

Application for Federal Assistance SF-424

Version 02

\* 1. Type of Submission:

- ☐ Preapplication  
☒ Application  
☐ Changed/Corrected Application

\* 2. Type of Application:

- ☒ New  
☐ Continuation  
☐ Revision

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

\* Other (Specify)

\* 3. Date Received:

Completed by Grants.gov upon submission.

4. Applicant Identifier:

SD BIT

5a. Federal Entity Identifier:

46-6000364

\* 5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

\* a. Legal Name:

South Dakota Bureau of Information and Telecommunications

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

46-6000364

\* c. Organizational DUNS:

837184274

d. Address:

\* Street1:

700 Governors Drive

Street2:

\* City:

Pierre

County:

Hughes

\* State:

SD: South Dakota

Province:

\* Country:

USA: UNITED STATES

\* Zip / Postal Code:

57501

e. Organizational Unit:

Department Name:

SD Bureau of Info & Telecom

Division Name:

Telecommunications

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

Prefix:

Mr.

\* First Name:

Jeffrey

Middle Name:

Michael

\* Last Name:

Pierce

Suffix:

Title:

Engineering Manager

Organizational Affiliation:

\* Telephone Number:

605-773-4347

Fax Number:

605-773-3741

\* Email:

jeff.pierce@state.sd.us

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Version 02

*1. Type of Submission <input type="checkbox"/> Preapplication <input type="checkbox"/> Application <input checked="" type="checkbox"/> Changed/Corrected Application		*2. Type of Application <input type="checkbox"/> New <input type="checkbox"/> Continuation <input checked="" type="checkbox"/> Revision		*If Revision, select appropriate letter(s): B * Other (Specify) B	
*3. Date Received:		4. Application Identifier:			
5a. Federal Entity Identifier: 46-60000364			*5b. Federal Award Identifier:		
<b>State Use Only:</b>					
6. Date Received by State:			7. State Application Identifier:		
<b>8. APPLICANT INFORMATION:</b>					
*a. Legal Name: South Dakota Bureau of Information and Telecommunications					
*b. Employer/Taxpayer Identification Number (EIN/TIN): 46-60000364			*c. Organizational DUNS: 837184274		
<b>d. Address:</b>					
*Street1: 700 Governors Drive Street 2: *City: Pierre County: Hughes *State: SD: South Dakota Province: Country: USA: United States					
*Zip/ Postal Code: 57501					
<b>e. Organizational Unit:</b>					
Department Name: SD Bureau of Info & Telecom			Division Name: Telecommunications		
<b>f. Name and contact information of person to be contacted on matters involving this application:</b>					
Prefix: Mr. Middle Name: *Last Name: Pierce Suffix:					
First Name: Jeffrey					
Title: Engineering Manager					
Organizational Affiliation:					
*Telephone Number: 605-773-4347			Fax Number: 605-773-3741		
>Email: jeff.pierce@state.sd.us					

# Application for Federal Assistance SF-424

Version 02

16. Congressional Districts Of:

\*a. Applicant SD-ALL

\*b. Program/Project: SD-ALL

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

17. Proposed Project:

\*a. Start Date: 8-01-2013

\*b. End Date: 8-01-2016

## 18. Estimated Funding (\$):

\*a. Federal \$1,238,103.00

\*b. Applicant \$309,528.00

\*c. State

\*d. Local

\*e. Other

\*f. Program Income

\*g. TOTAL \$1,547,631.00

## \*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: Mr.

\*First Name: David

Middle Name:

\*Last Name: Zolnowsky

Suffix:

\*Title: Chief Information Officer

\*Telephone Number: 605-773-4165

Fax Number: 605-773-3174

\*Email: david.zolnowsky@state.sd.us

\*Signature of Authorized Representative: 

Date Signed: 06/18/2013

# INSTRUCTIONS FOR THE SF-424

Public reporting burden for this collection of information is estimated to average 60 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 (0348-0043), 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.**

This is a standard form (including the continuation sheet) required for use as a cover sheet for submission of preapplications and applications and related information under discretionary programs. Some of the items are required and some are optional at the discretion of the applicant or the Federal agency (agency). Required items are identified with an asterisk on the form and are specified in the instructions below. In addition to the instructions provided below, applicants must consult agency instructions to determine specific requirements.

Item	Entry:	Item	Entry:
1.	<b>Type of Submission:</b> (Required): Select one type of submission in accordance with agency instructions. <ul style="list-style-type: none"> <li>• Preapplication</li> <li>• Application</li> <li>• Changed/Corrected Application – If requested by the agency, check if this submission is to change or correct a previously submitted application. Unless requested by the agency, applicants may not use this to submit changes after the closing date.</li> </ul>	10.	<b>Name Of Federal Agency:</b> (Required) Enter the name of the Federal agency from which assistance is being requested with this application.
2.	<b>Type of Application:</b> (Required) Select one type of application in accordance with agency instructions. <ul style="list-style-type: none"> <li>• New – An application that is being submitted to an agency for the first time.</li> <li>• Continuation - An extension for an additional funding/budget period for a project with a projected completion date. This can include renewals.</li> <li>• Revision - Any change in the Federal Government's financial obligation or contingent liability from an existing obligation. If a revision, enter the appropriate letter(s). More than one may be selected. If "Other" is selected, please specify in text box provided. <ul style="list-style-type: none"> <li>A. Increase Award      B. Decrease Award</li> <li>C. Increase Duration      D. Decrease Duration</li> <li>E. Other (specify)</li> </ul> </li> </ul>	11.	<b>Catalog Of Federal Domestic Assistance Number/Title:</b> Enter the Catalog of Federal Domestic Assistance number and title of the program under which assistance is requested, as found in the program announcement, if applicable.
3.	<b>Date Received:</b> Leave this field blank. This date will be assigned by the Federal agency.	12.	<b>Funding Opportunity Number/Title:</b> (Required) Enter the Funding Opportunity Number and title of the opportunity under which assistance is requested, as found in the program announcement.
4.	<b>Applicant Identifier:</b> Enter the entity identifier assigned by the Federal agency, if any, or applicant's control number, if applicable.	13.	<b>Competition Identification Number/Title:</b> Enter the Competition Identification Number and title of the competition under which assistance is requested, if applicable.
5a.	<b>Federal Entity Identifier:</b> Enter the number assigned to your organization by the Federal Agency, if any.	14.	<b>Areas Affected By Project:</b> List the areas or entities using the categories (e.g., cities, counties, states, etc.) specified in agency instructions. Use the continuation sheet to enter additional areas, if needed.
5b.	<b>Federal Award Identifier:</b> For new applications leave blank. For a continuation or revision to an existing award, enter the previously assigned Federal award identifier number. If a changed/corrected application, enter the Federal Identifier in accordance with agency instructions.	15.	<b>Descriptive Title of Applicant's Project:</b> (Required) Enter a brief descriptive title of the project. If appropriate, attach a map showing project location (e.g., construction or real property projects). For preapplications, attach a summary description of the project.
6.	<b>Date Received by State:</b> Leave this field blank. This date will be assigned by the State, if applicable.	16.	<b>Congressional Districts Of:</b> (Required) 16a. Enter the applicant's Congressional District, and 16b. Enter all District(s) affected by the program or project. Enter in the format: 2 characters State Abbreviation – 3 characters District Number, e.g., CA-005 for California 5 <sup>th</sup> district, CA-012 for California 12 <sup>th</sup> district, NC-103 for North Carolina's 103 <sup>rd</sup> district. <ul style="list-style-type: none"> <li>• If all congressional districts in a state are affected, enter "all" for the district number, e.g., MD-all for all congressional districts in Maryland.</li> <li>• If nationwide, i.e. all districts within all states are affected, enter US-all.</li> <li>• If the program/project is outside the US, enter 00-000.</li> </ul>
7.	<b>State Application Identifier:</b> Leave this field blank. This identifier will be assigned by the State, if applicable.	17.	<b>Proposed Project Start and End Dates:</b> (Required) Enter the proposed start date and end date of the project.
8.	<b>Applicant Information:</b> Enter the following in accordance with agency instructions: <ul style="list-style-type: none"> <li><b>a. Legal Name:</b> (Required): Enter the legal name of applicant that will undertake the assistance activity. This is the name that the organization has registered with the Central Contractor Registry. Information on registering with CCR may be obtained by visiting the Grants.gov website.</li> <li><b>b. Employer/Taxpayer Number (EIN/TIN):</b> (Required): Enter the Employer or Taxpayer Identification Number (EIN or TIN) as assigned by the Internal Revenue Service. If your organization is not in the US, enter 44-4444444.</li> <li><b>c. Organizational DUNS:</b> (Required) Enter the organization's DUNS or DUNS+4 number received from Dun and Bradstreet. Information on obtaining a DUNS number may be obtained by visiting the Grants.gov website.</li> <li><b>d. Address:</b> Enter the complete address as follows: Street address (Line 1 required), City (Required), County, State (Required, if country is US), Province, Country (Required), Zip/Postal Code (Required, if country is US).</li> <li><b>e. Organizational Unit:</b> Enter the name of the primary organizational unit (and department or division, if applicable) that will undertake the</li> </ul>	18.	<b>Estimated Funding:</b> (Required) Enter the amount requested or to be contributed during the first funding/budget period by each contributor. Value of in-kind contributions should be included on appropriate lines, as applicable. If the action will result in a dollar change to an existing award, indicate only the amount of the change. For decreases, enclose the amounts in parentheses.
		19.	<b>Is Application Subject to Review by State Under Executive Order 12372 Process?</b> Applicants should contact the State Single Point of Contact (SPOC) for Federal Executive Order 12372 to determine whether the application is subject to the





