

Application for Federal Assistance SF-424

Version 02

* 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	* 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	* If Revision, select appropriate letter(s): _____ * Other (Specify) _____
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* 3. Date Received: 03/18/2013	4. Applicant Identifier: _____
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5a. Federal Entity Identifier: _____	* 5b. Federal Award Identifier: _____
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State Use Only:

6. Date Received by State: 03/18/2013	7. State Application Identifier: ND130315-0080
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8. APPLICANT INFORMATION:

* a. Legal Name: State of North Dakota - Information Technology Department	
* b. Employer/Taxpayer Identification Number (EIN/TIN): 45-0309764	* c. Organizational DUNS: 073131823

d. Address:

* Street1: 600 E Boulevard Ave
Street2: _____
* City: Dept 112
County: Bismarck
* State: ND: North Dakota
Province: _____
* Country: USA: UNITED STATES
* Zip / Postal Code: 58505-0100

e. Organizational Unit:

Department Name: _____	Division Name: _____
---------------------------	-------------------------

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

Prefix: Mr.	* First Name: Mike
Middle Name: J	
* Last Name: Ressler	
Suffix: _____	
Title: Director	
Organizational Affiliation: _____	
* Telephone Number: 701-328-1001	Fax Number: 701-328-0301
* Email: mressler@nd.gov	

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9. Type of Applicant 1: Select Applicant Type:

A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

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

National Telecommunications and Information Admini

11. Catalog of Federal Domestic Assistance Number:

11.549

CFDA Title:

State and Local Implementation Grant Program

*** 12. Funding Opportunity Number:**

2013-NTIA-SLIGP-01

* Title:

State and Local Implementation Grant Program (SLIGP)

13. Competition Identification Number:

2013-NTIA-SLIGP-01

Title:

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

All governmental entities, tribal entities, and public safety entities within the state of North Dakota

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

ND State & Local Implementation Grant Program (ND SLIGP)

Attach supporting documents as specified in agency instructions.

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16. Congressional Districts Of:

* a. Applicant

* b. Program/Project

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

17. Proposed Project:

* a. Start Date:

* b. End Date:

18. Estimated Funding (\$):

* a. Federal	<input type="text" value="1,167,975.00"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="291,994.00"/>
* 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="1,459,969.00"/>

* 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:

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		Total (g)
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	
1. SLIGP	11.549	\$ 0.00	\$ 0.00	\$ 1,167,975.00	\$ 291,994.00	\$ 1,459,969.00
2.						
3.						
4.						
5. Totals		\$	\$	\$ 1,167,975.00	\$ 291,994.00	\$ 1,459,969.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1) SLIGP	(2)	(3)	(4)	
a. Personnel	\$ 105,740.00	\$ 75,444.00	\$	\$	\$ 181,184.00
b. Fringe Benefits	34,894.00	24,897.00			59,791.00
c. Travel	157,972.00	7,399.00			165,371.00
d. Equipment	0.00	0.00			
e. Supplies	22,563.00	0.00			22,563.00
f. Contractual	796,286.00	70,000.00			866,286.00
g. Construction	0.00	0.00			
h. Other	50,520.00	114,254.00			164,774.00
i. Total Direct Charges (sum of 6a-6h)	1,167,975.00	291,994.00			\$ 1,459,969.00
j. Indirect Charges					\$
k. TOTALS (sum of 6i and 6j)	\$ 1,167,975.00	\$ 291,994.00	\$	\$	\$ 1,459,969.00
7. Program Income	\$	\$	\$	\$	\$

SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS	
8. SLIGP	\$ <input type="text"/>	\$ <input type="text" value="177,740.00"/>	\$ <input type="text" value="114,254.00"/>	\$ <input type="text" value="291,994.00"/>	
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"/>	\$ <input type="text" value="177,740.00"/>	\$ <input type="text" value="114,254.00"/>	\$ <input type="text" value="291,994.00"/>	
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"/>	\$ <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="\$1,459,969.00"/>		22. Indirect Charges: <input type="text" value="\$0.00"/>			
23. Remarks: <input type="text" value="Revised 7/9/2013 - Travis Durick"/>					



State of North Dakota



State and Local Implementation Grant Program Application

Primary Contact:

Lisa Feldner
CIO
600 E. Boulevard Avenue
Bismarck, ND 58505
701.328.3193

Secondary Contact:

Mike Lynk
Division of State Radio
PO Box 5511
Bismarck, ND 58506-5511
701.328.8100

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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.

North Dakota Governor Jack Dalrymple signed and issued Executive Order 2012-10 on Sept. 14, 2012 to expand on Executive Order 2007-12 establishing the Statewide Interoperability Executive Committee (SIEC). The committee is chaired by the Director of the North Dakota Department of Emergency Services (ND DES) and vice-chaired by the Director of the Division of State Radio. Membership is composed of representatives from each state agency, division, or responder group as set forth below:

State Government

- North Dakota Division of Homeland Security
- North Dakota Division of State Radio
- North Dakota Highway Patrol
- North Dakota National Guard
- North Dakota Department of Transportation
- North Dakota Information Technology Department

Local Government

- North Dakota Sheriff's Association
- North Dakota Emergency Managers Association
- North Dakota Fire Chiefs Association
- North Dakota EMS Association
- North Dakota 911 Association

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

By executive order, the committee is tasked with fostering collaboration among stakeholders at the local, state and federal level, which includes tribal interests. Established priorities include:

1. Coordinate and manage use of all state-designated and state-licensed radio frequencies used for public safety and emergency communications and serve as the point of contact with the FCC on matters relating to allocation, use, and licensing of radio spectrum;
2. Seek support, including possible federal or other funding, for state-sponsored wireless communications systems;

3. Develop recommendations for legislation that may be required to promote interoperability of state wireless communications systems;
4. Foster cooperation and coordination among public safety and emergency response organizations;
5. Work with all wireless communications user groups and associations to ensure interoperability among all public safety and emergency response wireless communications systems.

To accomplish these priorities the committee meets at minimum two times each year, establishes working sub-committees as needed and assigns tasks to committee members or staff of the North Dakota Department of Emergency Services and the Division of State Radio. Task assignments can include utilizing and coordinating with technology experts and companies from the private sector.

In addition, Senate Bill No. 2353 has been introduced and is being considered within the 63rd Legislative Assembly of North Dakota. The bill adds to the efforts of the statewide integrated radio communication system service tasking the committee to support the deployment of a statewide integrated radio communication system and shall provide for financial and technological assistance to local jurisdictions to transition to the system. A management study is included within the legislation to address the development of the current radio communication plan, its costs and components, and evolving technologies that will better serve the public.

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.

North Dakota's Governor has appointed the State CIO as the primary contact for FirstNet activities and has also directed that FirstNet activities be governed through the SIEC. This partnership combines extensive IT implementation and policy experience with the extensive Emergency Management and Public Safety communications experience of the SIEC membership.

The SIEC membership is made up of the relevant Public Safety user groups within State and local government. Members will be tasked with involving their respective groups, educating them on the issues; gathering opinions, options and recommendations; and tapping the expertise of those within the organization. These efforts will provide the guidance and detail needed as the SIEC designs and implements the program.

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?

Beginning in 1999, the North Dakota Legislature has created a series of laws which place the CIO in control of the State Information Technology Department, and which place the State ITD in control of a highly consolidated IT infrastructure. Through the oversight of this consolidation effort, the CIO has been involved in the creation of a WAN network for all State Government, political subdivisions and education entities, as well as the creation of North Dakota's unified Criminal Justice Information Sharing (NDCJIS) system. Additionally, the CIO is in control of North Dakota's State Broadband Initiative, which has carried out thorough evaluations of LTE availability within the State.

Through the Governor's order to incorporate the State CIO onto the committee, this subject matter expertise and technology experience will be present on the SIEC.

Additionally, the SIEC will assemble a Request for Proposal (RFP) evaluation committee, which will include technology experts from both the public sector and potential secondary user organizations. This committee will be used to source contractual resources to assist in carrying out the SLIGP activities.

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 SIEC currently does not have an operating budget. Each member pays for their own costs related to staffing. ND intends to include the costs (travel / per diem) in the grant budget for up to four meetings per year. Office materials, photocopies, etc. are provided by the ND DES and will be incorporated as part the State's match.

North Dakota understands that any activities supported by SLIGP funds must be directly attributable to Public Safety broadband activities.

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?

Statewide Communications Interoperability Plan (SCIP)

Goal 2: Continuance of the State Radio infrastructure equipment fielding to accommodate digital radio transmissions.

Goal 9: Improve emergency response interagency wireless communications statewide.

Objective E: Address issues requiring increased Mobile Data bandwidth within the state.

Strategic Initiatives as amended in December of 2011 include:

1. Develop recommendations for legislation to promote interoperability of State wireless communications systems;
2. Begin the planning process for additional new technology upgrades of the State Radio infrastructure;
3. Address issues requiring increased mobile data bandwidth within the State;
4. Plan and equip for the oncoming Voice over Internet Protocol.

A current review and update of the SCIP is in progress.

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.

Preliminary discussions have taken place within the SIEC and the ND Department of Emergency Services Advisory Committee (DESAC). Membership within these two committees is broad based including the statewide organizations which represent such entities as county emergency managers, tribal emergency managers, law enforcement, firefighters, PSAP's, ambulance services, hospitals, state agencies, etc. These discussions have increased awareness and given the members of these committees guidance on what to expect during the SLIGP process.

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.

The SCIP is reviewed and updated on an annual basis incorporating what has already been accomplished, what issues still need to be addressed, and new issues which have surfaced. As noted above, public safety wireless broadband is an issue which has been under discussion for several years and the SIEC will incorporate more details into the SCIP as plans mature. Many of the SLIGP activities will serve as source material for expanding broadband initiatives within the SCIP, some direct funds may also be used to incorporate these details.

Because of this, we expect funds specifically used for updating the SCIP will be nominal in comparison to the funds spent to develop the source materials being incorporated.

3. State-Level Involvement

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

The North Dakota Director of State Radio serves as the SWIC and currently also serves as vice chair of the SIEC. The SWIC will take a leadership role in the public safety wireless broadband planning and development project.

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?

Executive Order 2012-10 issued in September of 2012 added the State CIO as a member of the SIEC. The CIO brings personal and departmental technology expertise to the table. In addition, the CIO's connections with the private sector in the technology field will enhance the planning process and greatly improve technology asset identification tasks.

As the Governor's designated point of contact and the executive of the state's Information Technology Department,, the CIO will provide direct program management oversight, as well as participate in program governance through the SIEC. Additionally, staff from the ITD will be used to administer the SLIGP.

