,583	\$4,993	\$14,979
3	\$52,000	\$4,993	\$14,979
2	\$119,005	\$4,993	\$9,986
3	\$18,000	\$3,595	\$10,785
TOTAL			\$125,624

Total Direct Charges			\$2,555,526	\$2,014,996	\$540,530
I. Indirect Costs	Quantity	Unit Cost	Total Cost	Federal	Non-Federal
Negotiated rate of 19.97% of the first \$25,000 of each contract per year See calculations in Rows 31-41	See calculation	19.97%	\$125,624	\$125,624	
Negotiated rate of 19.97% Indirect Cost on Salaries Charged to the Federal Award \$107,550 x 19.97% = \$21,478	\$107,658	19.97%	\$21,499	\$21,499	
Total Indirect			\$147,123	\$147,123	\$0
TOTALS			\$2,702,650	\$2,162,120	\$540,530



Commonwealth of Massachusetts
State and Local Implementation Grant Program
Revised Budget Narrative

Federal Funding Opportunity Number: 2013-NTIA-SLIGP-01

V3

Revised: August 22, 2013

Curtis M. Wood
Undersecretary Forensic Science & Technology/Secretariat Chief Information Officer
Massachusetts Executive Office of Public Safety & Security
Commonwealth of Massachusetts
One Ashburton Place, Suite 2133
Boston, MA 02108
Telephone: 617-274-5512
Email: Curtis.wood@state.ma.us

4 Detailed Budget Justification

4.1 Personnel

Federal:	\$107,658
Non-Federal:	\$124,500
Total:	\$232,158

See the Detailed Budget Spreadsheet for calculations

- Curtis Wood, EOPSS Undersecretary, Forensic Science & Technology (Non-Federal): Undersecretary Wood will lead the PSBO providing oversight for the SLIGP grant, ensuring that all activities are completed on time and within budget. He will be the primary point of contact for consultation with FirstNet, and will work to expand the State's governance structure. The budgeted costs (10% time) are only for the duties associated with public safety broadband and the SLIGP grant. No fringe benefits are charged to the grant for this employee. The source of this match is the State's general fund and is not from another Federal source.
- Tom Ashe, Deputy Director State 911 Department (Non-Federal): The State 911 Department is charged with the coordination, administration, and implementation of Enhanced 9-1-1 and Next Generation 9-1-1 services throughout the Commonwealth of Massachusetts. He will participate in the PSBO, representing the growing needs of public safety data in Next Generation 9-1-1. The budgeted costs (10% time) are only for the duties associated with public safety broadband and the SLIGP grant. No fringe benefits are charged to the grant for this employee. The source of this match is the State's general fund and is not from another Federal source.
- John Ruggiero, Communications Engineer, Massachusetts State Police (Non-Federal): Mr. Ruggiero is an experienced communications engineer and has been a key player in statewide voice and data communications for the State Police. He brings an extensive knowledge of existing infrastructure and previous deployment challenges to the PSBO. The budgeted costs (10% time) are only for the duties associated with public safety broadband and the SLIGP grant. No fringe benefits are charged to the grant for this employee. The source of this match is the State's general fund and is not from another Federal source.
- James Slater, Commissioner, Department of Criminal Justice Information Services (DCJIS) (Non-Federal): The Criminal Justice Information Systems (CJIS) Division operates a secure public safety data center and network that provides the critical infrastructure that supports information sharing and interoperability for the Commonwealth's criminal justice and law enforcement community. Mr. Slater will add key input and experience in public safety data communications and requirements. The budgeted costs (10% time) are only for the duties associated with public safety broadband and the SLIGP grant. No fringe benefits are charged to the grant for this employee. The source of this match is the State's general fund and is not from another Federal source.

- Jeff Brownell, Compliance and Data Coordinator, EOPSS Office of Grants and Research (OGR) (Federal): Mr. Brownell performs grant management, program reporting, site visits, data collection and program close out. The budgeted costs (15.4% time) are only for the duties associated with public safety broadband and the SLIGP grant.
- Victoria Grafflin, EOPSS Office of Grants and Research (OGR) (Federal): Ms. Grafflin provides grant administrative management. The budgeted costs (11.5% time) are only for the duties associated with public safety broadband and the SLIGP grant.
- Diane Perrier, Budget Director, EOPSS Office of Grants and Research (OGR) (Federal): Ms. Perrier provides grant set-up, accounting and reconciliation, fiscal monitoring, financial reporting and fiscal close out. The budgeted costs (7.7% time) are only for the duties associated with public safety broadband and the SLIGP grant.
- John Proctor, EOPSS Office of Grants and Research (OGR) (Federal): Mr. Proctor provides fiscal management and audit support. The budgeted costs (3.8% time) are only for the duties associated with public safety broadband and the SLIGP grant.
- Denise Veiga, EOPSS Office of Grants and Research (OGR) (Federal): Ms. Veiga manages contracts, payments, and provides accounting record support. The budgeted costs (7.7% time) are only for the duties associated with public safety broadband and the SLIGP grant.