## State Of South Dakota



# State and Local Implementation Grant Program Application Supplemental Application Narrative

6-14-2013

## **Executive Overview**

This application is in response to the Federal Funding Opportunity (FFO) related to the initial steps of bringing the proposed National Public Safety Broadband Network (NPSBN) to fruition. The scope, proposed funding mechanism, and technical/spectrum overview was outlined in the Middle Class Jobs Creation Act of 2012.

In the twelve months following the passage of the above legislation, the designated system management group (FirstNet) has established a Board of Directors, held two initial meetings, and has begun the process of establishing a formal organization. Per the timelines established in the legislation, the interaction with states and territories is scheduled to begin. This interaction is to include outreach and education as an initial step, followed by a collection of data needed to design the eventual system buildout.

South Dakota has kept abreast of the activities surrounding FirstNet and the NPSBN, and has tried to be as proactive as possible in the areas where requirements have been identified. We have established a responsible governance group, a single point of contact and backup, and have developed education and outreach information to deal with early questions. We will now turn our efforts to the outreach, education and data collection as required.

The following document outlines the South Dakota response to the requested information in the FFO.

### **Contact Information:**

Jeff Pierce  
South Dakota Bureau of Information and Telecommunications  
700 Governors Drive  
Pierre, SD 57501  
Office – 605-773-4347  
jeff.pierce@state.sd.us

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## 1. Existing Governance Body

### a. Description.

The South Dakota Public Safety Communications Council (SDPSCC) was created by Executive Order 2007-05 signed by Governor Rounds March 14, 2007. The following excerpt from the South Dakota Legislative Research Council Register posted March 19, 2007 outlines the Executive Order:

*The Governor has signed **Executive Order 2007-05** dated March 14, 2007, which creates the South Dakota Public Safety Communication Council (SDPSCC) consisting of various state and local law enforcement agencies, associations, departments, and other emergency first responders. The purpose of the SDPSCC is to help determine policy and standard practice for a comprehensive and coordinated statewide emergency communications network. The SDPSCC will be administered through the South Dakota Bureau of Information and Telecommunications.*

The above excerpt outlines the *intent* of the council; the organization of the council is as follows:

Sponsor Agency – South Dakota Bureau of Information and Telecommunications (BIT), provides funding, administrative and clerical support.

Council Structure – Chairman, Vice-Chairman, Member at Large, are elected posts and serve as the Executive group with the BIT representative.

Membership – The following groups, agencies, or associations are all nominated by their respective groups and appointed by the Governor and provide a great cross-section of the users involved with public safety communications:

- South Dakota Police Chief's Association
- South Dakota Sheriff's Association
- Division of Criminal Investigation, Office of Attorney General
- South Dakota Game, Fish, and Parks
- South Dakota Department of Transportation



- South Dakota National Guard
- South Dakota Emergency Managers Association
- South Dakota Fire Fighters Association
- South Dakota Association of Healthcare Organizations
- South Dakota Department of Public Safety/Highway Patrol
- South Dakota APCO/NENA Association Chapter
- South Dakota Emergency Medical Technicians Association
- South Dakota Department of Agriculture/Wildland Fire
- South Dakota Association of County Commissioners
- South Dakota Department of Health
- Tribal Government (Current Lower Brule Sioux Tribe)
- Federal Government (Currently USDA)
- South Dakota Bureau of Information and Telecommunications

Meetings – Per adopted bylaws the council will meet on a quarterly basis. Voting rights are limited to the Governor-appointed members, and proxy representation can participate in all actions except voting. Members serve for three years per appointment, and can be reappointed as necessary. Annual member elections select the council Chairman, Vice-Chairman, and Member-At-Large. This council has now been in existence for six years and has settled in to a very efficient and effective group of advocates for their representative groups. BIT is the lead agency, but takes direction from and abides by the consensus of the group, which is now empowered to shape communications within the state.

The ability to establish a sub-committee of the council is outlined in the by-laws of the council, and has been exercised once in the past to deal with the narrowbanding issue. The subcommittee established state timelines, grant funds direction, and a clearinghouse of narrowband equipment and licensing information.

Each representative agency or organization has a rural and tribal component within its representative groups. Law enforcement, EMS, hospitals, county governments, fire services, roads, each has voting representation on the council and are expected to provide two-way communications to and from these groups through their newsletters, regional and statewide meetings, and by being an available advocate of the groups they represent. It is the intent of the council to continue to utilize the council website [sdpscc.sd.gov](http://sdpscc.sd.gov) to provide public access to the process and for reference materials.

**b. Authority**

Executive Order 2007-05 defines the following responsibilities:

- Update protocols and standards for the operation and use of the South Dakota Interoperable Communications System.
- Develop strategies and recommendations to improve current and future operations of the radio network.
- Develop recommendations for legislation or other state action that may be required to further promote public safety communications in South Dakota.
- Develop recommendations and strategies for best utilization of grant funding to improve communications in South Dakota.

The SDPSCC had a legal review of the Executive Order completed in 2012 which indicated that no additional modification would be required to include the activities surrounding the NPSBN project.

Policy decisions by the PSCC have been adopted by local, state, tribal, and federal agencies utilizing the statewide radio system, and by BIT as the responsible agency for budgeting and support for the system. Policy changes are outlined in the council charter, but are proposed with prior notice to council members, discussed and accepted or rejected on a majority vote of the appointed members. Meeting notes outlining the proceedings of each meeting are posted on the website [sdpscc.sd.gov](http://sdpscc.sd.gov). SDPSCC meetings are subject to open meetings laws, and as such all of our proceedings, notes, and presentations are all public information. Council members provide feedback to their groups.

**c. Leveraging the Governance**

The SDPSCC voted to accept the nomination as the NPSBN governance if so nominated by the Governor at the 6-26-2012 meeting. A correspondence was sent to the Governor's office outlining the requirements and how the SDPSCC could fill this role. The Governor's Office has subsequently designated the SDPSCC as the governance for the NPSBN and FirstNet purposes and Jeff Pierce of the Bureau of Information and Telecommunications (BIT), and Matt Tooley of Sioux Falls Metro Communications as Point of Contact (POC) and alternate for purposes of FirstNet. Both Jeff and Matt are SDPSCC council members. The SDPSCC was the obvious choice per their current membership.

**d. Expanding Scope of the Governance**

The SDPSCC was created by the Executive Order on the following pages, and as such outlined the membership of the governance group. In our June 2012 meeting, the council made a decision to not alter the official membership, but to expand our scope through a created broadband subcommittee. It is planned to include within this subcommittee current representation plus expertise in

networking, telecommunications (wired and wireless), and current broadband activities.

It is our plan to include within the subcommittee additional resources such as:

- 911 board representation
- Wireless companies in South Dakota
- Wireline companies in South Dakota
- BIT Network engineers
- BIT Integration/Server engineers
- Rural electric utilities
- Rural water systems
- State Chief Terminal Officer (NCIC, NLETS, etc.)