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

It is anticipated that those organizations/groups already involved in development of the SCIP and participating with the SIEC and ND DESAC will continue their collaboration:

- ND 911 Association
- ND Emergency Management Association
- ND Fire Chiefs Association
- ND Sheriff's Association
- ND Police Chief's Association
- ND Peace Officer's Association
- ND Emergency Medical Services Association
- ND Health Care Association
- ND Public Health Association

- Indian Health Services
- Tribal Emergency Managers
- Federal Bureau of Indian Affairs

Within State Government the following will participate:

- ND National Guard
- ND Department of Transportation
- ND Division of State Radio
- ND Department of Emergency Services
- ND Highway Patrol
- ND Bureau of Criminal Investigation
- ND Information Technology Department
- ND Criminal Justice Information Sharing System
- ND StageNet Management Committee
- ND Health Information Network
- ND Indian Affairs Commission

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.

Additional State personnel will not be hired for the FirstNet Project through this grant. Existing State staff members will provide program management, project management, administrative support, and executive oversight of the SLIGP. The detailed project work will be accomplished through hiring of private contractors. It is our expectation that a minimum of two contractors will be needed to carry out the SLIGP projects. Specifically, we expect contractual resources to perform the majority of the tasks for the following projects: Governance and Needs Assessments, Phase II data collection efforts, and MoA Development. We expect that existing State and local government staff will perform the majority of the tasks associated with Education and Outreach, and Commercial Carrier Assessments. This mix of existing staff and private contractors is a strategy that North Dakota has successfully implemented on other Federal Grant programs and is the format we are most confident about using for the SLIGP.

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

Private industry and secondary users are invited to participate in the planning process. Many of the potential secondary users within our state's private industry have existing relationships with various branches of our state government. The

North Dakota Public Service Commission has relationships with numerous companies engaged in energy production and distribution, as well as with the telecom industry. The Industrial Commission has extensive contact with companies engaged in oil production and the State. These are good examples of the relationships that we intend to leverage to quickly establish direct contacts with potential secondary users and extend invitations to participate in the SLIGP. Participation with these users will be carried out through individual conversations, participation in SIEC meetings and some more focused education and outreach events targeted at relevant industry groups.

4. Coordination with Governmental 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 governmental structures of North Dakota includes 53 counties, 363 cities/towns and 1,340 townships:

County	Jurisdiction	Jurisdiction	Jurisdiction	Jurisdiction	Jurisdiction
Adams County	Bucyrus	Haynes	Hettinger	Reeder	
Barnes County	Dazey	Fingal	Kathryn	Leal	Litchville
	Nome	Oriska	Pillsbury	Rogers	Sanborn
	Sibley	Tower City **	Valley City	Wimbledon	
Benson County	Brinsmade	Esmond	Knox	Leeds	Maddock
	Minnewaukan	Oberon	Warwick	York	
Billings County	Medora				
Bottineau County	Antler	Bottineau	Gardena	Kramer	Landa
	Lansford	Maxbass	Newburg	Overly	Souris
	Westhope	Willow City			
Bowman County	Bowman	Gascoyne	Rhame	Scranton	
Burke County	Bowbells	Columbus	Flaxton	Larson	Lignite
	Portal	Powers Lake			
Burligh County	Bismarck	Lincoln	Regan	Wilton **	Wing
Cass County	Alice	Amenia	Argusville	Arthur	Ayr
	Briarwood	Buffalo	Casselton	Davenport	Enderlin **

County	Jurisdiction	Jurisdiction	Jurisdiction	Jurisdiction	Jurisdiction
	Fargo	Frontier	Gardner	Grandin **	Harwood
	Horace	Hunter	Kindred	Leonard	Mapleton
	North River	Oxbow	Page	Prairie Rose	Reilie's Acres
	Tower City **	West Fargo			
Cavalier County	Alsen	Calio	Calvin	Hannah	Langdon
	Loma	Milton	Munich	Nekoma	Osnabrock
	Sarles **	Wales			
Dickey County	Ellendale	Forbes	Fullerton	Ludden	Monango
	Oakes				
Divide County	Ambrose	Crosby	Fortuna	Noonan	
Dunn County	Dodge	Dunn Center	Halliday	Killdeer	
Eddy County	New Rockford	Sheyenne			
Emmons County	Braddock	Hague	Hazelton	Linton	Strasburg
Foster County	Carrington	Glenfield	Grace City	McHenry	
Golden Valley County	Beach	Golva	Sentinel Butte		
Grand Forks County	Emerado	Gilby	Grand Forks	Inkster	Larimore
	Manvel	Niagara	Northwood	Reynolds **	Thompson
Grant County	Carson	Elgin	Leith	New Leipzig	
Griggs County	Binford	Cooperstown	Hannaford		
Hettinger County	Mott	New England	Regent		
Kidder County	Dawson	Pettibone	Robinson	Steele	Tappen
	Tuttle				
LaMoure County	Berlin	Dickey	Edgeley	Jud	Kulm
	LaMoure	Marion	Verona		
Logan County	Fredonia	Gackle	Lehr **	Napoleon	
McHenry County	Anamoose	Balfour	Bantry	Bergen	Deering

County	Jurisdiction	Jurisdiction	Jurisdiction	Jurisdiction	Jurisdiction
	Drake	Granville	Karlsruhe	Kief	Towner
	Upham	Velva	Voltaire		
McIntosh County	Ashley	Lehr **	Venturia	Wishek	Zeeland
McKenzie County	Alexander	Arnegard	Watford City		
McLean County	Benedict	Butte	Coleharbor	Garrison	Max
	Mercer	Riverdale	Ruso	Turtle Lake	Underwood
	Washburn	Wilton **			
Mercer County	Beulah	Golden Valley	Hazen	Pick City	Stanton
	Zap				
Morton County	Almont	Flasher	Glen Ullin	Hebron	Mandan
	New Salem				
Mountrail County	New Town	Palermo	Parshall	Plaza	Ross
	Stanley	White Earth			
Nelson County	Aneta	Lakota	McVile	Michigan	Pekin
	Petersburg	Tolna			
Oliver County	Center				
Pembina County	Bathgate	Cavalier	Crystal	Drayton	Hamilton
	Hensel	Mountain	Neché	Pembina	Saint Thomas
	Walhalla				
Pierce County	Balta	Rugby	Wolford		
Ramsey County	Brocket	Churchs Ferry	Crary	Devils Lake	Edmore
	Hampden	Lawton	Starkweather		
Ransom County	Elliott	Enderlin **	Fort Ransom	Lisbon	Sheldon
Renville County	Glenburn	Grano	Loraine	Mohall	Sherwood
	Tolley				
Richland County	Abercrombie	Barney	Christine	Colfax	Dwight
	Fairmount	Great Bend	Hankinson	Lidgerwood	Mantador
	Mooreton	Wahpeton	Walcott	Wyndmere	

County	Jurisdiction	Jurisdiction	Jurisdiction	Jurisdiction	Jurisdiction
Rolette County	Dunseith	Mylo	Rolette	Rolla	Saint John
Sargent County	Cayuga	Cogswell	Forman	Gwinner	Havana
	Milnor	Rutland			
Sheridan County	Goodrich	Martin	McClusky		
Sioux County	Fort Yates	Selfridge	Solen		
Slope County	Amidon	Marmarth			
Stark County	Belfield	Dickinson	Gladstone	Richardton	South Heart
	Taylor				
Steele County	Finley	Hope	Luverne	Sharon	
Stutsman County	Buchanan	Cleveland	Courtenay	Jamestown	Kensal
	Medina	Montpelier	Pingree	Spiritwood Lake	Streeter
	Woodworth				
Towner County	Bisbee	Cando	Egeland	Hansboro	Maza
	Perth	Rock Lake	Sarles **		
Traill County	Buxton	Clifford	Galesburg	Grandin **	Hatton
	Hillsboro	Mayville	Portland	Reynolds **	
Walsh County	Adams	Ardoch	Conway	Edinburg	Fairdale
	Fordville	Forest River	Grafton	Hoople	Lankin
	Minto	Park River	Pisek		
Ward County	Berthold	Burlington	Carpio	Des Lacs	Donnybrook
	Douglas	Kenmare	Makoti	Minot	Ryder
	Sawyer	Surrey			
Wells County	Bowdon	Cathay	Fessenden	Hamberg	Harvey
	Hurdsfield	Sykeston			
Williams County	Alamo	Epping	Grenora	Ray	Springbrook
	Tioga	Wildrose	Williston		
Note **	Seven (7) incorporated Cities noted with ** indicate they are geographically located within two counties.				

Tribes	Jurisdictions
Spirit Lake Sioux Tribe	Located in Eddy, Ramsey and Benson Counties

Standing Rock Sioux Tribe	Located in Sioux County
Three Affiliated Tribes	Located in Dunn, McKenzie, McLean, Mercer, Mountrail, and Ward Counties
Turtle Mountain Band of Chippewa	Located in Rolette County

It is important to note that the structure of Public Safety agencies which operate in these jurisdictions often include a mix of government, private, and volunteer organizations. The most current estimates indicate that there are roughly 15,000 volunteers participating in Public Safety activities in North Dakota. The funding challenges associated with these volunteer operations will be a critical consideration for the NITA and FirstNet board, as well as an area of focus during our SLIGP activities.

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.

Our current plans are to utilize each county's existing 9-1-1 coordinator as the single point of contact for their county. Since interaction with all public safety agencies within their jurisdiction is integral to the 9-1-1 coordinator's role, we feel this is an excellent place to centralize communications for their area.

In addition, each city identified as an urban area will be invited to designate a representative to ensure differences between urban and rural department needs can be identified. Any city may decide to defer this responsibility to the 9-1-1 coordinator if they deem this appropriate. These representatives will be responsible for gathering local requirements and communicating with the SIEC. Each Tribal Nation will also be given the opportunity to appoint a designated contact, which they deem most appropriate for their territory, or they may choose to share a representative.

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

Statewide baseline map project - This is a project associated with all the PSAPs and the ND 911 Association. The state is developing a single map to be used by all the PSAPs for dispatch. Representatives from the 911 Association participated on the RFP Board and quarterly updates are provided to the board by the SWIC. Individually, each PSAP is working with the project contractor to provide contents for the addressing layer.

Bank 5 Project – This is the development of a statewide interoperability public safety communications bank used by all jurisdictions for coordinating multi-agency emergency response. The project involved all of public safety (e.g. law

enforcement, fire, EMS) and all local, county and state level jurisdictions. Every public safety radio in North Dakota is mandated to have the bank installed. All radios were reprogrammed, training conducted, and exercises used to test the system. The state conducted several regional meetings during the different stages of the deployment.

Narrowbanding Project – This is a statewide initiative to meet the FCC narrowbanding regulation. The effort involved public safety (e.g. law enforcement, fire, EMS) and all local, county and state level jurisdictions. SIEC designed a deployment plan -- programming, exercise, and training. Grant money was allocated for the project to insure programming was accomplished. During the different stages of the deployment, the state conducted several regional meetings to gather local level feedback. This project resulted in the successful transition to narrowbanded channels for all state and local frequencies before the FCC's deadline.