Notes on Personnel:

- The SWIC will play an important role in this project, but is not charged to this grant.
- No fringe is charged for personnel costs used as non-federal match
- All non-federal charges for personnel are Commonwealth employees

4.2 Fringe

Federal:	\$29,358
Non-Federal:	\$0
Total:	\$29,358

See the Detailed Budget Spreadsheet for calculations

- A fringe rate of 27.27% is applied only for personnel funded by the Federal grant. This covers Group Insurance, Retirement, Terminal Leave, Unemployment Universal Health, and Medicare. This rate has been approved by the Comptroller of the Commonwealth, and is applicable to federal grants.
- Please see "MA Fringe 2013" supporting document included with submission.

Notes on Fringe:

- No fringe is charged for personnel costs used as non-federal match

4.3 Travel

Federal:	\$41,250
Non-Federal:	\$0
Total:	\$41,250

See the Detailed Budget Spreadsheet for calculations

- In-State Mileage for Meetings (Federal): Staff members will drive to various locations across the state to participate in meetings with local and tribal jurisdictions to raise awareness of the PSBN, discuss local and tribal needs, and identify potential network users.
- 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, and per diem.
- Travel to meet Directly with NTIA officials, other grant recipients, receive technology briefings, attend conferences, visit early adopter sites, etc. Travel costs include airfare, hotel, and per diem.

4.4 Equipment

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

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

4.5 Supplies

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

We do not plan to charge any supplies costs for this grant program.

4.6 Contractual

Federal:	\$1,776,730
Non-Federal:	\$416,030
Total:	\$2,192,760

See the Detailed Budget Spreadsheet for calculations

- Michael Saltzman, Project Director (Federal): Mr. Saltzman has joined the PSBO after a 36-year career with the Massachusetts State Police. Rising to the rank of Major, he was responsible for technology and communications for the State Police. In addition to bringing a comprehensive knowledge of key players, existing systems, and infrastructure, he also has the full view of deploying and operating data and voice communications systems in the broad context of statewide multi-jurisdictional and multi-discipline use. Mr. Saltzman will serve as the day-to-day director of the project under the lead of Undersecretary Wood.
- Sandy Bendremer, Broadband Subject Matter Expert (Federal): Mr. Bendremer has advised EOPSS and other public safety agencies on a wide range of infrastructure and communications systems design, deployment, and operation. He currently works with the PSBO on the design and deployment of the statewide fiber optic backbone, P25 communications systems, as well as the use of BTOP funded middle mile projects for public safety. Bendremer has played a key role in requirements gathering and outreach on several statewide communications initiatives and will leverage that experience for the SLIGP. He is also familiar with existing government owned resources, security and hardening standards, commercial carrier relationships, etc. He will serve a key role within the PSBO in providing technical consultation with users, FirstNet, and others. Despite Mr. Bendremer's design and architecture experience, he will not be engaged in such activities under the SLIGP as they are beyond the scope of the program.
- Project Manager (Federal): A dedicated SLIGP project manager will be assigned to coordinate and manage activities associated with FirstNet planning as required throughout the 3-year period.
- Education and Outreach Coordinator (Federal): A dedicated Education and Outreach coordinator will be utilized to ensure complete and thorough participation by all of the relevant stakeholders, including state, local, regional, and tribal entities. This individual will also be responsible for providing education and communications to stakeholder through media, presentations and staging regional stakeholder meetings. This position is budgeted for the duration of the grant.
- Data Collection Coordinator (Federal): A Data Collection Coordinator is planned and budgeted for Phase 2, to lead efforts required by FirstNet for possible data collection and assessment activities associated with network implementation preparedness.
- Data Collection Staff (Federal): A data collection staff is planned and budgeted for Phase 2, to assist in data collection as required by FirstNet.
- SCIP Plan Consultant (Federal): Budget has been allocated for one or more consultants to update the SCIP plan to incorporate recent developments and strategic plans for broadband communications. This is principally a Phase 1 activity, however budget has been allocated for additional updates in Phase 2. SLIGP grant funds will only be used to update the SCIP with regards to public safety broadband and not for LMR portions of the plan.
- Legal Services (Federal): The PSBO will be augmented by legal counsel(s) to provide consultation and other legal services including but not limited to preparing, reviewing or

executing documents, contracts and Memorandum of Agreements (MOA's) in support of Massachusetts participation in FirstNet.