**STATE OF SOUTH DAKOTA  
OFFICE OF THE GOVERNOR  
EXECUTIVE ORDER 2007-05**

**WHEREAS**, Meeting emergency communications needs for all public safety entities in South Dakota is critical for ensuring public safety; and,

**WHEREAS**, At the encouragement of the South Dakota public safety community, the state of South Dakota has developed a comprehensive and coordinated statewide emergency communications network; and,

**WHEREAS**, A representative user group must be developed that will provide oversight for providing policy level direction related to planning, designing and implementing guidelines, best practices and standard approaches to address South Dakota's public safety communications interoperability issues.

**IT IS, THEREFORE, BY EXECUTIVE ORDER**, Directed that the Public Safety Communications Council be established and authorized to function in compliance with the following sections of this order:

*General Provisions*

Section 1. The name of the committee is the South Dakota Public Safety Communications Council (SDPSCC).

Section 2. The governor of South Dakota may appoint 18 members to the committee which are representative of the major users of the communications network. The membership shall include representatives from the following public safety agencies, professional associations and state departments:

- South Dakota Police Chief's Association
- South Dakota Sheriff's Association
- Division of Criminal Investigation, Office of the Attorney General
- South Dakota Game, Fish and Parks
- South Dakota Department of Transportation
- South Dakota National Guard
- South Dakota Emergency Managers Association
- South Dakota Fire Fighters Association
- South Dakota Association of Healthcare
- South Dakota Department of Public Safety/Highway Patrol
- South Dakota Association of Public Safety Communications Officials, Inc./National Emergency Management Association Chapter
- South Dakota Emergency Medical Technician's Association
- South Dakota Department of Agriculture/Wildland Fire

- South Dakota Association of County Commissioners
- South Dakota Department of Health
- Tribal government or tribal government association
- Federal government or federal government association
- South Dakota Bureau of Information and Telecommunications Engineering Manager

Section 3. The South Dakota Public Safety Communications Council shall foster collaboration among stakeholders at the local, federal and state level. The South Dakota Public Safety Communications Council shall focus on the following priorities:

- Update protocols and standards for the operation and use of the South Dakota Interoperable Communications System.
- Develop strategies and recommendations to improve current and future operations of the radio network.
- Develop recommendations for legislation or other state action that may be required to further promote public safety communications in South Dakota.
- Develop recommendations and strategies for best utilization of grant funding to improve communications in South Dakota.

Section 4. The South Dakota Public Safety Communications Council shall be administered by the South Dakota Bureau of Information and Telecommunications.

Section 5. Members shall be appointed for 1-year terms which end on June 30. Members may be reappointed for no more than three consecutive terms. Representatives of state agencies shall serve as long as their agency directs.

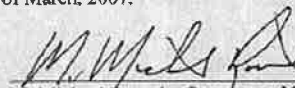
Section 6. The South Dakota Public Safety Communications Council shall elect a chairperson.

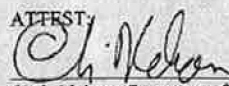
Section 7. The council shall prepare an annual report for the governor.

Section 8. All expenses and costs of administration for the council shall be paid from funds available to the Bureau of Information and Telecommunications.

Dated in Pierre, South Dakota, this 14<sup>th</sup> day of March, 2007.



  
M. Michael Rounds, Governor of South Dakota

ATTEST:  
  
Chris Nelson, Secretary of State

**e. Financial support of the Governance Group**

The SDPSCC is currently under the umbrella of the BIT general fund budget for State Radio Communications (SRC). At this point, SRC funds member travel,



secretarial support, and administrative support. There are no staff dedicated to the SDPSCC, but share resources include the BIT Telecommunications Secretary, BIT Finance Staff (grants) and the BIT Telecommunications Engineering Technical Administrator.

It is the intent to utilize SLIGP funds to facilitate the operations of the Broadband Subcommittee for the SDPSCC. BIT is not staffed to support all of the operations surrounding the NPSBN project, so expect that we will utilize either contracted personnel or a consultant to fulfill the fieldwork overseen by the broadband subcommittee, but initially define the scope of the committee duties to include:

- Setting the scope and direction of the work to be performed in the field
- Developing outreach materials to be used by consultant or contractors
- Developing a realistic timeline for milestones and events
- Developing a reporting process with consultants or contractors
- Determining current coverage, hardening, and resiliency standards for the state that will be coordinated with FirstNet.
- Coordinate with public safety and government associations
- Determine state definition of and coordinate with 2<sup>nd</sup> responders
- Provide updates for the SDPSCC website
- Submit any major directives or initiative for approval by council

It is the intent of the SDPSCC for the Broadband subcommittee to operate under the auspices of the appointed council, but with the ability to meet, organize, and develop those deliverables defined. The scope and deliverables can be modified by the council during regular meetings or by e-mail consensus. Membership to the subcommittee will be solicited from the existing council membership, from the public service sector (utilities, telecommunications providers, private industry), from all tribal governments within the state, the Municipal League (cities), Association for County Governments, interested legislators, BIT Network and Development personnel, and the Governor's Staff member assigned to this process.

An initial look at the budget for this process includes: \$52,000 for support to broadband subcommittee of the SDPSCC (estimated 20 members).

- Mileage, 20 x 150 miles @ .20/mile = \$600/meeting
  - Per diem, 20 x \$26/day = \$520/meeting
  - Per diem, 50% overnight(supper) @ \$12 = \$120/meeting
  - Lodging, 50% overnight @ \$50 = \$500/meeting
  - Meeting space @ \$100 = \$100/meeting
- \$1,840/meeting x 6 meetings/year = \$11,040**

## **2. Statewide Communications Interoperability Plan (SCIP)**

### **a. Existing Strategies and Goals**

The current South Dakota SCIP includes the following direct excerpt:

#### **Goal 4: To provide a common data network through:**

- Improvements in the statewide data network.
- Developing standards for all mobile data users in first responder community.
- Messaging capabilities between different networks.
- Adding AVL capabilities to vehicles/dispatch.
- Participation in the National Public Safety Broadband Network (NPSBN) project.

#### **Identified Gap:**

It has become increasingly important to provide data services to the field. The State of South Dakota (BIT) maintains the message switch with access to NCIC, NLETS, EPIC, and the local criminal records, driver's license, and motor vehicle databases. The lack of a single means of delivering the required information directly to the users has long been a problem, and the local system developed to serve city and county-wide areas have added to the problem by not having a single standard.

#### **Initiative 4: Provide a common data network.**

The following steps have been completed and/or are ongoing:

- A contract with Datamaxx was approved in March of 2007. Datamaxx has made arrangements with both cellular carriers in the state to utilize their data overlay for public safety use. Completed. BIT was lead.
- The offering of data rates up to and including EVDO service will vastly improve the capabilities of units operating in the field. Alltel and Verizon both plan to have systems fully upgraded by December 31, 2008. Vendor. Completed.
- It is the intent to allow messaging capabilities between users through the state message switch via the cellular data overlay. Ongoing. BIT is lead.
- AVL capabilities are being discussed to allow CAD users access to real-time mapping and officer monitoring. Ongoing. PSCC will set standard, BIT will implement.
- Assign the PSCC as point of contact agency for the NPSBN.

**b. Local Involvement in Planning Activities**

The primary means of interface to local and tribal governments has been through the activities of the SDPSCC. Our membership includes specific local and tribal representation, and has been an effective vehicle for establishing two-way communications to and from our user base. Our outreach to any group to this point has been limited because of a considerable gap in specific information that can be shared. Hopefully that information will become available sooner than later for this phase of the SLIGP.

**c. SLIGP Funding to Support SCIP**

Typically the South Dakota SCIP updates have been through a collaborative process between the council members and the BIT Technical Administrator, who provides organizational and administrative services for the group. We do have a SCIP workshop organized with OEC, and will utilize funding from this source to authorize travel for council members to attend the workshop with the idea of providing a more defined path to public safety broadband services.

Our SCIP has not had a significant change since the passage of the legislation creating FirstNet and the NPSBN. It is our intent during the calendar year 2013 to update our SCIP to include the specific information related to FirstNet, LTE, and our strategy to keep our state aligned with current technology. We have requested a broadband workshop from OEC Technical Assistance to help us correctly align our state with current technology and requirements. We have included within our SLIGP budget \$25,000 for consulting fees to have a professional overview of our SCIP and any suggested changes specific to public safety broadband. Any scope outside of public safety broadband will be excluded from the purposes of the SLIGP and will be paid for with state general funds.