STAGEnet – The North Dakota Statewide Technology Access for Government and Education network provides broadband connectivity, Internet access, video conferencing and other networking services for all state agencies, colleges and universities, local government, and K-12 entities. It is governed as a partnership between government and education. The governance structure consists of three committees. The Executive, Management and Technical committees and each includes representatives from state and local government, K-12 entities, colleges and universities, interactive video network, and voice communication. These committees aid in planning, prioritizing, approving standards and policies, making service level decisions, coordinating among constituencies, communicating, and identifying and providing resources. This common network platform has ensured that network services are delivered in a consistent and efficient manner to all territories and governments within North Dakota. We believe that the STAGEnet model very closely aligns with the local level network priority determinations that will be required for the SLIGP.

STAGEnet has also incorporated a consolidated VPN service. This service was designed to support mobile data applications for Public Safety personnel throughout State and local government. This VPN service provides these entities access to a common data network to share information and access local resources as well.

ND CJIS - The ND CJIS solution for an integrated criminal justice information system creates a system of links rather than a large, independent computer system. This solution requires a significant organizational integration in order to manage effectively the design, construction, implementation, and ongoing management of the enterprise. The organization model of the ND-CJIS architecture establishes executive leadership at both the state and local levels of criminal justice. Integration requires non-traditional governance solutions to ensure that a new balance between agency autonomy and countywide

integration is achieved. The ND-CJIS governance structure fosters and directs coordination across all branches of state government, and across federal, state, and local jurisdictional boundaries. In 2012, 96% of Sheriff Offices, 85% of Police Departments, and 66% of State's Attorneys were actively using the ND CJIS portal.

ND HIN - The North Dakota sixty-first legislative assembly created the Health Information Technology Office in the Department of Information Technology and created the Health Information Technology Advisory Committee. The Health Information Technology Office, upon recommendations of the advisory committee, is responsible to implement a statewide interoperable health information infrastructure that is consistent with emerging national standards; promote the adoption and use of electronic health records and other health information technologies; promote interoperability of health information systems for the purpose of improving health care quality, patient safety, and the overall efficiency of health care and public health; apply for federal funds that may be available to assist the state and health care providers in implementing and improving health information technology; establish a health information technology loan program to provide loans to health care providers for the purpose of purchasing and upgrading certified electronic health record technology, training personnel in the use of such technology, and improving the secure electronic exchange of health information.

ESCCC – Emergency Service Communications Coordinating Committee is a governing body comprised of one member from the ND 911 association, one appointed by the ND association of counties, one appointed by the ND CIO and one appointed by the Adjutant General to represent State Radio. The committee shall recommend legislative management changes to the operating standards as they relate to emergency services communications, develop guidelines regarding the allowable uses of fee revenue and serve as the governmental body to coordinate plans for emergency 911 services and internet protocol enabled emergency applications for 911. The committee is a successful example of state and local cooperation in the development of operating and fiscal policies and the coordination body to oversee the implementation of 911 solutions.

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?

Every vote counts when attempting to get a consensus within the 53 counties. Challenges typically faced include: resistance to change and the financial burden to make changes in some of the jurisdictions, especially in the rural areas.

To address these concerns the State will need to provide:

- Leadership and direction;

- Open meetings to discuss local concerns
- Clear representation for each community
- A timeframe which allows jurisdictions to participate and to plan within their budgets

Additionally, the State has run into significant challenges in working with many local entities that do not have adequate funding or staffing to support integration of new technologies. In these cases, ND DES has often provided additional support to assist with planning efforts and also helped pursue outside funding. Funding for devices and applications to be used with FirstNet will be a major concern for many of our smaller entities, especially for our numerous volunteer agencies.

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 SIEC is the primary state committee to address interoperability. However, each member of the SIEC returns to their own community and committee to share information and facilitate conversation. Those local discussions, concerns and ideas are then shared with the SIEC.

The state is organized into four regions with these groups primarily focused on emergency management/preparedness and regional response. Four regional coordinators work with the counties, tribes and groups within the region including issues of interoperability. Membership within the regional committees includes emergency managers and local responders.

The state also has a regional Incident Management Assistance Teams (IMAT) that requires regional communications options.

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

The State participates in the following:

- National SWIC meetings conducted by the National Governors Association
- Regional meetings of OEC and SAFECOM
- Collaboration with the State of Minnesota;
- Collaboration with the Four Corners (ND, SD, MT and WY) meeting in Baker, MT

- The State also works with Canada on interoperability issues and is a signatory to the International Emergency Management Compact
- The state is a member of the Emergency Management Assistance Compact and provides and received communications resources from other states during disasters.
- The state utilizes its membership in the National Association of State Chief Information Officers (NASCIO) and the National Association of State Technology Directors (NASTD) to provide interaction with other states and learn how they address public safety technology
- NRPC – 7/800MHz planning
- FEMA Region VIII RECCWG participation

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

The meetings/groups outlined are vital in the discussion about and coordination of interoperability within the State's borders and with those States and Provinces adjacent to its borders. The cross border discussions provide background, templates, and best practices. There is a common thread in that each state and entity currently relies on the other for mutual response. The existing communications plans for these mutual aid agreements will be evaluated to determine how broadband can be incorporated. This should be relatively straightforward between agencies in neighboring states, but direction from the U.S. and Canadian governments will likely be needed to identify how this can be achieved between the two countries.

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.

While there was not direct collaboration in developing this application, there were substantial conversations with our neighbor states. We also reviewed their application drafts as well. During this process, we did not identify any major differences in the approach and needs of our neighboring states.

Active discussions are also taking place to develop partnerships with neighboring states for carrying out the SLIGP activities.

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,

North Dakota includes four Federally Recognized Indian Tribes -- The Turtle Mountain Band of Chippewa, Three Affiliated Tribes (Mandan, Hidatsa, and Arikara Nation), the Spirit Lake Nation, and the Standing Rock Sioux Nation.

- The Turtle Mountain reservation is located in north central North Dakota and about seven miles south of the Canadian border. All 68,000 acres of the reservation are within Rolette County, ND.
- The Three Affiliated Tribes reservation is located in west central North Dakota and covers approximately 422,750 acres in six counties -- McLean, Mercer, Dunn, Mountrail, McKenzie and Ward.
- The Spirit Lake Reservation is located in east central North Dakota and covers approximately 53,200 acres in Benson, Eddy, Nelson and Ramsey counties.
- The Standing Rock Reservation is located in south central North Dakota and north central South Dakota. Counties include Sioux in North Dakota and Campbell, Corson, Perkins and Walworth in South Dakota. The reservation boundary covers approximately 848,000 acres.
- The Lake Traverse Reservation is located primarily in northeast South Dakota, but extends into Sergeant and Richland counties in North Dakota.



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.

Meetings have been set up to establish individual points of contact with each Tribal Nation within North Dakota. The North Dakota Indian Affairs Commission (NDIAC) is providing coordination assistance to gain involvement from each territory within North Dakota, as well as Tribal lands that extend into South Dakota. Because the NDIAC, CIO, and Adjutant General are all members of the Governor's cabinet, communication and coordination between these parties is highly efficient.

The ND Department of Emergency Services always invites representatives from the Tribes when meeting on issues of critical statewide concern. When the Tribes' direct participation is not available the state relies on the representation of organizations in which the tribes participate:

- Indian Health Service is a member of the Emergency Medical Services Association,
- Federal Bureau of Indian Affairs is a member of the Sheriffs and Chiefs Association,
- Tribal Emergency Managers are members of the Emergency Managers Association.
- ND Indian Affairs Commission

These organizations, in turn, have representation on the SIEC and the ND DESAC. Tribes are also included in outreach/training efforts planned by ND DES.

North Dakota also has two tribes that have territories, which fall within South Dakota's borders as well. We have discussed this issue with South Dakota, and have agreed to jointly participate in outreach to these territories.

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

Each of the tribes has a designated Emergency Manager and these individuals are involved in state meetings, trainings and exercises. They have provided a conduit to connect with the right department/person within the Tribe about various issues.

The North Dakota Highway Patrol has provided training assistance as well as operational assistance to tribal nations when needed based on availability of resources. Most recently, the Highway Patrol provided Three Affiliated Tribes with guidance related to their motor carrier operations program including equipment utilized by the State. This guidance was based upon the tribe's request. In addition, Highway Patrol field commanders have established working relationships with tribal law enforcement which provides the ability to successfully coordinate emergency resources when necessary.

The ND DES has also often provided significant additional assistance to Tribal nations. This assistance has improved emergency management plans and also pursued various grant opportunities.

Efforts to enhance cooperation between local and tribal law enforcement within North Dakota continue to increase. In one Tribe, Tribal police implemented a new records management system and allow city police to share the technology. This Tribe and city are also in the process of signing a memorandum of understanding that confers joint police powers upon both entities. In addition, the two police departments share the same radio frequencies. This tribe also dispatches for city police and in return shares use of city equipment. Examples such as these are expected to provide a foundation for expanded cooperation during the deployment of FirstNet.

Prior to each legislative session, the tribal nations of North Dakota present the State of the Tribes to the legislators and general public. Following the presentation, all state agency directors spend the day with the tribal nation representatives to renew their contacts and learn how the entities can better work together for the mutual benefit of North Dakotans. This process will provide a good opportunity to share information regarding the status of SLIGP activities.

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

There is regular participation from at least two tribes within North Dakota, typically through their Emergency Manager, as well as the representative groups indicated above that report back to members including tribal members.

Additionally, a Police Chief from a city within a the Three Affiliated Tribes Reservation was recently appointed to be a member of the SIEC.

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?

Each Tribe operates as its own entity so that there may or may not be commonalities when working with the individual Tribes. Typically the Tribes deal with a host of changing personnel and job titles and job assignments. It is an on-going learning process when attempting to put together projects with the Tribes. There is some stability and contact maintained through the Tribal Emergency Management Offices and 911 coordinators.

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.

Within North Dakota, there are 18 cities that have been identified as an urban cluster during the 2010 census. While we agree with this assessment, we also recognize the very rapid growth taking place because of increased oil production activities. It is difficult to find authoritative data that quantifies the current populations in many of these communities. Increased attention will be required when performing SLIGP activities in these areas.

Cities that met the 2010 census definition: Beulah, Bismarck, Devils Lake, Dickinson, Fargo, Grafton, Grand Forks, Grand Forks AFB, Jamestown, Lincoln, Mandan, Minot, Minot AFB, Rugby, Valley City, Wahpeton, West Fargo, and Williston

Rural areas are any area that do not meet the definition of urban, and include many small population centers.

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.

Currently, LTE service is being actively rolled out by Verizon Wireless. There are no other providers deploying LTE technology within North Dakota at this time.

In addition to LTE service, there are providers delivering broadband via EVDO, HSPA, and HSPA+ technologies.