- Phase 2 Subject Matter Consulting (Federal and Non-Federal): The budget includes an allocation for subject matter consulting that may be required to complete tasks yet to be defined by FirstNet in Phase 2 of the project.
- Project and Collaboration Web Site Hosting and Administration (Federal): Setup and administration of a collaboration website has been budgeted for the duration of the project. This collaboration site is intended to assist the PSBO in maintaining consistent two-way communication to the stakeholder community including education and outreach, maintaining an accessible central repository for project information and documents, and to facilitate data collection.

4.7 Construction

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

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

4.8 Other

Federal:	\$60,000
Non-Federal:	\$0
Total:	\$60,000

See the Detailed Budget Spreadsheet for calculations

- Hosting Regional Outreach Meetings Two, single day meetings per year in each of the five Homeland Security Regions / Councils. This budget covers venue costs for 30 regional meetings over the 3-year period.

4.9 Indirect

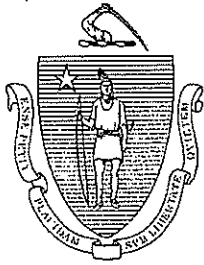
Federal:	\$147,123
Non-Federal:	\$0
Total:	\$147,123

See the Detailed Budget Spreadsheet for calculations

- Indirects (Federal): The State has a Negotiated Indirect Cost Rate Agreement with the U.S. Department of Justice. Our approved rate is 19.97% of all direct. This rate is applied to the first \$25,000 of each contract per year, as well as to cost of personnel salaries charged to the federal award.
- Please see "MA Negotiated Indirect 2013" supporting document included with submission.

4.10 TOTALS

Federal:	\$2,162,120
Non-Federal:	\$540,530
Total:	\$2,702,650



The Commonwealth of Massachusetts
Office of the Comptroller
One Ashburton Place, Room 901
Boston, Massachusetts 02108

MARTIN J. BENISON
COMPTROLLER

February 13, 2013

PHONE: (617) 727-5000
FAX: (617) 727-2163
INTERNET: <http://www.mass.gov/osc>

Ms. Andrea Cabral, Secretary
Executive Office of Public Safety
One Ashburton Place - 2133
Boston, MA 02108

Attn: Ellen Donaghey

Dear Ms. Cabral:

The enclosed negotiation agreement involving the FY2013 indirect cost rate for the Executive Office of Public Safety (EPS) represents an understanding between the Commonwealth and the U.S. Department of Justice concerning the rate that may be used to support a claim for Federal payment of indirect costs incurred for the performance of a Federal grant or contract. This rate was negotiated in accordance with OMB Circular A-87 and with regulations promulgated by the Secretary of Administration and Finance under Administrative Bulletin #5 (A&F5), dated May 1, 2008, entitled: "Fringe Benefits, Payroll Taxes and Indirect Costs".

The automated indirect cost recovery program used to assess EPS's Federal grants and other non-budgetary accounts will be updated to reflect the approved FY2013 rate of 19.97% of modified total direct costs (subsidiary AA, CC, HH, JJ, and UU excl. U07 object code expenditures) beginning with the closing of Period 08 (February), BFY2013. The last approved FY2012 rate of 29.84% currently in effect will expire at that time. An indirect cost credit for Periods 01-07, BFY2013 will be posted to affected accounts.

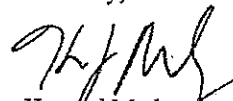
Also enclosed with this agreement is a schedule identifying the positions that have been included in the approved indirect cost rate. Since these positions have been approved for reimbursement through this rate, they may not be allocated under the Labor Cost Management System (LCM) or any other agency labor distribution plan without prior authorization of this office.

Additionally, these positions may not be used to meet Federal matching requirements.

The above-referenced administrative regulations prohibit indirect costs from being budgeted on Federal grants and trusts at any rate or amount less than that approved under this agreement without prior authorization of this office.

Jerry Stephenson is available at (617) 973-2638 to answer any questions that you may have regarding this agreement.