**3. State-Level Involvement**

**a. SWIC Status**

The South Dakota SWIC is a part-time position, and that individual (Jeff Pierce) also serves as the Manager for the Engineering group of BIT Telecommunications. As the administrator for the SDPSCC, Mr. Pierce will coordinate the SLIGP process, and compile the input provided by council members and our user base. It is also anticipated that the SWIC will be the general manager for the project within the state and as such be the primary Point of Contact (POC) for South Dakota.

**b. CIO/CTO Involvement**

The South Dakota Chief Information Officer (CIO) is head of BIT. As the SWIC works within BIT, there is direct and daily interaction with the CIO. The CIO (David Zolnowsky) will provide access to the Governor's Office for administrative and fiscal needs related to the NPSBN. Engagement between the CIO and the Governor's Office has been ongoing concerning the scope and financial aspects of the NPSBN.

**c. Other State Level Involvement with SLIGP**

It is anticipated that all state agencies with public safety ties will have an opportunity to provide input to the SLIGP. State agencies with direct ties to the SDPSCC include:

- Division of Criminal Investigation, Office of Attorney General
- South Dakota Game, Fish, and Parks
- South Dakota Department of Transportation
- South Dakota National Guard
- South Dakota Department of Public Safety/Highway Patrol
- South Dakota Department of Agriculture/Wildland Fire
- South Dakota Department of Health
- South Dakota Bureau of Information and Telecommunications

Statewide organizations that are involved with the SDPSCC and will have direct involvement include:

- South Dakota Police Chief's Association
- South Dakota Sheriff's Association
- South Dakota Emergency Managers Association
- South Dakota Fire Fighters Association
- South Dakota Association of Healthcare Organizations
- South Dakota APCO/NENA Association Chapter
- South Dakota Emergency Medical Technicians Association
- South Dakota Association of County Commissioners

Tribal/Federal organizations that are involved with the SDPSCC and will have direct involvement include

- Tribal Government (Current Lower Brule Sioux Tribe)
- Federal Government (Currently USDA)

**d. State Staffing for the SLIGP**

Staffing requirements anticipated for the SLIGP project:

It is anticipated that staffing needed to fulfill the requirements of the SLIGP process will consist of the following:

- BIT Telecommunications Engineering Manager (30% of FTE time)  
The BIT Engineering Manager will be the overall project manager, plus the regular coordination of the SDPSCC. Duties will involve grant preparation, hiring of contracted services, status reports,

status meetings, coordination of contracted services, and inter-governmental communication.

Each of the groups managed by the Engineering Manager has a first-line manager and is not expected to be significantly impacted by the project.

- **BIT Finance Director (10% of time)**  
The BIT Finance Director will provide administrative support, ACH drawdown, reporting information, A87 compliance.
- **BIT Telecommunications Secretary (10% of FTE time)**  
The BIT Telecommunications Secretary is anticipated to spend 10% of her time on travel, mailings, meeting notes, and other related tasks.
- **Contracted coordinators. (3 FTE equivalent positions)**  
BIT Engineering does not have staffing to be reassigned to fulfill the requirements of the SLIGP. In order to adequately support users over the 77,000+ square miles of our state, we proposed to have three regional coordinators who report back to the Engineering Manager coordinating activities in specific areas.
- **Other BIT staff including technical support personnel, Chief Terminal Officer for database integration and subcommittee involvement, Program Manager for subcommittee administration.**

**e. Engagement of Private Industry and 2<sup>nd</sup> Responders**

BIT has already engaged the South Dakota Rural Electric Association (SDREA), the South Dakota Independent Telephone Companies (SDITC) with an overview of the project and an offer to supply any additional information. It is our intent to open the broadband subcommittee to any and all interested parties with encouragement for the utilities and services to participate. We expect to engage directly with wired and wireless telecommunications providers, other electric and water utility entities, and NGO's such as Red Cross, Salvation Army, and others operating within the state.

**4. Coordination with Local Government Jurisdictions**

**a. Jurisdictional Structure**

Within the 77,116 square miles of territory in South Dakota lie 390 recognized incorporated or unincorporated named towns or cities. Those cities lie within 66 recognized counties broken down into 915 townships. Emergency services are typically associated with towns and counties, but within some counties are organized fire districts that have taxing authority to support their operations.



Following find the list of communities throughout South Dakota sorted by county, with county seat noted:

<u>Plankinton †</u>	<u>Aurora</u>
<u>White Lake</u>	<u>Aurora</u>
<u>Stickney</u>	<u>Aurora</u>
<u>Aurora Center</u>	<u>Aurora</u>
<u>Storla</u>	<u>Aurora</u>
<u>Huron †</u>	<u>Beadle</u>
<u>Wolsey</u>	<u>Beadle</u>
<u>Wessington</u>	<u>Beadle</u>
<u>Cavour</u>	<u>Beadle</u>
<u>Yale</u>	<u>Beadle</u>
<u>Hitchcock</u>	<u>Beadle</u>
<u>Broadland</u>	<u>Beadle</u>
<u>Virgil</u>	<u>Beadle</u>
<u>Morningside</u>	<u>Beadle</u>
<u>Martin †</u>	<u>Bennett</u>
<u>Allen</u>	<u>Bennett</u>
<u>Springfield</u>	<u>Bon Homme</u>
<u>Tyndall †</u>	<u>Bon Homme</u>
<u>Scotland</u>	<u>Bon Homme</u>
<u>Avon</u>	<u>Bon Homme</u>
<u>Tabor</u>	<u>Bon Homme</u>
<u>Running Water</u>	<u>Bon Homme</u>
<u>Brookings †</u>	<u>Brookings</u>
<u>Volga</u>	<u>Brookings</u>
<u>Elkton</u>	<u>Brookings</u>
<u>Aurora</u>	<u>Brookings</u>
<u>White</u>	<u>Brookings</u>
<u>Bruce</u>	<u>Brookings</u>
<u>Sinai</u>	<u>Brookings</u>
<u>Bushnell</u>	<u>Brookings</u>
<u>Aberdeen †</u>	<u>Brown</u>
<u>Groton</u>	<u>Brown</u>
<u>Warner</u>	<u>Brown</u>
<u>Hecla</u>	<u>Brown</u>
<u>Frederick</u>	<u>Brown</u>
<u>Columbia</u>	<u>Brown</u>
<u>Westport</u>	<u>Brown</u>
<u>Claremont</u>	<u>Brown</u>
<u>Stratford</u>	<u>Brown</u>
<u>Verdon</u>	<u>Brown</u>
<u>Bath</u>	<u>Brown</u>

<u>Bath Corner</u>	<u>Brown</u>
<u>Ferney</u>	<u>Brown</u>
<u>Mansfield</u>	<u>Brown</u>
<u>Chamberlain †</u>	<u>Brule</u>
<u>Kimball</u>	<u>Brule</u>
<u>Pukwana</u>	<u>Brule</u>
<u>Bijou Hills</u>	<u>Brule</u>
<u>Ola</u>	<u>Brule</u>
<u>Fort Thompson</u>	<u>Buffalo</u>
<u>Gann Valley</u>	<u>Buffalo</u>
<u>Belle Fourche †</u>	<u>Butte</u>
<u>Newell</u>	<u>Butte</u>
<u>Nisland</u>	<u>Butte</u>
<u>Fruitdale</u>	<u>Butte</u>
<u>Vale</u>	<u>Butte</u>
<u>Herreid</u>	<u>Campbell</u>
<u>Pollock</u>	<u>Campbell</u>
<u>Mound City †</u>	<u>Campbell</u>
<u>Artas</u>	<u>Campbell</u>
<u>Wagner</u>	<u>Charles Mix</u>
<u>Platte</u>	<u>Charles Mix</u>
<u>Lake Andes †</u>	<u>Charles Mix</u>
<u>Geddes</u>	<u>Charles Mix</u>
<u>Pickstown</u>	<u>Charles Mix</u>
<u>Dante</u>	<u>Charles Mix</u>
<u>Ravinia</u>	<u>Charles Mix</u>
<u>Marty</u>	<u>Charles Mix</u>
<u>Clark †</u>	<u>Clark</u>
<u>Willow Lake</u>	<u>Clark</u>
<u>Bradley</u>	<u>Clark</u>
<u>Garden City</u>	<u>Clark</u>
<u>Raymond</u>	<u>Clark</u>
<u>Vienna</u>	<u>Clark</u>
<u>Naples</u>	<u>Clark</u>
<u>Crocker</u>	<u>Clark</u>
<u>Vermillion †</u>	<u>Clay</u>
<u>Irene</u>	<u>Clay</u>
<u>Wakonda</u>	<u>Clay</u>
<u>Watertown †</u>	<u>Codington</u>
<u>Florence</u>	<u>Codington</u>
<u>Henry</u>	<u>Codington</u>
<u>South Shore</u>	<u>Codington</u>
<u>Kranzburg</u>	<u>Codington</u>