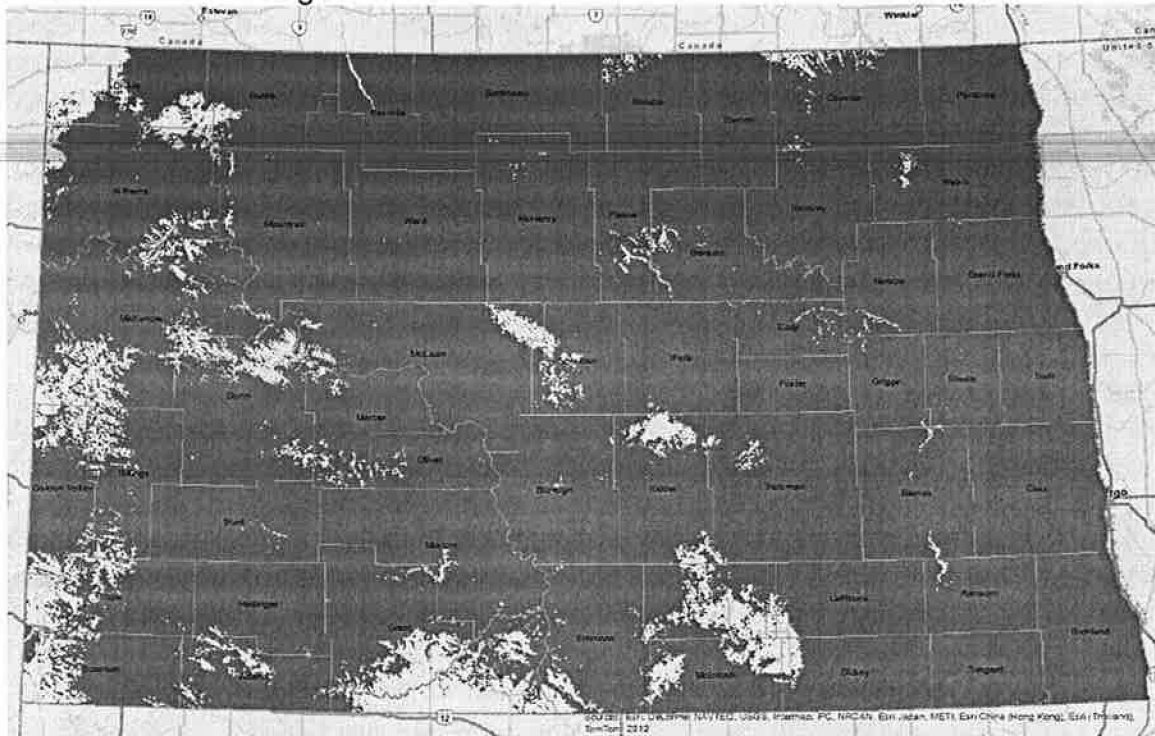
Through the State Broadband Initiative (SBI) project, under the direction of the CIO, extensive work has been done to evaluate and validate the carriers provided coverage data. At this point, it is very clear that the stated coverage is not reflective of the actual service availability in the field. It appears as though there are two primary issues:

- 1) Some carriers are reporting voice service coverage and labeling it as broadband coverage – which does not appear to be an accurate translation.
- 2) Some carriers appear to utilize elevation models that are more optimistic than the actual terrain. This tends to disguise gaps in coverage that impact the user experience.

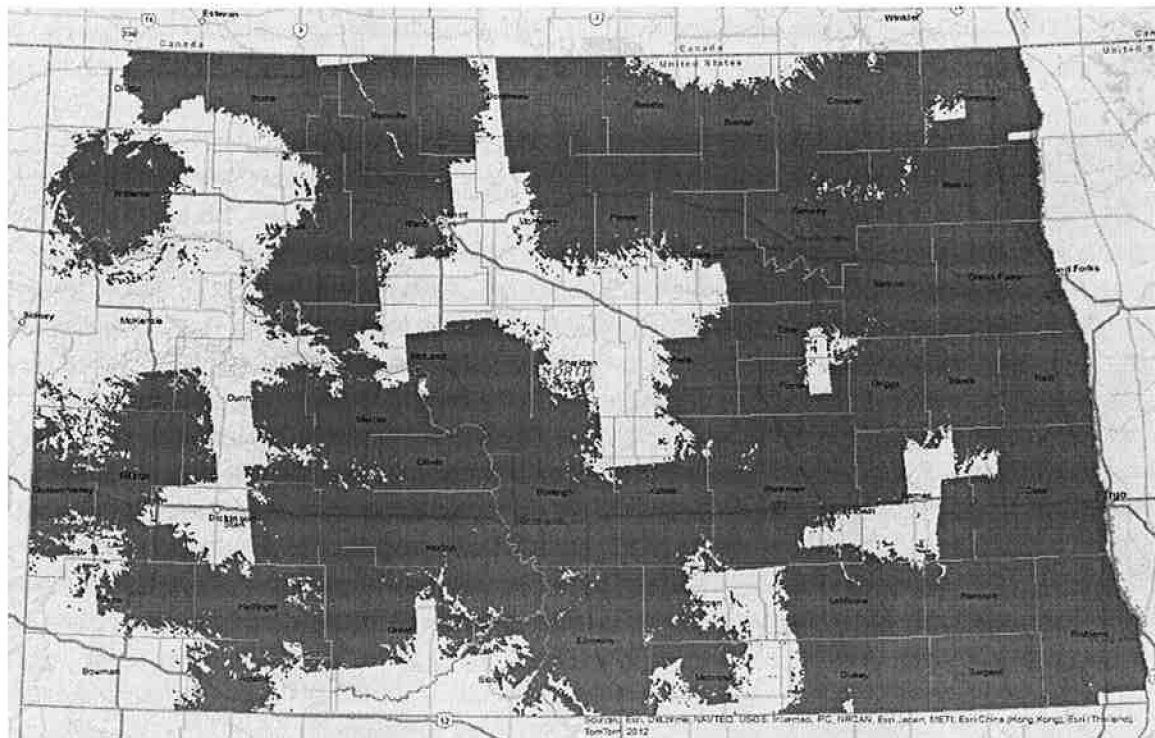
We are continuing efforts to provide further data to demonstrate these discrepancies.

The following maps are coverage provided by each carrier:

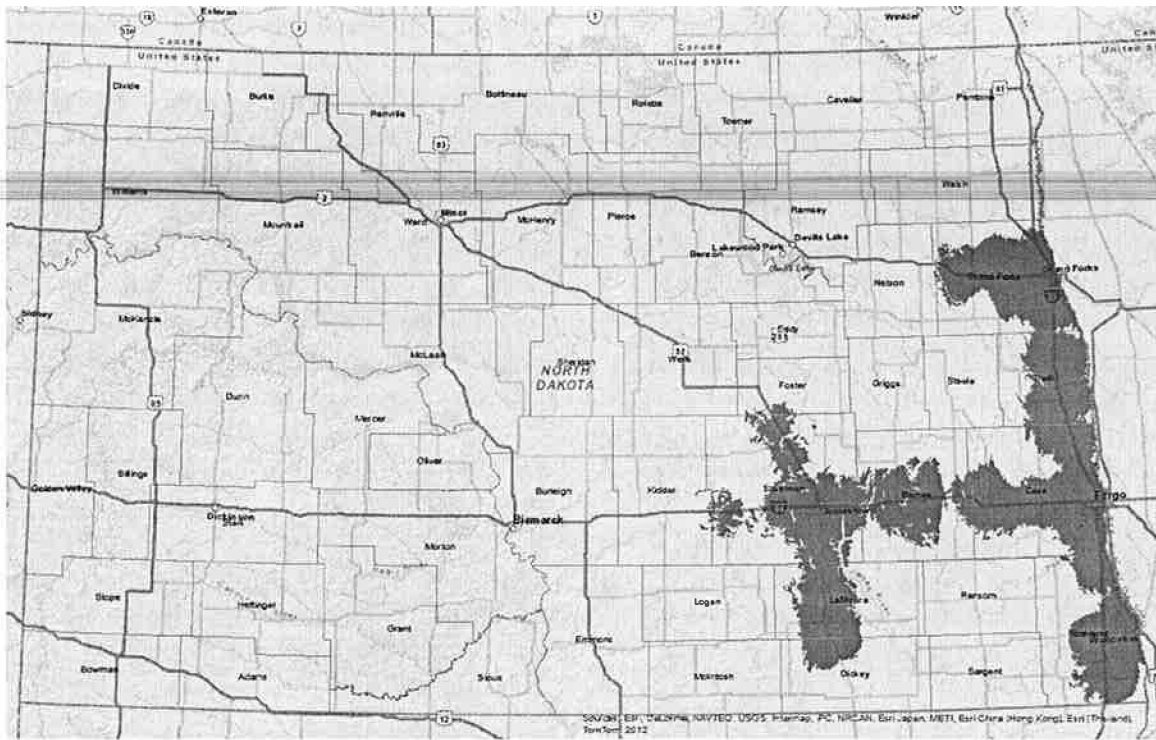
AT&T HSPA Coverage



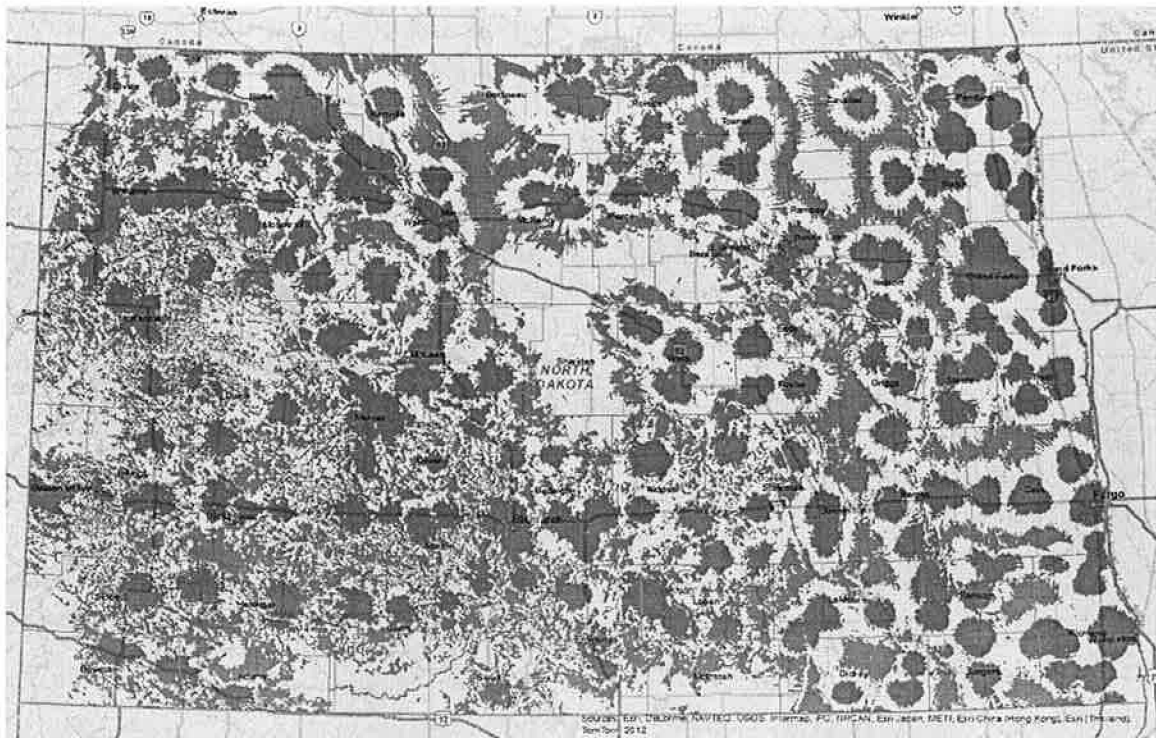
AT&T HSPA+ Coverage



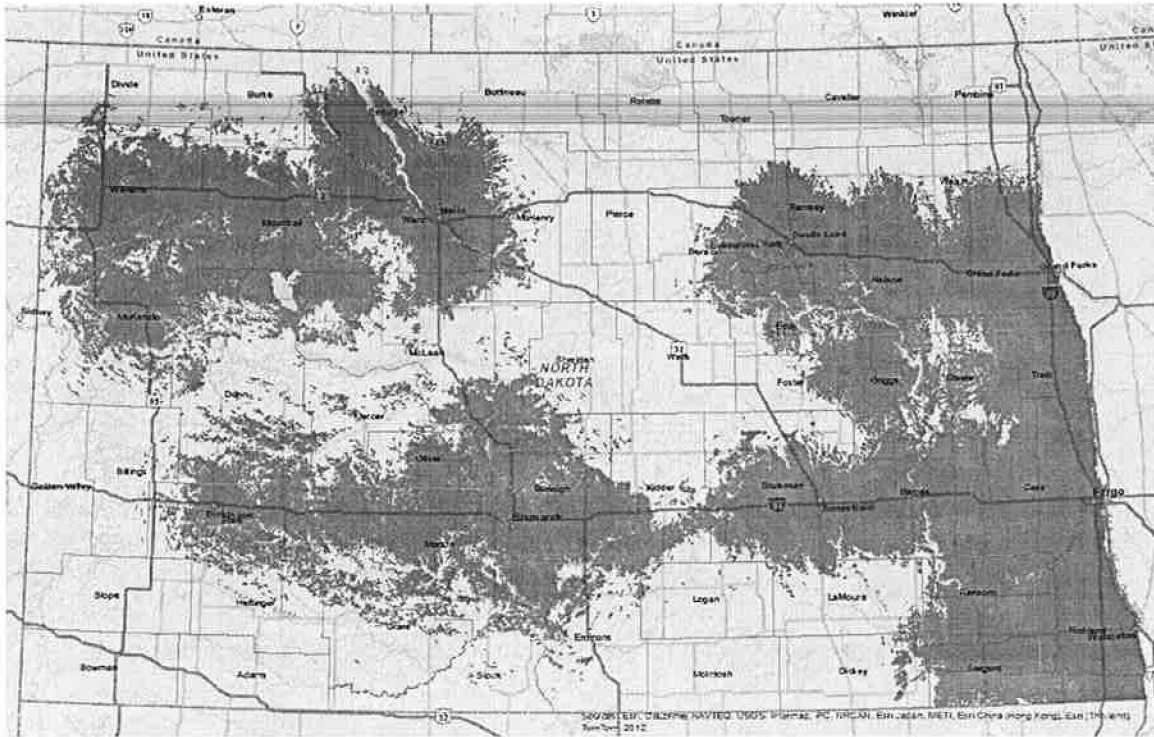
Sprint EVDO Coverage



Verizon EVDO Coverage



Verizon LTE Coverage



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.

To ensure coverage in rural areas, we will leverage each counties 9-1-1 coordinator to inventory the wide variety of agencies operating within their territory. With this data, we will structure outreach, governance, and information gathering activities to ensure we reach as many entities as are willing to participate. We will also track the number of participating entities within each rural jurisdiction (as previously defined in 7.a.) and compare that to the total number of entities identified within each jurisdiction.

To prioritize coverage in rural areas we will also utilize metrics defined for phase II to evaluate the current state of the commercial cellular networks. These metrics could include; download throughput, upload throughput, signal strength, technology type, latency, and packet loss, but will ultimately be defined by FirstNet.

In addition to evaluating the carrier networks, we will also carry out governance and needs assessment activities in rural areas. These activities will attempt to

define what technical network requirements would be needed by these rural agencies if they were using broadband technologies as a part of their emergency management scenarios. Such needs analysis will consider the requirements of various IP based applications likely to be used for public safety purposes. These requirements will vary depending on the results of the governance and needs assessment activities developed with each rural entity, and the phase II requirements set by FirstNet.

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?

A consolidated GIS hub is maintained by the ND Information Technology Department, under the CIO's direction. This hub contains location data on state owned communication assets, as well as a variety of commercial tower assets. The commercial tower database was derived from a variety of public, commercial datasets as well as field verification activities.

The Statewide Seamless Base Map project referenced in 4c is also being developed with integration to the state GIS hub.

Additionally, the ND SBI project is also built to utilize the GIS hub foundation. All data gathered through this program is centralized and processed within this infrastructure. The SBI program incorporates data collection tools that track middle mile assets for private communications assets within the state – which we expect to be very useful for the SLIGP. It is foreseeable that this infrastructure could be extended to support phase 2 data collection activities.

The STAGEnet system referenced in 4c is a public-private partnership which sources its transport services from a variety of private market carriers. It consists of a 10 Gigabit backbone ring network, which provides Ethernet connectivity to every State and Political subdivision government facility, along with every K-12 and public Higher Education facility. The entire STAGEnet system is tracked through a central inventory and monitoring database. This provides accurate data regarding the quality of network connectivity available to any site on the network.

We acknowledge that there is a lack of information about local government communications infrastructure. We anticipate addressing this issue if it is within the scope of phase II activities defined by FirstNet.

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

The ND GIS Hub takes the value of fresh GIS data very seriously. When new datasets are introduced to the hub, maintenance of the data is always taken into consideration. In most cases, simple web interfaces are developed to allow the responsible parties to provide self-serve updates.

Commercial tower, broadband coverage, and middle mile assets are updated biannually. The basemap data is updated as it is developed and will be updated in real time by each county after the project goes live. 33% of the basemap imagery will be updated every two years resulting in imagery that is never older than 6 years.

The STAGEnet database is updated in real time as network changes take place.

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.

In the summer of 2012, the state ITD contracted an evaluation of state network facilities to support NENA 75-001(NG-SEC) standards. This evaluation was largely positive, but is also resulting in the implementation of a series of physical security and redundancy enhancements. We envision a similar process for evaluation of local government network facilities, as well as state and local tower site facilities taking place during the SLIGP.

The ND ITD is also developing the procurement plan for the next phase of their STAGEnet system. Many enhancements targeted at Public Safety Broadband applications are being considered for this project. The RFP is expected to be released in the fall of 2013.

Additionally, the ND State Auditor's Office in cooperation with the ND ITD also contracts comprehensive biannual security infrastructure audits. These audits involve a series of penetration testing, social engineering, and policy analysis to identify any security risks. These audits are expected to be continued and further expanded because of the increasing support that state network resources are being used to support Public Safety. To date, these activities are funded out of the State general budget. If aligned with identified FirstNet requirements, portions of these activities could be a source of matching funds.

The North Dakota Highway Patrol (NDHP) is internationally accredited by the Commission on Accreditation for Law Enforcement Agencies, Inc. (CALEA). Within the CALEA accreditation requirements are specifications of particular relevance to communications systems evaluation:

- “Security measures for the communications center are in place to limit access to authorized personnel, protect equipment, provide for back-up resources, and provide security for transmission lines, antennas, and power sources.” (81.3.1)
- “The agency has an alternate source of electric power that is sufficient to ensure continued operation of emergency communication equipment in the event of the failure of the primary power source. A documented inspection and test of the alternate power source is completed at least monthly, or in conformance with manufacturer recommendations, and tested or operated under full load at least once a year.” (81.3.2)

The NDHP works closely with State Radio and ND Department of Transportation to gather annual proofs showing continued compliance with all communications standards including those listed above, and CALEA sends a team of assessors to conduct an on-site assessment every three years to maintain accredited status. A tour of State Radio and interviews with personnel is part of every on-site assessment. Proofs of compliance used in the past are:

- Photos of State Radio’s levels of security such as interior/exterior cameras, key card access, and internal locks.
- Photos of back-up generators and fencing located at State Radio and various tower locations.
- Radio coverage area maps showing redundancy coverage between tower sites.
- Memo from the North Dakota Department of Transportation explaining the e-mail alert system that sends a notification to personnel whenever a transmission line is compromised.
- Inspection logs showing weekly tests of State Radio’s generator in addition to periodic tests under full load.

Additionally, all ND DOT tower sites, which serve the complete State Radio network, are built and maintained to the R56 standards and guidelines for communications sites.

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.

Currently, we are unaware of any specific contractual requirements regarding hardening, security, reliability, or resiliency being applied to commercial wireless data carriers within North Dakota. Further discussion on this topic will be carried out with the political subdivisions during the county kick-off meetings to identify any agreements they may have with these carriers.

The State is currently the primary provider of wired carrier-based services to State and Local governmental agencies. The State has been in active review of SLA's associated with the contracts for those services to ensure adequate protections exist for public safety applications. Further review can be accommodated within the context of FirstNet's stated requirements.

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.

In the early stages of the SLIGP, we expect to conduct a comprehensive technology utilization survey throughout all Public Safety agencies. This will be coordinated through each county and Tribal point of contact, as well as each relevant Public Safety association to ensure participation within their area is complete.

The State intends the survey to identify both the current utilization of broadband and computer technology, but also identify technologies that are attractive to each entity. These surveys will be done based on identified metrics for Phase II activities.

Additionally, we intend the survey to document the challenges faced in using current technologies and also identify the barriers to deploying additional technologies.

Identification of the mix of government, private, and volunteer organizations will also be an area of focus. We expect this will help to identify trends in how each type of entity is using technology and identify any unique challenges these organizational structures may face in utilizing technology.

We expect this survey to provide key pieces of information:

- Key topics for development of Education and Outreach activities
- A very clear picture of what initial demand for FirstNet within North Dakota will be
- A forecast for what could be achieved if users are able to receive services that meet the needs of applications they would like to implement

This survey will be designed in a way that it can be repeated regularly so that it will continue to provide useful data and a way to evaluate progress. We view the ongoing maintenance of this data as a critical tool for keeping our Public Safety community operating in an efficient and interoperable manner.

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.

The SIEC will hold initial planning and advisory meetings. This will be followed by development of/scheduling of presentations to public safety groups. Training opportunities will be established and implemented. All of these activities will be coordinated through state staff and through contractors.

Based on research to identify public safety entities, regular education sessions will be offered at statewide association meetings such as the North Dakota Firefighters Association and the ND 911 Association. These sessions will be tailored to each association's membership based on their primary responsibilities and trends identified through the survey.