Sincerely,


Howard Merkowitz
Deputy Comptroller

Enclosure
cc: Comptroller's Payroll Unit

STATE AND LOCAL UNITS OF GOVERNMENT
INDIRECT COST NEGOTIATED AGREEMENT

Filing Ref: This replaces the negotiated agreement dated January 1, 2012

Name:
Commonwealth of Massachusetts
Executive Office of Public Safety
One Ashburton Place, Room # 901
Boston, MA 02108

Date: January 7, 2013

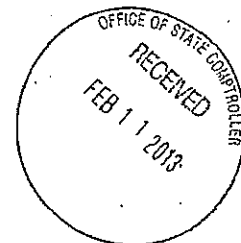
The indirect cost rate(s) contained herein is for use in grants and contracts with the U.S. Department of Justice and other Federal agencies to which OMB Circular A-87 applies, subject to the limitations contained in Section II of this agreement.

SECTION I: RATES

Type	Effective Period		* Rate	Locations	Applicable to
	From	To			
**Fixed (FCF)	7/01/06	6/30/07	22.48%	All	All Programs
**Fixed (FCF)	7/01/07	6/30/08	22.48%	All	All Programs
**Fixed (FCF)	7/01/08	6/30/09	22.48%	All	All Programs
**Fixed (FCF)	7/01/09	6/30/10	22.94%	All	All Programs
**Fixed (FCF)	7/01/10	6/30/11	23.24%	All	All Programs
**Fixed (FCF)	7/01/11	6/30/12	29.84%	All	All Programs
**Fixed (FCF)	7/01/12	6/30/13	19.97%	All	All Programs

****Base:** Total direct costs excluding capital expenditures, contracts over \$25,000 and pass through funds. Pass-through funds are defined as major sub-contracts and sub-grants, both of which normally require minimal administrative effort i.e. Direct Regular Employee Compensation (Code AA), Contractual Employee Compensation (Code CC), Contractual Services (Code HH), Operational Services (Code JJ) and IT-Non Payroll expense (Code UU)

****Treatment of Fringe Benefits:** Fringe benefits applicable to direct salaries and wages are treated as direct costs.

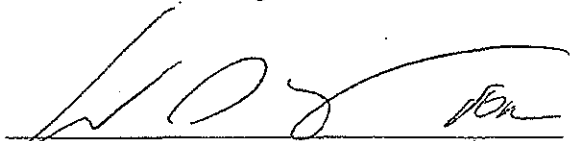


SECTION II: GENERAL

- A. **LIMITATIONS:** Use of the rate(s) contained in this agreement is subject to any statutory or administrative limitations and is applicable to a given grant or contract only to the extent that funds are available. Acceptance of the rate(s) agreed to herein is predicated on the conditions: (1) that no costs other than those incurred by the grantee/contractor via an approved Central Service Allocation Plan were included in its indirect cost pool as finally accepted and that such incurred costs are legal obligations of the grantee/contractor and allowable under the governing cost principles (2) that the same costs that have been treated as indirect costs are not claimed as direct costs; (3) that similar types of costs have been accorded consistent accounting treatment; and (4) that the information provided by the grantee/contractor which was used as a basis for acceptance of the rate(s) agreed to herein is not subsequently found to be materially inaccurate.
- B. **AUDIT:** Adjustments to amounts resulting from audit of the cost allocation plan upon which the negotiation of this agreement was based will be compensated for in a subsequent negotiation,
- C. **ACCOUNTING CHANGES:** The rate(s) contained in this agreement are based on the accounting system in effect at the time the proposal was prepared and the agreement was negotiated. Changes to the method of accounting for costs which affect the amount of reimbursement resulting from the use of this rate(s) require the prior approval of the office responsible for negotiating the rate(s) on behalf of the Government. Such changes include but are not limited to changes in the charging of a particular type of costs from indirect to direct. Failure to obtain such approval may result in subsequent cost dis-allowances.
- D. **FIXED RATE(S):** The fixed rate(s) contained in this agreement is based upon an estimate of the costs which will be incurred during the period for which the rate applies. When the actual costs for such period have been determined, an adjustment will be made in a subsequent negotiation to compensate for the difference between that cost used to establish the fixed rate and that which would have been used were the actual costs known at the time.
- E. **NOTIFICATION TO FEDERAL AGENCIES:** Copies of this document may be provided to other Federal offices as a means of notifying them of the agreement contained herein.
- F. **SPECIAL REMARKS:** Federal programs currently reimbursing indirect costs to this Department/Agency by means other than the rate(s) cited in this agreement should be credited for such costs and the applicable rate cited herein applies to the appropriate base to identify the proper amount of indirect costs allocated to the program.