<u>Wallace</u>	<u>Codington</u>
<u>Waverly</u>	<u>Codington</u>
<u>McLaughlin</u>	<u>Corson</u>
<u>McIntosh †</u>	<u>Corson</u>
<u>Morristown</u>	<u>Corson</u>
<u>Bullhead</u>	<u>Corson</u>
<u>Little Eagle</u>	<u>Corson</u>
<u>Custer †</u>	<u>Custer</u>
<u>Hermosa</u>	<u>Custer</u>
<u>Buffalo Gap</u>	<u>Custer</u>
<u>Pringle</u>	<u>Custer</u>
<u>Fairburn</u>	<u>Custer</u>
<u>Mitchell †</u>	<u>Davison</u>
<u>Mount Vernon</u>	<u>Davison</u>
<u>Ethan</u>	<u>Davison</u>
<u>Loomis</u>	<u>Davison</u>
<u>Webster †</u>	<u>Day</u>
<u>Waubay</u>	<u>Day</u>
<u>Bristol</u>	<u>Day</u>
<u>Roslyn</u>	<u>Day</u>
<u>Pierpont</u>	<u>Day</u>
<u>Andover</u>	<u>Day</u>
<u>Grenville</u>	<u>Day</u>
<u>Butler</u>	<u>Day</u>
<u>Lily</u>	<u>Day</u>
<u>Clear Lake †</u>	<u>Deuel</u>
<u>Gary</u>	<u>Deuel</u>
<u>Toronto</u>	<u>Deuel</u>
<u>Goodwin</u>	<u>Deuel</u>
<u>Astoria</u>	<u>Deuel</u>
<u>Brandt</u>	<u>Deuel</u>
<u>Altamont</u>	<u>Deuel</u>
<u>Eagle Butte</u>	<u>Dewey</u>
<u>Timber Lake †</u>	<u>Dewey</u>
<u>Isabel</u>	<u>Dewey</u>
<u>Green Grass</u>	<u>Dewey</u>
<u>La Plant</u>	<u>Dewey</u>
<u>North Eagle Butte</u>	<u>Dewey</u>
<u>Whitehorse</u>	<u>Dewey</u>
<u>Armour †</u>	<u>Douglas</u>
<u>Corsica</u>	<u>Douglas</u>
<u>Delmont</u>	<u>Douglas</u>
<u>Harrison</u>	<u>Douglas</u>

<u>New Holland</u>	<u>Douglas</u>
<u>Ipswich †</u>	<u>Edmunds</u>
<u>Bowdle</u>	<u>Edmunds</u>
<u>Roscoe</u>	<u>Edmunds</u>
<u>Hosmer</u>	<u>Edmunds</u>
<u>Hot Springs †</u>	<u>Fall River</u>
<u>Edgemont</u>	<u>Fall River</u>
<u>Oelrichs</u>	<u>Fall River</u>
<u>Faulkton †</u>	<u>Faulk</u>
<u>Cresbard</u>	<u>Faulk</u>
<u>Orient</u>	<u>Faulk</u>
<u>Seneca</u>	<u>Faulk</u>
<u>Rockham</u>	<u>Faulk</u>
<u>Chelsea</u>	<u>Faulk</u>
<u>Onaka</u>	<u>Faulk</u>
<u>Milbank †</u>	<u>Grant</u>
<u>Big Stone City</u>	<u>Grant</u>
<u>Revilla</u>	<u>Grant</u>
<u>Stockholm</u>	<u>Grant</u>
<u>Strandburg</u>	<u>Grant</u>
<u>Twin Brooks</u>	<u>Grant</u>
<u>La Bolt</u>	<u>Grant</u>
<u>Marvin</u>	<u>Grant</u>
<u>Albee</u>	<u>Grant</u>
<u>Gregory</u>	<u>Gregory</u>
<u>Burke †</u>	<u>Gregory</u>
<u>Bonesteel</u>	<u>Gregory</u>
<u>Dallas</u>	<u>Gregory</u>
<u>Fairfax</u>	<u>Gregory</u>
<u>Herrick</u>	<u>Gregory</u>
<u>St. Charles</u>	<u>Gregory</u>
<u>Philip †</u>	<u>Haakon</u>
<u>Midland</u>	<u>Haakon</u>
<u>Estelline</u>	<u>Hamlin</u>
<u>Castlewood</u>	<u>Hamlin</u>
<u>Lake Norden</u>	<u>Hamlin</u>
<u>Bryant</u>	<u>Hamlin</u>
<u>Hayti †</u>	<u>Hamlin</u>
<u>Hazel</u>	<u>Hamlin</u>
<u>Lake Poinsett</u>	<u>Hamlin</u>
<u>Miller †</u>	<u>Hand</u>
<u>St. Lawrence</u>	<u>Hand</u>
<u>Ree Heights</u>	<u>Hand</u>

<u>Alexandria †</u>	<u>Hanson</u>
<u>Emery</u>	<u>Hanson</u>
<u>Fulton</u>	<u>Hanson</u>
<u>Farmer</u>	<u>Hanson</u>
<u>Buffalo †</u>	<u>Harding</u>
<u>Camp Crook</u>	<u>Harding</u>
<u>Pierre ††</u>	<u>Hughes</u>
<u>Blunt</u>	<u>Hughes</u>
<u>Harrold</u>	<u>Hughes</u>
<u>Parkston</u>	<u>Hutchinson</u>
<u>Freeman</u>	<u>Hutchinson</u>
<u>Tripp</u>	<u>Hutchinson</u>
<u>Menno</u>	<u>Hutchinson</u>
<u>Dimock</u>	<u>Hutchinson</u>
<u>Olivet †</u>	<u>Hutchinson</u>
<u>Kaylor</u>	<u>Hutchinson</u>
<u>Milltown</u>	<u>Hutchinson</u>
<u>Highmore †</u>	<u>Hyde</u>
<u>Kadoka †</u>	<u>Jackson</u>
<u>Interior</u>	<u>Jackson</u>
<u>Belvidere</u>	<u>Jackson</u>
<u>Cottonwood</u>	<u>Jackson</u>
<u>Wanblee</u>	<u>Jackson</u>
<u>Wessington Springs †</u>	<u>Jerauld</u>
<u>Alpena</u>	<u>Jerauld</u>
<u>Lane</u>	<u>Jerauld</u>
<u>Murdo †</u>	<u>Jones</u>
<u>Draper</u>	<u>Jones</u>
<u>Okaton</u>	<u>Jones</u>
<u>De Smet †</u>	<u>Kingsbury</u>
<u>Arlington</u>	<u>Kingsbury</u>
<u>Lake Preston</u>	<u>Kingsbury</u>
<u>Iroquois</u>	<u>Kingsbury</u>
<u>Oldham</u>	<u>Kingsbury</u>
<u>Badger</u>	<u>Kingsbury</u>
<u>Hetland</u>	<u>Kingsbury</u>
<u>Erwin</u>	<u>Kingsbury</u>
<u>Bancroft</u>	<u>Kingsbury</u>
<u>Madison †</u>	<u>Lake</u>
<u>Ramona</u>	<u>Lake</u>
<u>Wentworth</u>	<u>Lake</u>
<u>Nunda</u>	<u>Lake</u>
<u>Brant Lake</u>	<u>Lake</u>