We expect to continue regular education events through the entire life of the SLIGP. During the early stages of the SLIGP, these events will be high-level program and technology introductions and as use of the network becomes imminent, the events will shift to topics focused on the implementation and utilization of the network. Over the three year grant period, quarterly meetings will be held with five public safety focused associations, totaling 60 meetings. These meetings are typically held in Fargo or Bismarck, but some are also held in regional areas, as defined by each association. Additionally, we expect to hold an annual meeting in conjunction with the North Dakota Association of Counties to provide a larger group event focused on issues from the governing level of each county. In total, this should end up being 63 events focused on education and outreach.

12. Memorandum of Agreement

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.

At this time, we are not aware of any specific legal restrictions prohibiting asset sharing MOAs from being developed.

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?

State GIS Hub – This is a centralized Esri infrastructure for use by state agencies. It is currently used as a foundation for statewide seamless base map and address point database.

SBI – This program has developed a broadband coverage and middle mile infrastructure reporting tool. It is a self-service application that the respective owners can use to submit data to the state. This tool is based on Esri web services and an Oracle database; it will also be integrated to use the Statewide Seamless Base Map for geocoding purposes. This tool processes the data provided and exports it to the NTIA for National Broadband Map reporting. Since there are already provisions for mapping point, line, and polygon assets, this application is useable to identify tower, fiber, and other communications assets. Modifications to support the defined data delivery format should be easily achievable.

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

At this time, we are not aware of any specific tools that would be needed to carry out the SLIGP. We expect to receive advice from the contractor(s) that we work with to identify any additional tools necessary.

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, we expect to continue support of the phase 1 activities. Specifically, the continuation of the educational programs, governance and needs assessments, technology utilization surveys, as well as assisting in development of MOA's for asset sharing.

Additionally, we expect to engage in data collection activities. These will likely consist of interaction with the cities, counties, Tribes, and private entities, development/refinement of database/software tools, and the continuation of field verification activities.

15. Other

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

This application was jointly developed by the ND CIO and the ND Department of Emergency Services, which employs the SWIC. Additional input was gathered

from the ND Indian Affairs Commission. No other entities took place in the development of this application.

	Federal Funds						
	Total	Personnel	Fringe Ben	Travel	Equip	Supplies	Contractual
Program Management	\$ 309,319.00	\$ 105,740.00	\$ 34,894.00	\$ 157,972.00		\$ 5,313.00	
Program Project Management	\$ 45,120.00						
Kickoff Meeting Tour	\$ 90,736.00						\$ 90,736.00
Education Meetings	\$ 17,250.00					\$ 17,250.00	
Governance & Needs Assessment	\$ 198,000.00						\$ 198,000.00
Phase II Asset Identification and Data Collection	\$ 397,750.00						\$ 397,750.00
MOA Development	\$ 109,800.00						\$ 109,800.00
	<u>\$ 1,167,975.00</u>	<u>\$ 105,740.00</u>	<u>\$ 34,894.00</u>	<u>\$ 157,972.00</u>	<u>\$ -</u>	<u>\$ 22,563.00</u>	<u>\$ 796,286.00</u>
Funds Available	\$ 1,167,975.00						
Unallocated Funds	\$ 0.00						

	State In-Kind Matching Funds						
	Total	Personnel	Fringe Ben	Travel	Equip	Supplies	Contractual
Phase II Activities: Match	\$ 70,000.00						\$ 70,000.00
Pre-award Activities	\$ 30,202.00	\$ 14,288.00	\$ 4,715.00	\$ 7,399.00			
Program Mgr.	\$ 65,468.00	\$ 49,224.00	\$ 16,244.00				
State and Local Staff Time	\$ 108,324.00	\$ 11,932.00	\$ 3,938.00				
Application Hosting	\$ 18,000.00						
	<u>\$ 291,994.00</u>	<u>\$ 75,444.00</u>	<u>\$ 24,897.00</u>	<u>\$ 7,399.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 70,000.00</u>
Match Required	\$ 291,994.00						
Match Remaining	\$ -						

Grand Total \$ 1,459,969.00 \$ 181,184.00 \$ 59,791.00 \$ 165,371.00 \$ - \$ 22,563.00 \$ 866,286.00

Other

- \$ 5,400.00 Team assigned for grant program management and oversight
- \$ 45,120.00 Resources for project management of overall grant program
 - Introductory meetings with 53 counties and 4 tribal nations. Establish local point of contact for each county and urban area.
 - Regular meetings coordinated with all public safety associations within the state, travel included in program mgmt.
 - Evaluation of current emergency response plans and incorporation of broadband needs to these plans
 - Data collection for phase 2
 - Development of legal agreements or understandings for FirstNet access to assets

\$ 50,520.00

Other

- \$ 3,800.00
- \$ 92,454.00
- \$ 18,000.00
- \$ 114,254.00

\$ 164,774.00

Pre Award Activities

Federal Trip 1	State Staff
SLIGP Preparation Time	State Staff
	Total

Federal Trip 1 - Local Staff (other)	Local Staff
--------------------------------------	-------------

Federal Trip 1 Travel Expenses

Misc. State and Local Staff Time

Federal Trip 2	State Staff
	Local Staff

Federal Trip 3	State Staff
	Local Staff

SIEC	
3 per year 1	State Staff
	Local Staff

3 per year 2	State Staff
	Local Staff

3 per year 3	State Staff
	Local Staff

** 1 hour update on Firstnet per meeting

Emergency Services Communications Coordination Committee Meetings	
ESCCC 4 per year 1	State Staff
	Local Staff

ESCCC 4 per year 2	State Staff
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ESCCC 4 per year 3

Local Staff

State Staff

Local Staff

** 1 hour update on Firstnet per meeting

911 Association Meetings

911 Association 4 per year 1

State Staff

Local Staff

911 Association 2 per year 2

State Staff

Local Staff

911 Association 2 per year 3

State Staff

Local Staff

Asset Identification Donated time (2 per territory in ND)

Local Staff

Total

Phase II Activities: Match

Match items will be determined when FirstNet identifies the data elements to be collected and NTIA requests a rev

People	Hours	Salary Rate	Fring Rate	Total Salary	Total Fringes	
	5	20 \$	38.00 \$	12.54 \$	3,800.00 \$	1,254.00 \$
	2	138 \$	38.00 \$	12.54 \$	10,488.00 \$	3,461.04 \$
					\$ 14,288.00	\$ 4,715.00

5	20 \$	38.00		\$ 3,800.00	\$ -
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Airfare	Hotel	Per-Diem	Days/Trip	Attendants	Total Travel
1507.75		200	71	2	4 \$ 7,399.00

People	Hours	Salary Rate	Fring Rate	Total Salary	Total Fringes	
	5	20 \$	38.00 \$	12.54 \$	3,800.00 \$	1,254.00 \$
	5	20 \$	38.00		\$ 3,800.00	\$ -
	5	20 \$	38.00 \$	12.54 \$	3,800.00 \$	1,254.00 \$
	5	20 \$	38.00		\$ 3,800.00	\$ -
	6	3 \$	38.00 \$	12.54 \$	684.00 \$	225.72 \$
	7	3 \$	38.00		\$ 798.00	\$ -
	6	3 \$	38.00 \$	12.54 \$	684.00 \$	225.72 \$
	7	3 \$	38.00		\$ 798.00	\$ -
	6	3 \$	38.00 \$	12.54 \$	684.00 \$	225.72 \$
	7	3 \$	38.00		\$ 798.00	\$ -
	3	4 \$	38.00 \$	12.54 \$	456.00 \$	150.48 \$
	4	4 \$	38.00		\$ 608.00	\$ -
	3	4 \$	38.00 \$	12.54 \$	456.00 \$	150.48 \$

4	4	\$	38.00		\$	608.00	\$	-	
3	4	\$	38.00	\$	12.54	\$	456.00	\$	150.48
4	4	\$	38.00			\$	608.00	\$	-
<hr/>									
2	4	\$	38.00	\$	12.54	\$	304.00	\$	100.32
4	4	\$	38.00			\$	608.00	\$	-
2	4	\$	38.00	\$	12.54	\$	304.00	\$	100.32
4	4	\$	38.00			\$	608.00	\$	-
2	4	\$	38.00	\$	12.54	\$	304.00	\$	100.32
4	4	\$	38.00			\$	608.00	\$	-
122	17	\$	38.00			\$	78,812.00	\$	-
					State Time	\$	11,932.00	\$	3,938.00
					Local Time (Other)	\$	92,454.00		

ised budget. \$ 70,000.00

Avg. Wage	\$	38.00
Fringe %		33%

Program Mgmt. Travel

	Airfare	Mileage	Hotel	Per-Diem	Days/Trip
National/Regional Travel	\$ 1,500.00		\$ 200.00	\$ 71.00	2

	Avg. Mileage	Mileage Rate	Per-diem	Hotel	Counties
Kickoff Tour Travel	400	\$ 0.36	\$ 30.00	\$ 69.30	53

	Associations	Quarters	NDACO/Cities	Hotel	Per-diem
	5		12	3 \$	69.30 \$ 30.00

Total Travel

Program Mgmt Other

Desk Phone	\$ 45.00
Mobile Phone	\$ 65.00
Misc	\$ 40.00
Monthly Total	\$ 150.00
Program Total	\$ 5,400.00

Program Mgmt. Supplies

Laptop	\$ 2,419.00
Workstation	\$ 2,894.00
Total	\$ 5,313.00

Position	Monthly Salary	Monthly Frin
Program Manager	\$ 6,077.00	\$ 2,005.41
		Federal
	Allocation	Salary
Jul-13	0%	\$ -
Aug-13	0%	\$ -
Sep-13	0%	\$ -
Oct-13	0%	\$ -
Nov-13	0%	\$ -
Dec-13	0%	\$ -
Jan-14	25%	\$ 1,519.25
Feb-14	25%	\$ 1,519.25
Mar-14	25%	\$ 1,519.25
Apr-14	25%	\$ 1,519.25
May-14	25%	\$ 1,519.25
Jun-14	25%	\$ 1,519.25
Jul-14	25%	\$ 1,519.25
Aug-14	25%	\$ 1,519.25
Sep-14	25%	\$ 1,519.25
Oct-14	25%	\$ 1,519.25
Nov-14	25%	\$ 1,519.25
Dec-14	25%	\$ 1,519.25
Jan-15	80%	\$ 4,861.60
Feb-15	80%	\$ 4,861.60
Mar-15	80%	\$ 4,861.60
Apr-15	80%	\$ 4,861.60
May-15	80%	\$ 4,861.60