U.S. DEPARTMENT OF JUSTICE
Office of Justice Programs

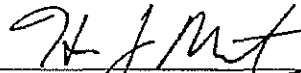


Signature: Shaun D. Minick, Staff Accountant
Grants Financial Management Division
Office of the Chief Financial Officer, OJP, DOJ

2/5/2013

Date:

Commonwealth of Massachusetts
Office of the State Comptroller
on behalf of the
Executive Office of Public Safety



Signature: Howard Merkowitz, Deputy Comptroller
Office of the State Comptroller

January 23, 2013

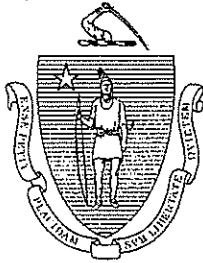
Date:

COMMONWEALTH OF MASSACHUSETTS
 INDIRECT COST RATE PROPOSAL
 FISCAL YEAR FY2013
 BASED ON FY2011 ACTUAL COSTS

DEPARTMENT: EXECUTIVE OFFICE OF PUBLIC SAFETY (EPS)
 DIVISION: ALL PROGRAMS

ADMINISTRATIVE POSITIONS IDENTIFIED AS INDIRECT

<u>POSITION TITLE</u>	767,175	LESS MATCH	ALLOWABLE FY 2011	Name
	ACTUAL FY 2010			
1 Program Manager Specialist III	43,757	-	43,757	Bailey, Catherine P
2 Administrative Assistant II	40,383	-	40,383	Hillis, Tanya M
3 Administrative Assistant II	48,899	-	48,899	Firlit, Deborah J
4 Administrator VIII	77,798	-	77,798	Gabriel, Teresa J
5 Personnel Analyst III	73,953	-	73,953	Gross, Marie
6 Program Manager IX	13,913	-	13,913	Gutierrez, Purissima L
7 Personnel Analyst III	36,766	-	36,766	Hall, Natasha C
8 Fiscal Officer VI	83,137	-	83,137	Hill-Jones, Kristine
9 Administrator VII	89,440	-	89,440	Hughes, Sean M
10 Administrative Assistant I	36,198	-	36,198	Powell, Annette
11 Edp Systems Analyst IV	80,804	-	80,804	Spanos, Konstantinos
12 Program Manager Specialist VII	92,464	-	92,464	Sullivan, Margaret E
13 Administrative Assistant II	3,342	-	3,342	Tyre, Ryan M
14 Accountant III	46,323	-	46,323	Zhang, Guan Y



The Commonwealth of Massachusetts
Office of the Comptroller
One Ashburton Place, Room 901
Boston, Massachusetts 02108

MARTIN J. BENISON
COMPTROLLER

February 13, 2013

PHONE: (617) 727-5000
FAX: (617) 727-2163
INTERNET: <http://www.mass.gov/osc>

Ms. Andrea Cabral, Secretary
Executive Office of Public Safety
One Ashburton Place - 2133
Boston, MA 02108

Attn: Ellen Donaghey

Dear Ms. Cabral:

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Also enclosed with this agreement is a schedule identifying the positions that have been included in the approved indirect cost rate. Since these positions have been approved for reimbursement through this rate, they may not be allocated under the Labor Cost Management System (LCM) or any other agency labor distribution plan without prior authorization of this office.

Additionally, these positions may not be used to meet Federal matching requirements.

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Jerry Stephenson is available at (617) 973-2638 to answer any questions that you may have regarding this agreement.

Sincerely,

Howard Merkowitz
Deputy Comptroller

Enclosure
cc: Comptroller's Payroll Unit

**STATE AND LOCAL UNITS OF GOVERNMENT
INDIRECT COST NEGOTIATED AGREEMENT**

Filing Ref: This replaces the negotiated agreement dated January 1, 2012

Name:
Commonwealth of Massachusetts
Executive Office of Public Safety
One Ashburton Place, Room # 901
Boston, MA 02108

Date: January 7, 2013

The indirect cost rate(s) contained herein is for use in grants and contracts with the U.S. Department of Justice and other Federal agencies to which OMB Circular A-87 applies, subject to the limitations contained in Section II of this agreement.