<u>Chester</u>	<u>Lake</u>
<u>Lake Madison</u>	<u>Lake</u>
<u>Winfred</u>	<u>Lake</u>
<u>Spearfish</u>	<u>Lawrence</u>
<u>Lead</u>	<u>Lawrence</u>
<u>Deadwood †</u>	<u>Lawrence</u>
<u>Whitewood</u>	<u>Lawrence</u>
<u>Central City</u>	<u>Lawrence</u>
<u>North Spearfish</u>	<u>Lawrence</u>
<u>St. Onge</u>	<u>Lawrence</u>
<u>Harrisburg</u>	<u>Lincoln</u>
<u>Tea</u>	<u>Lincoln</u>
<u>Canton †</u>	<u>Lincoln</u>
<u>Lennox</u>	<u>Lincoln</u>
<u>Worthing</u>	<u>Lincoln</u>
<u>Hudson</u>	<u>Lincoln</u>
<u>Fairview</u>	<u>Lincoln</u>
<u>Shindler</u>	<u>Lincoln</u>
<u>Presho</u>	<u>Lyman</u>
<u>Oacoma</u>	<u>Lyman</u>
<u>Kennebec †</u>	<u>Lyman</u>
<u>Reliance</u>	<u>Lyman</u>
<u>Lower Brule</u>	<u>Lyman</u>
<u>Vivian</u>	<u>Lyman</u>
<u>Britton †</u>	<u>Marshall</u>
<u>Veblen</u>	<u>Marshall</u>
<u>Langford</u>	<u>Marshall</u>
<u>Eden</u>	<u>Marshall</u>
<u>Lake City</u>	<u>Marshall</u>
<u>Kidder</u>	<u>Marshall</u>
<u>Salem †</u>	<u>McCook</u>
<u>Canistota</u>	<u>McCook</u>
<u>Bridgewater</u>	<u>McCook</u>
<u>Montrose</u>	<u>McCook</u>
<u>Spencer</u>	<u>McCook</u>
<u>Eureka</u>	<u>McPherson</u>
<u>Leola †</u>	<u>McPherson</u>
<u>Long Lake</u>	<u>McPherson</u>
<u>Wetonka</u>	<u>McPherson</u>
<u>Hillsview</u>	<u>McPherson</u>
<u>Sturgis †</u>	<u>Meade</u>
<u>Summerset</u>	<u>Meade</u>
<u>Faith</u>	<u>Meade</u>

<u>Piedmont</u>	<u>Meade</u>
<u>Blackhawk</u>	<u>Meade</u>
<u>Blucksberg Mountain</u>	<u>Meade</u>
<u>White River †</u>	<u>Mellette</u>
<u>Wood</u>	<u>Mellette</u>
<u>Corn Creek</u>	<u>Mellette</u>
<u>Norris</u>	<u>Mellette</u>
<u>Howard †</u>	<u>Miner</u>
<u>Carthage</u>	<u>Miner</u>
<u>Canova</u>	<u>Miner</u>
<u>Vilas</u>	<u>Miner</u>
<u>Roswell</u>	<u>Miner</u>
<u>Fedora</u>	<u>Miner</u>
<u>Sioux Falls †</u>	<u>Minnehaha</u>
<u>Brandon</u>	<u>Minnehaha</u>
<u>Dell Rapids</u>	<u>Minnehaha</u>
<u>Hartford</u>	<u>Minnehaha</u>
<u>Crooks</u>	<u>Minnehaha</u>
<u>Garretson</u>	<u>Minnehaha</u>
<u>Baltic</u>	<u>Minnehaha</u>
<u>Valley Springs</u>	<u>Minnehaha</u>
<u>Colton</u>	<u>Minnehaha</u>
<u>Humboldt</u>	<u>Minnehaha</u>
<u>Sherman</u>	<u>Minnehaha</u>
<u>Anderson</u>	<u>Minnehaha</u>
<u>Meadow View Addition</u>	<u>Minnehaha</u>
<u>Pine Lakes Addition</u>	<u>Minnehaha</u>
<u>Renner Corner</u>	<u>Minnehaha</u>
<u>Flandreau †</u>	<u>Moody</u>
<u>Colman</u>	<u>Moody</u>
<u>Egan</u>	<u>Moody</u>
<u>Trent</u>	<u>Moody</u>
<u>Ward</u>	<u>Moody</u>
<u>Rapid City †</u>	<u>Pennington</u>
<u>Box Elder</u>	<u>Pennington</u>
<u>Hill City</u>	<u>Pennington</u>
<u>Wall</u>	<u>Pennington</u>
<u>New Underwood</u>	<u>Pennington</u>
<u>Keystone</u>	<u>Pennington</u>
<u>Wasta</u>	<u>Pennington</u>
<u>Quinn</u>	<u>Pennington</u>
<u>Ashland Heights</u>	<u>Pennington</u>
<u>Colonial Pine Hills</u>	<u>Pennington</u>

<u>Green Valley</u>	<u>Pennington</u>
<u>Johnson Siding</u>	<u>Pennington</u>
<u>Rapid Valley</u>	<u>Pennington</u>
<u>Lemmon</u>	<u>Perkins</u>
<u>Bison †</u>	<u>Perkins</u>
<u>Prairie City</u>	<u>Perkins</u>
<u>Gettysburg †</u>	<u>Potter</u>
<u>Hoven</u>	<u>Potter</u>
<u>Lebanon</u>	<u>Potter</u>
<u>Tolstoy</u>	<u>Potter</u>
<u>Sisseton †</u>	<u>Roberts</u>
<u>Wilmot</u>	<u>Roberts</u>
<u>Rosholt</u>	<u>Roberts</u>
<u>Summit</u>	<u>Roberts</u>
<u>New Effington</u>	<u>Roberts</u>
<u>Peever</u>	<u>Roberts</u>
<u>Corona</u>	<u>Roberts</u>
<u>Claire City</u>	<u>Roberts</u>
<u>Ortley</u>	<u>Roberts</u>
<u>White Rock</u>	<u>Roberts</u>
<u>Agency Village</u>	<u>Roberts</u>
<u>Goodwill</u>	<u>Roberts</u>
<u>Long Hollow</u>	<u>Roberts</u>
<u>Woonsocket †</u>	<u>Sanborn</u>
<u>Letcher</u>	<u>Sanborn</u>
<u>Artesian</u>	<u>Sanborn</u>
<u>Forestburg</u>	<u>Sanborn</u>
<u>Batesland</u>	<u>Shannon</u>
<u>Kyle</u>	<u>Shannon</u>
<u>Manderson-White Horse Creek</u>	<u>Shannon</u>
<u>Oglala</u>	<u>Shannon</u>
<u>Pine Ridge</u>	<u>Shannon</u>
<u>Porcupine</u>	<u>Shannon</u>
<u>Wounded Knee</u>	<u>Shannon</u>
<u>Redfield †</u>	<u>Spink</u>
<u>Mellette</u>	<u>Spink</u>
<u>Tulare</u>	<u>Spink</u>
<u>Doland</u>	<u>Spink</u>
<u>Frankfort</u>	<u>Spink</u>
<u>Northville</u>	<u>Spink</u>
<u>Conde</u>	<u>Spink</u>
<u>Ashton</u>	<u>Spink</u>
<u>Brentford</u>	<u>Spink</u>

<u>Turton</u>	<u>Spink</u>
<u>Fort Pierre †</u>	<u>Stanley</u>
<u>Onida †</u>	<u>Sully</u>
<u>Agar</u>	<u>Sully</u>
<u>Cow Creek</u>	<u>Sully</u>
<u>Mission</u>	<u>Todd</u>
<u>St. Francis</u>	<u>Todd</u>
<u>Antelope</u>	<u>Todd</u>
<u>Okreek</u>	<u>Todd</u>
<u>Parmelee</u>	<u>Todd</u>
<u>Rosebud</u>	<u>Todd</u>
<u>Soldier Creek</u>	<u>Todd</u>
<u>Spring Creek</u>	<u>Todd</u>
<u>Two Strike</u>	<u>Todd</u>
<u>White Horse</u>	<u>Todd</u>
<u>Winner †</u>	<u>Tripp</u>
<u>Colome</u>	<u>Tripp</u>
<u>New Witten</u>	<u>Tripp</u>
<u>Hamill</u>	<u>Tripp</u>
<u>Parker †</u>	<u>Turner</u>
<u>Centerville</u>	<u>Turner</u>
<u>Marion</u>	<u>Turner</u>
<u>Viborg</u>	<u>Turner</u>
<u>Hurley</u>	<u>Turner</u>
<u>Chancellor</u>	<u>Turner</u>
<u>Monroe</u>	<u>Turner</u>
<u>Davis</u>	<u>Turner</u>
<u>Dolton</u>	<u>Turner</u>
<u>North Sioux City</u>	<u>Union</u>
<u>Beresford</u>	<u>Union</u>
<u>Elk Point †</u>	<u>Union</u>
<u>Alcester</u>	<u>Union</u>
<u>Jefferson</u>	<u>Union</u>
<u>Dakota Dunes</u>	<u>Union</u>
<u>Richland</u>	<u>Union</u>
<u>Mobridge</u>	<u>Walworth</u>
<u>Selby †</u>	<u>Walworth</u>
<u>Java</u>	<u>Walworth</u>
<u>Glenham</u>	<u>Walworth</u>
<u>Akaska</u>	<u>Walworth</u>
<u>Lowry</u>	<u>Walworth</u>
<u>Yankton †</u>	<u>Yankton</u>
<u>Gayville</u>	<u>Yankton</u>