Jun-15	80%	\$	4,861.60
Jul-15	80%	\$	4,861.60
Aug-15	80%	\$	4,861.60
Sep-15	80%	\$	4,861.60
Oct-15	80%	\$	4,861.60
Nov-15	80%	\$	4,861.60
Dec-15	80%	\$	4,861.60
Jan-16	80%	\$	4,861.60
Feb-16	80%	\$	4,861.60
Mar-16	80%	\$	4,861.60
Apr-16	80%	\$	4,861.60
May-16	80%	\$	4,861.60
Jun-16	80%	\$	4,861.60
Total			\$ 105,740.00

Trips/Year	Years	Attendants	Total
	2	3	10 \$ 122,520.00

Tribes	Total	Attendants	
	4	57	1 \$ 13,868.10

Nights/Trip	Mileage	Attendants	
	2 \$ 144.00	1	\$ 21,583.80

\$ 157,972.00

ges

Non Federal (In-kind Match)

Fringes	Allocation	Salary	Fringes
\$ -	25%	\$ 1,519.25	\$ 501.35
\$ -	25%	\$ 1,519.25	\$ 501.35
\$ -	25%	\$ 1,519.25	\$ 501.35
\$ -	25%	\$ 1,519.25	\$ 501.35
\$ -	25%	\$ 1,519.25	\$ 501.35
\$ -	25%	\$ 1,519.25	\$ 501.35
\$ 501.35	25%	\$ 1,519.25	\$ 501.35
\$ 501.35	25%	\$ 1,519.25	\$ 501.35
\$ 501.35	25%	\$ 1,519.25	\$ 501.35
\$ 501.35	25%	\$ 1,519.25	\$ 501.35
\$ 501.35	25%	\$ 1,519.25	\$ 501.35
\$ 501.35	25%	\$ 1,519.25	\$ 501.35
\$ 501.35	25%	\$ 1,519.25	\$ 501.35
\$ 501.35	25%	\$ 1,519.25	\$ 501.35
\$ 501.35	25%	\$ 1,519.25	\$ 501.35
\$ 501.35	25%	\$ 1,519.25	\$ 501.35
\$ 501.35	25%	\$ 1,519.25	\$ 501.35
\$ 501.35	25%	\$ 1,519.25	\$ 501.35
\$ 1,604.33	20%	\$ 1,215.40	\$ 401.08
\$ 1,604.33	20%	\$ 1,215.40	\$ 401.08
\$ 1,604.33	20%	\$ 1,215.40	\$ 401.08
\$ 1,604.33	20%	\$ 1,215.40	\$ 401.08
\$ 1,604.33	20%	\$ 1,215.40	\$ 401.08

\$ 1,604.33	20%	\$ 1,215.40	\$ 401.08	
\$ 1,604.33	20%	\$ 1,215.40	\$ 401.08	
\$ 1,604.33	20%	\$ 1,215.40	\$ 401.08	
\$ 1,604.33	20%	\$ 1,215.40	\$ 401.08	
\$ 1,604.33	20%	\$ 1,215.40	\$ 401.08	
\$ 1,604.33	20%	\$ 1,215.40	\$ 401.08	
\$ 1,604.33	20%	\$ 1,215.40	\$ 401.08	
\$ 1,604.33	20%	\$ 1,215.40	\$ 401.08	
\$ 1,604.33	20%	\$ 1,215.40	\$ 401.08	
\$ 1,604.33	20%	\$ 1,215.40	\$ 401.08	
\$ 1,604.33	20%	\$ 1,215.40	\$ 401.08	
\$ 1,604.33	20%	\$ 1,215.40	\$ 401.08	
\$ 34,894.00		\$ 49,224.00	\$ 16,244.00	\$ 65,468.00

Sr. Project Mgr. Rate	\$	94.00	
Quarters		12	
Hours / Quarter		40	
		\$ 45,120.00	Total
		\$ 3,760.00	Quarterly Estimate

Travel portion of contract

Counties	\$	53.00
Tribes	\$	4.00
Total	\$	57.00
Attendants	\$	2.00
Avg. Mileage	\$	400.00
Mileage Rate	\$	0.36
Per-diem	\$	30.00
Hotel	\$	69.30
2 Contractors	\$	27,736.00

Services portion of contract

Quote provided	\$ 63,000.00
Hours	420
Average Hourly Rate	\$ 150.00

Meetings		Marketing		Newsletter		
Associations	5	Printing / Event	\$ 150.00	Printing	\$ 190.00	Copies 1000
Quarters	12	Prints	50	Postage	\$ 460.00	Price/Copy 0.19
NDACO/Cities	3	Cost/Copy	\$ 3.00	Quarters	12	Postage Rate 0.46
Total	63		\$ 9,450.00		\$ 7,800.00	
Grand Total						\$ 17,250.00

Counties		53
Tribes		4
State Agencies		4
Total		61
Review Hours/territory		30
Avg. Review Rate	\$	100.00
Program Development hours		100
Development Avg. Rate	\$	150.00
Territory review time	\$	183,000
Develop Governance Program	\$	15,000
Total	\$	198,000

Perform Asset Inventory

Counties	53
Tribes	4
State Agencies	4
Total	61
Billed Hours Per territory	75
Avg. Contractor Rate	\$ 75.00
Territory review time (fed funds)	\$ 343,125.00

Develop Technology Survey Data

Hours	175
Avg. Rate	\$ 100.00
Total	\$ 17,500.00

Implement and Process Survey

Hours	165
Avg. Rate	\$ 75.00
# of Surveys	3
Total	\$ 37,125.00

Project Total **\$ 397,750.00**

MoA Development

Counties	53
Tribes	4
State Agencies	4
Total	61
Hours Per	12

Avg. Rate \$ 150.00

Territory review time \$ 109,800.00

North Dakota SLIGP – Budget Narrative

This budget narrative includes two sections

- Project budget and description to identify how we intend to achieve the goals of the SLIGP, and identification of the spending category totals for each project
- Matching breakout and explanation

The figures in these projects were developed using experience from recent NTIA grant programs, recent costs or quotations for similar services from contractual resources and published Federal and State travel reimbursement rates.

A spreadsheet is also provided which includes individual sheets that cover: budget overview, spending forecast, and a sheet detailing the calculations for each project identified in the overview.

Project Description and Federal Funds Budget

Within the SLIGP, North Dakota intends to implement the following initiatives:

Program Management - \$309,319.00

Program management consists of a variety of services, which sustain all of the SLIGP activities. This includes salary, fringes, supplies, and equipment for the Program Manager. It also includes travel expenses for the program manager and a variety of other program executives, including the SIEC board.

Salary - \$105,740.00 and Fringes - \$34,894.00

North Dakota uses 33% of salary as it's fringe rate. The SLIGP program manager is also the program manager for North Dakota's SBI program. To support both programs, we have allocated this persons time (and salary and fringes) using the following allocation.

	Award Start-December 2013	January 2014 - December 2014	January 2015 - award end date
SLIGP Federal Funds	0%	25%	80%
SLIGP In-kind Match	25%	25%	20%
SBI Federal Funds	75%	50%	0%
SBI In-kind Match	0%	0%	0%

North Dakota will not be hiring additional staff because departmental staffing levels are legislatively controlled and currently at maximum capacity. As previously mentioned (Supplemental Narrative, 3.d.), we expect to primarily use contractual resources to carry out the grant activities. This is a format we have successfully used on other grants of similar and larger scope.

Travel - \$ 157,972.00

Travel within the program management category includes the travel expenditures for the program manager, SIEC members, and other state and local support staff.

The program manager will be traveling to support an initial kickoff meeting with each county and tribe, for a total of 57 meetings. Each trip is estimated at an in-state hotel rate of \$69.30/night for two nights, \$60/day for two days in per-diem charges, and 400 miles per event at \$0.36/mile, averaging a total of \$403 per trip. Program manager travel for the kickoff meetings should total \$13,868.00.

The program manager will also be traveling to support education and outreach activities through the entire life of the SLIGP. During the early stages of the SLIGP, these events will be high-level program and technology introductions and as use of the network becomes imminent, the events will shift to topics focused on the implementation and utilization of the network. Over the three year grant period, quarterly meetings will be held with five public safety focused associations, totaling 60 meetings. These meetings are typically held in Fargo or Bismarck, but some are also held in regional areas, as defined by each association. Additionally, we expect to hold an annual meeting in conjunction with the North Dakota Association of Counties to provide a larger group event focused on issues from the governing level of each county. In total, this should end up being 63 events focused on education and outreach. The education events are estimated at an in-state hotel rate of \$69.30/night for two nights, \$60/day for two days in per-diem charges, and 400 miles per event at \$0.36/mile, averaging a total of \$403 per trip. This is expected to total \$21,584.00 for the duration of the SLIGP.

We also anticipate there will be two regional or national level events per year for the three year life of the grant that will require the attendance of our SIEC membership. We expect these events to cover topics requiring national and regional input and/or coordination. These trips are estimated at \$1,500/trip/person in airfare, two nights of hotel at \$200/night, two days of daily per-diem of \$71, and two days per event. This totals to \$122,520.00 in travel for the SIEC to attend regional or national events.

Supplies - \$5,313.00

This category covers the estimated cost for a laptop and workstation to be purchased for the program manager's use. We estimate \$2,419 for a laptop and \$2,894 for a workstation computer to be used by the program manager.

Other - \$5,400.00

Other includes monthly charges for mobile and office telephone service for the program manager, as well as shipping expenses. Calculations for these items are estimated using monthly charges for the duration of the program – Desk phone \$45/mo, Mobile phone \$65/mo, Misc. postage and printing \$40/mo, for a monthly total of \$150/mo, and a program total of \$5,400.

Program Project Management - \$45,120.00

Project Management resources will be sourced to oversee the implementation of the grant program as well as for each individual project within the program. This will follow North Dakota's established project management process requirements.

Other - \$45,120.00

The rate we are listing is a cost recovery rate that factors in average position salary, fringes, departmental overhead (supervisors), facility overhead, and several other items. This is an established practice on other federal programs. We do not feel it is appropriate to allocate salary and fringes because this is a rate that we charge for internal departmental projects, as well as to state and federal customers. We are required to follow OMB A-133 rules as a central service organization. For many of the Federal grants we work under for other agencies, we are required charge the same rates for services to all federal programs. We have numerous project managers assigned to projects that include federal funds using this same cost category. As we read D. 1 of OMB A-21 we are not allowed to charge a different rate for the same type of service.

We developed the hourly estimates based on current program project management resources that are used for the SBI grant program. We intend to utilize the same project management structure as is being used for that grant. This is calculated using an average rate of \$94/hr, using 40 hours/quarter, over 12 quarters.

Kickoff Meeting Tour - \$90,736.00

To begin the SLIGP we intend to conduct a series of face-to-face meetings with the leaders from Public Safety within each county, Tribe, and also with other potential secondary user groups. These meetings will serve as a forum for open dialogue between the parties involved to establish expectations for what activities the SLIGP will involve, and what the purpose of this program is. We feel that in-person meetings are the most effective way to establish positive relationships that will be required to achieve full participation throughout the program.