SECTION I: RATES

Type	Effective Period		* Rate	Locations	Applicable to
	From	To			
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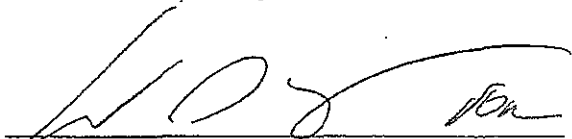


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U.S. DEPARTMENT OF JUSTICE
Office of Justice Programs

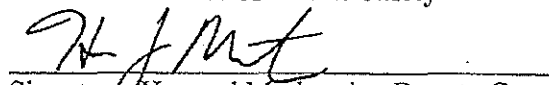


Signature: Shaun D. Minick, Staff Accountant
Grants Financial Management Division
Office of the Chief Financial Officer, OJP, DOJ

2/5/2013

Date:

Commonwealth of Massachusetts
Office of the State Comptroller
on behalf of the
Executive Office of Public Safety



Signature: Howard Merkowitz, Deputy Comptroller
Office of the State Comptroller

January 23, 2013

Date:

COMMONWEALTH OF MASSACHUSETTS
 INDIRECT COST RATE PROPOSAL
 FISCAL YEAR FY2013
 BASED ON FY2011 ACTUAL COSTS

DEPARTMENT: EXECUTIVE OFFICE OF PUBLIC SAFETY (EPS)
 DIVISION: ALL PROGRAMS

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1 Program Manager Specialist III	43,757	-	43,757	Bailey, Catherine P
2 Administrative Assistant II	40,383	-	40,383	Hillis, Tanya M
3 Administrative Assistant II	48,899	-	48,899	Firrit, Deborah J
4 Administrator VIII	77,798	-	77,798	Gabriel, Teresa J
5 Personnel Analyst III	73,953	-	73,953	Gross, Marie
6 Program Manager IX	13,913	-	13,913	Gutierrez, Purissima L
7 Personnel Analyst III	36,766	-	36,766	Hall, Natasha C
8 Fiscal Officer VI	83,137	-	83,137	Hill-Jones, Kristine
9 Administrator VII	89,440	-	89,440	Hughes, Sean M
10 Administrative Assistant I	36,198	-	36,198	Powell, Annette
11 Edp Systems Analyst IV	80,804	-	80,804	Spanos, Konstantinos
12 Program Manager Specialist VII	92,464	-	92,464	Sullivan, Margaret E
13 Administrative Assistant II	3,342	-	3,342	Tyre, Ryan M
14 Accountant III	46,323	-	46,323	Zhang, Guan Y

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>Jeffrey Brownell</p>	<p>* TITLE</p> <p>Secretary</p>
<p>* APPLICANT ORGANIZATION</p> <p>Massachusetts Executive Office of Public Safety and Security</p>	<p>* DATE SUBMITTED</p> <p>03/19/2013</p>

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

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

LOBBYING

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

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

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

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

Statement for Loan Guarantees and Loan Insurance

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

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

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

* NAME OF APPLICANT

Massachusetts Executive Office of Public Safety and Security

* AWARD NUMBER

* PROJECT NAME

MA Statewide Public Safety Broadband Planning Project

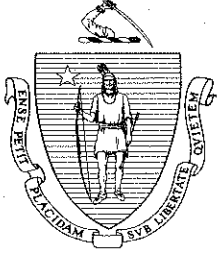
Prefix: Ms. * First Name: Andrea Middle Name: J.

* Last Name: Cabral Suffix:

* Title: Secretary

* SIGNATURE: Jeffrey Brownell

* DATE: 03/19/2013



OFFICE OF THE GOVERNOR
COMMONWEALTH OF MASSACHUSETTS
STATE HOUSE • BOSTON, MA 02133
(617) 725-4000

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

March 19, 2013

Lawrence E. Strickling
Assistant Secretary for Communications and Information
State and Local Implementation Grant Program
Office of Public Safety Communications (OPSC)
National Telecommunications and Information Administration
U.S. Department of Commerce
1401 Constitution Avenue, NW
HCHB, Room 7324
Washington, DC 20230

Re: Letter of State Designation for SLIGP

Dear Assistant Secretary Strickling:

This letter is to designate Executive Office of Public Safety and Security Undersecretary Curtis M. Wood as the State officer responsible for the coordination and implementation of the recently announced State and Local Implementation Grant Program (SLIGP) in support of the National Public Safety Broadband Network Initiative. Undersecretary Wood, who is in charge of the Massachusetts Executive Office of Public Safety and Security's Broad Band Office (EBO), will be the main point of contact authorized to interact with representatives of the National Telecommunications Information Administration (NTIA) and the recently formed FirstNet authority. Thank you for your time and attention to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Deval Patrick", written over a large, stylized flourish.