<u>Mission Hill</u>	<u>Yankton</u>
<u>Volin</u>	<u>Yankton</u>
<u>Lesterville</u>	<u>Yankton</u>
<u>Utica</u>	<u>Yankton</u>
<u>Dupree †</u>	<u>Ziebach</u>

**b. State Engagement of Local Jurisdictions**

The State of South Dakota has long engaged local jurisdictions to support interoperable communications. Current representation at the local level within the SDPSCC is:

- County Level: Emergency Managers Association, Sheriff's Association, Association of County Officials
- Local Level: Police Chief's Association, Association of Emergency Medical Technicians, South Dakota Firefighters

It will be our approach to continue the current two-way communications through these representatives as well as provide outreach to the local level through contracted representatives. We will also have a defined area for each of the regional contractors and milestones for interaction with each of the entities within that area. Our initial emphasis is a face to face with each to establish a line of communications, and allow the local agencies to ask questions and have a better idea of what is coming.

**c. Past Methodology for Local Coordination**

Section b. outlines what has been our approach in the past. In addition to the SDPSCC, our technical staff at State Radio has responded to any requests for assistance and has such established a good relationship with these entities.

The SDPSCC has also coordinated with the state SAA on coordination of grants such as the PSIC, IECGP, and other statewide grants. The SDPSCC has routinely set guidance for equipment, services, and other relevant guidelines for grant use and funds expenditures. Council members have routinely been called upon to explain to their representative groups the guidelines and allowable expenses of these grants.

**d. Past Challenges for Local Coordination**

Our most significant challenge when engaging local entities is the sheer size of our state and the volunteer nature of most local first responders. It is our intent to regionally place consultants/contractors to interact with local

agencies and become familiar with the local resources when it comes time for data collection.

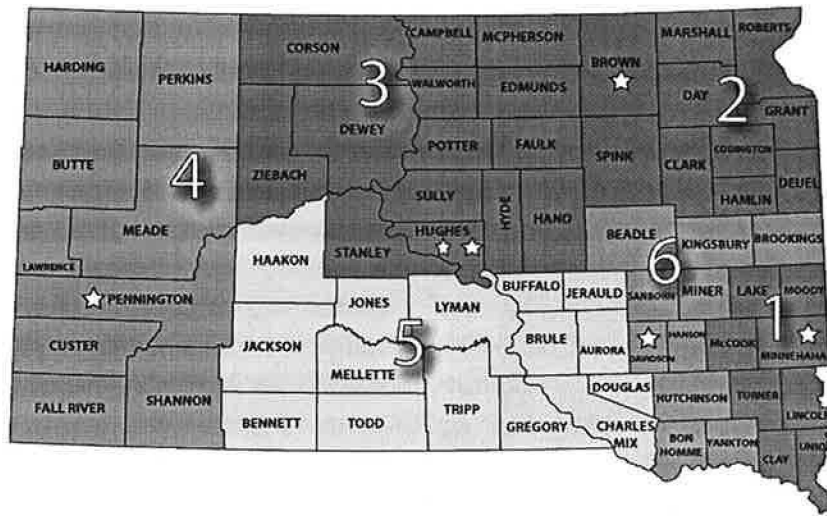
We envision these regional consultants having a script that encompasses the subjects of priority, training needs, perceived level of participation, any issues with budgets relating to present/anticipated participation, and any other user-related issues. We anticipate the broadband subcommittee handling the stakeholders needs and advising FirstNet for tower placement, hardening, coverage requirements, reliability, security, legal, and financial/business analysis. Finally we expect that the SDPSCC will provide oversight to the broadband subcommittee, and relay information from that group out to the first responders that they represent. The SDPSCC is well attended and in six years of operation we have always made a quorum, allowing us to conduct business. This dedication to their fellow first responders demonstrates a commitment to improving communications for all in our state.

Our past experience with such programs as radio training have involved utilizing statewide meeting to present and gather feedback that allow BIT and the SDPSCC to tailor programs to best fit the needs of users. Our radio training program has been through three revisions before release in order to provide the users across the state with an appropriate program. We view that interaction and feedback as imperative for success of the NPSBN.

## **5. Regional Coordination**

### **a. Regional Representation**

South Dakota does have some regional groups, primarily associated with emergency management and regional response. The Office of Emergency Management (OEM) has the following six organized and coordinated regions:



The state also has region Incident Management Assistance Teams (IMAT) that require regional communications.

The regional coordinators for the above six OEM regions work through the Emergency Management representative on the SDPSCC. We expect the NPSBN project to be coordinated through our SDPSCC and that the current communication paths in place will continue to provide input and direction.

#### **b. Interstate Regional Bodies**

South Dakota has a long history of coordinating activities and communications. As South Dakota was the first statewide trunked radio system in our region, we have coordinated with and continue to coordinate with North Dakota, Minnesota, Nebraska, Wyoming, and Montana. In addition our SWIC is also on the FEMA Region 8 Regional Emergency Communications Coordination Working Group (RECCWG). The Region 8 RECCWG has been proactive, and is currently working on a regional communications plan.

South Dakota was a signatory on the most recent NOI issued by FirstNet along with Montana, Wyoming, Utah, Idaho, Nevada, and Oregon. We recognize the need for regional collaboration and have been in discussion with North Dakota and Nebraska on the implementation for this project.

A regular attendee and agenda item of our SDPSCC meetings is the OEC Regional Coordinator Dan Hawkins, who not only brings the perspective of the DHS OEC, but also the other states in FEMA Region 8.

**c. Leveraging Existing Coordination**

It is the intent of South Dakota to leverage these regional working relationships to coordinate with FirstNet as a single body, which hopefully will make for a more efficient process for both our regional communicators, and also FirstNet.

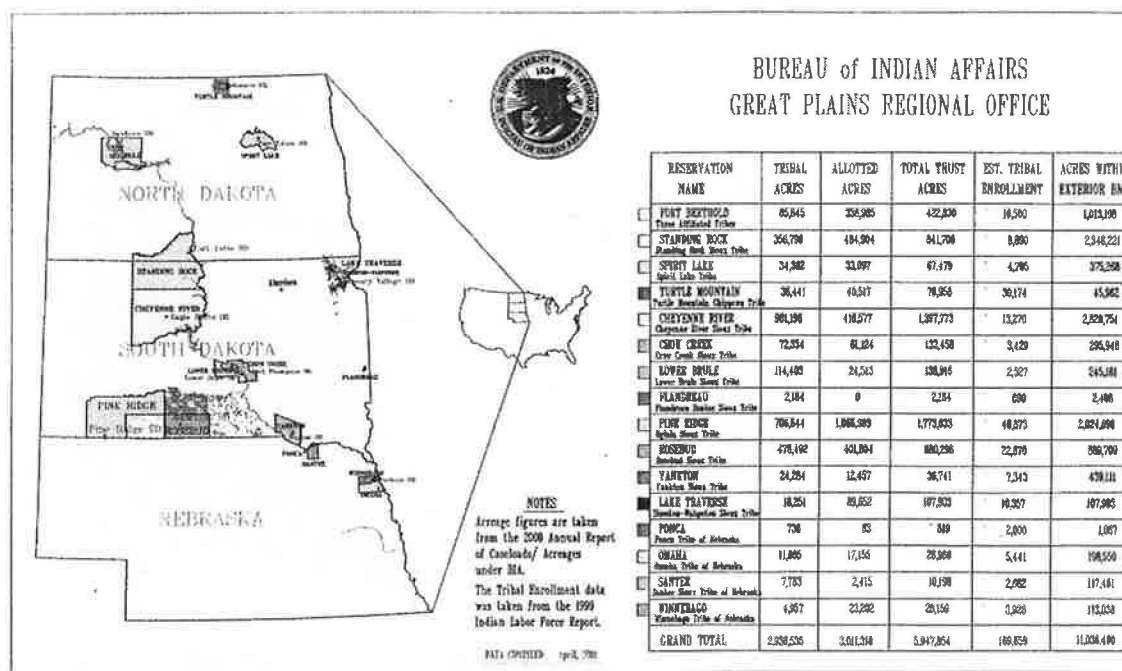
**d. Other State Collaboration**

The timeline associated with this grant application makes the process of regional collaboration difficult. While we have coordinated with Nebraska and North Dakota individually, we have also coordinated with our FEMA Region 8 RECCWG group (SD, ND, WY, MT, CO, UT) on how we approach and handle this process. The State of Idaho has been very helpful in offering assistance with this application and sharing methodology for the process itself.