Contractual - \$90,736.00

Contractual resources will carry out this project, and the program manager will accompany them during the meetings. For this task, we estimated there would be two contractors traveling to a total of 57 meetings. Each trip is estimated at an in-state hotel rate of \$69.30/night for two nights, \$60/day for two days in per-diem charges, and 400 miles per event at \$0.36/mile, averaging a total of \$403 per trip. Contractual travel for the kickoff meetings should total \$ **\$27,736.00** . For the development and preparation of the kickoff tour, we have received a competitive quote for a flat rate of \$63,000. We have not selected a vendor for this activity, and plan to re-bid it in a formal RFP.

Education Meetings - \$17,250.00

We intend to deliver educational meetings to each relevant Public Safety, Tribal, and industry association throughout the state on a biannual or quarterly basis, depending on the schedule of the association's meetings. The content of these meetings will initially be focused on high-level program and technology informational materials and gradually shift towards content focused on the deployment and utilization of wireless broadband supported applications. Surveys and discussion with each group will help identify topics of particular relevance to each group.

Supplies - \$17,250.00

The development of educational materials and travel will be covered under the program management salary, fringes, and travel budget. The only expenditure directly appropriated to this budget will be for printing materials and misc. signage needed for each event, as well as the cost for a quarterly newsletter to be distributed to the membership of five public safety associations. Printing and signage is estimated at \$150/meeting over 63 projected meetings, totaling \$9,450. The newsletter is expected to be send out quarterly: Printing \$190/quarter, Postage \$420/quarter, over 12 quarters, totaling \$7,800.00

Governance & Needs Assessment - \$198,000.00

We intend this project to be carried out through intensive coordination with local level emergency managers and the Public Safety agency leaders. During this project, we will determine what the preferred local priority structure is between agencies and personnel. We will evaluate the current emergency management plans to develop a forecast for what types of applications would be used during various incidents and attempt to predict what throughput demands would be present during these different emergency incidents.

The data gathered will also be critical information for developing the needs assessment plan. This information will help better identify applications and adoption rates for developing demand models and forecasts.

Contractual - \$198,000.00

Contractual resources will provide primary support for this project, with oversight by the program manager and project manager. We utilized average contractor rates of \$100/hr and created an estimate of 30 hours per stakeholder that would be required to properly go through this process. With a total of 61 stakeholders, the outreach time totals to \$183,000. This activity will build on the time spent with these stakeholders during the kickoff-meeting project and during data collection. We also allocated \$15,000 for the contractor to develop their methodology for carrying out this project. This was calculated estimating 100 hours of effort at an average rate of \$150/hr.

Phase II Asset Identification and Data Collection - \$397,750.00

This task will be focused on the Phase II activities identified by the NTIA. We understand that 50% of our Federal funds must remain in reserve until Phase 2 has been approved by NTIA. While the specifics of this project are yet to be determined, we believe that our preliminary methodology can be tailored to successfully support those details. We expect to implement a database and user interface to meet the specifications for Phase II data collection activities. This system will allow stakeholders to access this system via the web to perform reporting on their assets.

Contractual - \$397,750.00

Within this project, we recognize that substantial assistance will need to be provided to stakeholders to properly report all of their assets identified by Phase II requirements. These activities may include collecting data on physical assets such as towers and fiber optic facilities, evaluation of commercial networks, and also building data collection tools to assist this process. We have also included a reserve fund in this project to support field verification work that may be needed. It is foreseeable that specific attributes about particular assets may not be known, and on-site verification may need to take place. We expect performing the phase 2 activities for 61 territories will take 75 hours per territory at an average rate of \$75/hr., totaling \$343,125.00.

To properly model the demand for FirstNet services within North Dakota, we believe it is important to first, baseline the current utilization of technology within Public Safety agencies. Based on identified Phase II methods and data, we may need to develop survey materials and administer a survey. Additional contractual resources may also be utilized to develop the survey delivery method and carry it out. We utilized average contractual rates and created time estimates for each of these activities, which are noted within the respective worksheet. For this project, we estimate that it would take 175 hours to develop the actual survey materials, billed at an average rate of \$100/hr, totaling \$17,500. To implement the survey, we expect it to take 165 hours, billed at \$75/hr., and the survey would be carried out annually for a total of three times, totaling \$37,125 to implement the survey. Combined with the asset

MOA Development - \$109,800.00

As shareable assets are identified, the State will engage in facilitating MoA's between the asset owners and the entity that is looking to deploy assets. We expect to develop a template MoA for FirstNet to use in ND. It is expected that the majority of this activity will fall within the Phase 2 timeline.

Contractual - \$109,800.00

The State will contract legal services for the development of the MoA template and for the assistance in development of MoAs. We have used an average contractor rate and applied it to an estimated schedule of effort required to execute MoA's with relevant parties. We estimated that MOAs would need to be developed with all 61 territories in ND, with an average of 12 hours per MOA, billed at an average rate of \$150/hr., totaling \$109,800.

State Matching Funds Budget

North Dakota will be providing in-kind matching funds of \$294,999 as required by the terms of the SLIGP. There are three categories of items that we will use to reach this amount, a Phase II activity matching, Program Manager Salary and Fringes, and Pre-Award Activities.

Phase II Activities: Match - \$70,000.00 In Kind

Match items will be determined when FirstNet identifies the data elements to be collected and NTIA requests a revised budget.

Contractual - \$70,000.00 In Kind

Match items will be determined when FirstNet identifies the data elements to be collected and NTIA requests a revised budget.

Pre-award Activities - \$ \$30,202.00 In Kind

Prior to the award of SLIGP funding, North Dakota anticipates to spend resources for staff salary and fringes for the preparation of the grant application, as well as travel for 10 people to attend the FirstNet regional training event.

Salary - \$14,288.00 Fringes - \$4,715.00 In Kind

For these items, we used an average hourly wage of \$38 and a Fringe rate of 33%.

State staff time of 20 hours, from 5 people is anticipated for attendance at the FirstNet regional planning workshop. This totals out to \$3,800 in salary and \$1,254 in fringes for state staff.

State staff time of 138 hours across 2 staff is estimated for the collaborative development of the grant application. This results in \$10,488.00 in salary and \$3,461.00 in fringes.

Other - \$3,800.00 In Kind

Local staff time of 20 hours from 5 people is also anticipated for this meeting, adding an additional \$3,800 in salary matching.

Travel - \$7,399.00 In Kind

Travel costs for 4 internal staff to attend the FirstNet regional planning workshop will be applied as match. These trips are estimated at \$1,507.75/trip/person in airfare, two nights of hotel at \$200/night, two days of daily per-diem of \$71, and two days per event, for a total of \$7,399.00

Program Management - \$65,468.00 In Kind

Program management consists of a variety of services, which sustain all of the SLIGP activities. This includes salary, fringes, supplies, and equipment for the Program Manager.

Salary - \$49,224.00 Fringes - \$16,244.00 In Kind

North Dakota uses 33% of salary as it's fringe rate. The SLIGP program manager is also the program manager for North Dakota's SBI program. To support both programs, we have allocated this persons time (and salary and fringes) using the following allocation.

	Award Start-December 2013	January 2014 - December 2014	January 2015 - award end date
SLIGP Federal Funds	0%	25%	80%
SLIGP In-kind Match	25%	25%	20%
SBI Federal Funds	75%	50%	0%

SBI In-kind Match	0%	0%	0%
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State and Local Staff Time - \$108,324.00 In Kind

We will be contributing staff salary and fringes for attendance to public safety broadband related tasks through the life of the grant. For these items, we used an average hourly wage of \$38 and a Fringe rate of 33% (for state staff). Local staff time does not include any charges for fringe benefits.

Salary - \$11,932.00 Fringes - \$3,938.00 In Kind

We anticipate two additional national or regional workshops to take place. State staff time of 20 hours, from 5 state staff is anticipated for attendance at these events. This totals out to \$7,600 in salary and \$2,508 in fringes for state staff.

We also estimate six state staff will spend one hour per SIEC meeting discussing FirstNet, over three meetings per year, totaling \$2,052.00 in salary and \$677.00 in fringes.

Similar discussions will be had at our State’s Emergency Services Communications Coordination Committee, this consists of 3 state staff, across 4 meetings / year, with 1 hour per meeting discussing FirstNet, over 3 years, totaling \$1,368.00 in salary and \$451.00 in fringes.

These discussions will also take place at the ND 911 association, consisting of 2 state staff, across 4 meetings per year, and an hour of FirstNet discussion per meeting, totaling \$912.00 in salary and \$301.00 in fringes.

Other - \$92,454.00 In Kind

We anticipate two additional national or regional workshops to take place. Local staff time of 20 hours, from 5 local staff is anticipated for attendance at these events. This totals out to \$7,600.

We also estimate 7 local staff will spend one hour per SIEC meeting discussing FirstNet, over three meetings per year, totaling \$2,394.00.

Similar discussions will be had at our State’s Emergency Services Communications Coordination Committee, this consists of 4 local staff, across 4 meetings / year, with 1 hour per meeting discussing FirstNet, over 3 years, totaling \$1,824.00.

These discussions will also take place at the ND 911 association, consisting of 4 local staff, across 4 meetings per year, and an hour of FirstNet discussion per meeting, totaling \$1,824.00.

Finally, we anticipate each county and tribe to donate 17 hours of time from two staff members for asset identification and inventory tasks, totaling \$78,812.00 in salary donations.

Application Hosting - \$18,000.00 In Kind

North Dakota’s IT Department will be hosting a website, databases, and systems designed to support Phase II data collection. The hosting of these systems will be contributed as in kind match. This cost will be split 60% (3 years) phase I and 40% (2 years) phase II.

Other - \$18,000.00 In Kind

This service is billed at a rate of \$400.00/month for a server and \$100.00/month for database services, over the life of the grant. This is a flat rate service that will initially support phase I efforts. Phase II systems can be ran in parallel on this service without a change in the overall monthly cost. Again, we are allocating the overall cost of this as 60% phase I and 40% phase II.

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>Mike Ressler</p>	<p>* TITLE</p> <p>Director</p>
<p>* APPLICANT ORGANIZATION</p> <p>State of North Dakota - Information Technology Department</p>	<p>* DATE SUBMITTED</p> <p>03/18/2013</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

State of North Dakota - Information Technology Department

* AWARD NUMBER

* PROJECT NAME

ND SLIGP

Prefix: * First Name: Mike Middle Name: J

* Last Name: Ressler Suffix:

* Title: Director

* SIGNATURE: Mike Ressler

* DATE: 03/18/2013



— State of —
North Dakota
Office of the Governor

Jack Dalrymple
Governor

March 12, 2013


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

Dear Mr. Dame,

The official state agency for the State and Local Implementation Grant Program for the State of North Dakota is the North Dakota Information Technology Department.

The contact person is Lisa Feldner, CIO, 600 East Boulevard Avenue, Department 112, Bismarck, ND 58505. Her email address is lfeldner@nd.gov and phone number is (701) 328-3193.

Sincerely,


Jack Dalrymple
Governor

37:74:58