**6. Tribal Nations**

**a. Current Tribal Areas**

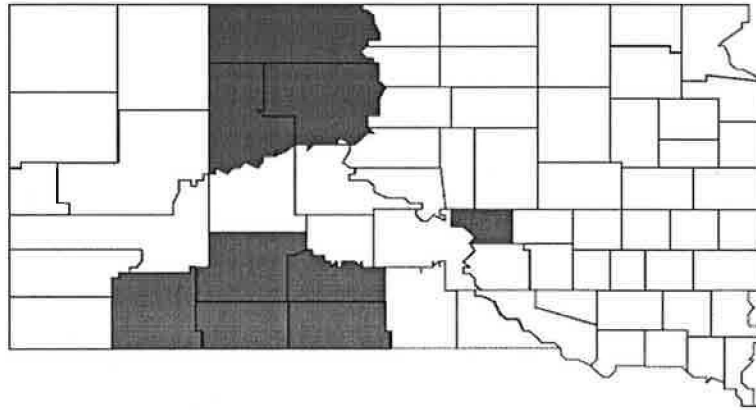
There are currently nine federally recognized tribes within the borders of South Dakota.





## **Native American Majority Counties**

The majority of the population was Native American in 2004



■ Native American Majority Population  
□ Other Counties

Source: U.S. Census Bureau  
Population Estimates  
Map prepared by RUPRI

### **b. Tribal Involvement**

The SDPSCC does have a tribal member from the Lower Brule Sioux Tribe, but for coordination with all of the tribes, we typically go through the state Office of Tribal Relations to ensure that all entities in the state are contacted appropriately. It is our intent to solicit as much participation from these tribal entities as possible as we move forward into the NPSBN project. It is our intent to provide any travel reimbursements possible to ensure that financial limitations do not preclude any tribal entity from participating.

### **c. Past Tribal Coordination**

The State of South Dakota currently provides access to the statewide communications system to all tribes in the state. As such we have lines of communication open to each group. Additionally we have completed two cooperative communication sites with the Pine Ridge reservation, have developed a communication plan for the Standing Rock tribe, and have worked with tribal contractors to set up radios statewide. This process has opened many doors for coordination between state and tribal communicators statewide and we view this as a building block for broadband coordination.

### **d. Tribal Participation**

Larry Jandreau of the Lower Brule Sioux Tribe is an appointed member of our SDPSCC and attends regularly.

### **e. State Tribal Strategy**

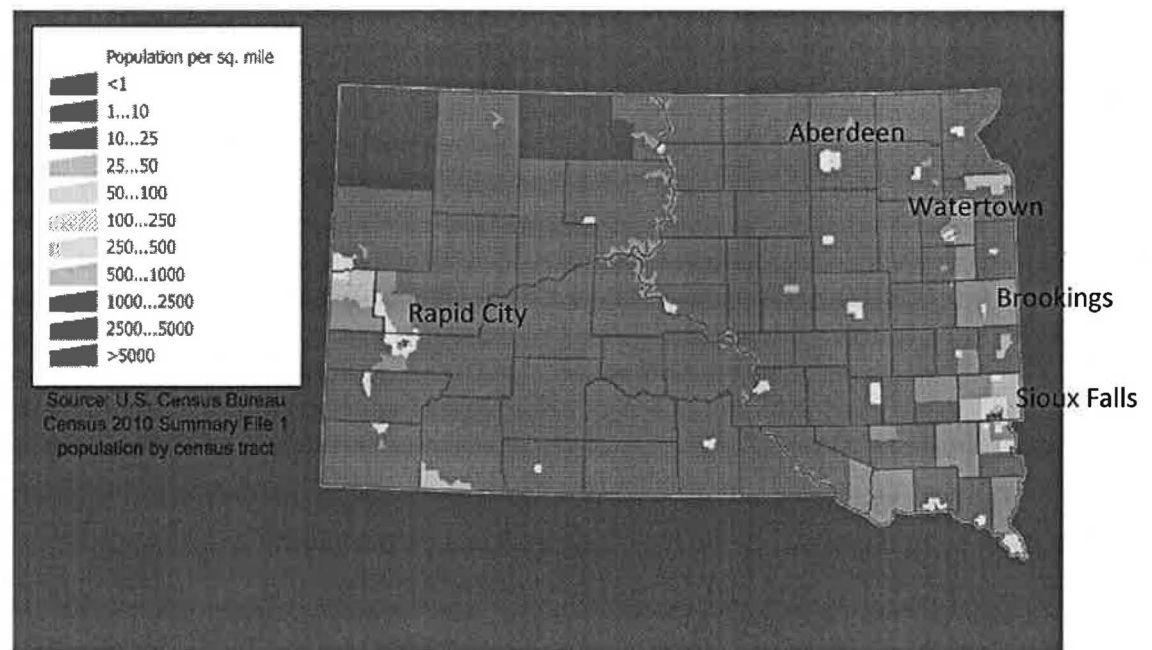
The primary difficulty is establishing a point of contact within the tribe that we can work with on technical issues, as each tribe is a separate entity and cannot be dealt with collectively. In our case we have established most of those contacts, but will

continue to work through the Office of Tribal Relations to include additional personnel that can contribute to the process.

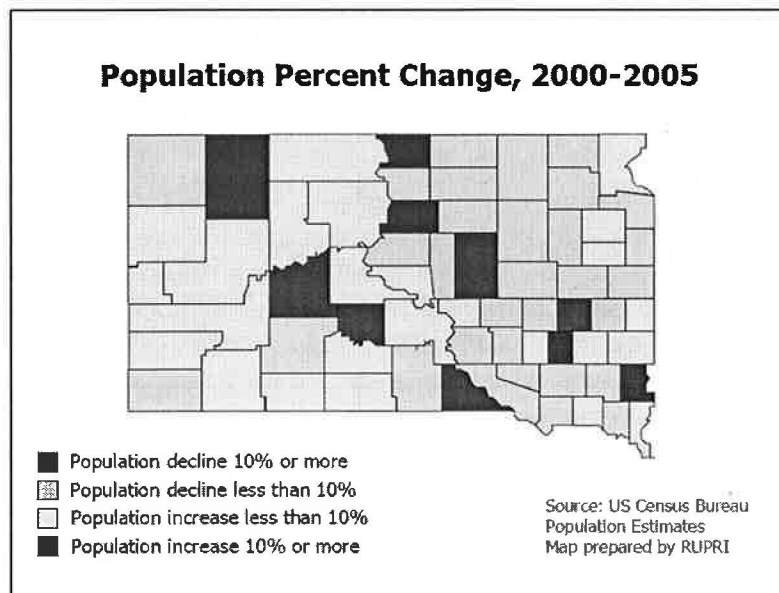
## 7. Rural Coverage

### a. Classifying rural areas

Considering that South Dakota has a total population of 833,354 and that 45% of the population lives in the 11 cities that have over 10,000 residents, one could consider most of South Dakota rural. To further delineate the urban/rural areas, 27% of the population of the state lives in the two largest cities, Sioux Falls and Rapid City. From the Census 2010 criteria for urban areas, a population center of 50,000 (urban nucleus) or a population density over 1,000 per square mile qualifies an area as “urban”. Using the defined criteria, on the follow page map the only urban areas are Sioux Falls and Rapid City (Red). There are 25 defined “urban clusters” or population areas of 2500 or more (defined by yellow to lighter red), with only three additional cities over 20,000 (noted below). South Dakota will use all areas outside of Sioux Falls and Rapid City to define rural, as most of the “urban clusters” are regional commerce centers for very rural areas. Many of our first responder agencies located in these “urban clusters” provides fire, EMS, and law enforcement services for the surrounding rural areas. The following diagrams outline the “urban clusters”, and the metrics for establishing those areas. The information on the following page allows for some additional granularity.



Additionally, much of the state is in decline from a population perspective, putting more pressure on the emergency services on those areas that are still able to support and staff the departments.



From 2000 to 2005, 39 counties in South Dakota lost population, all but one of them nonmetropolitan. Only two counties experienced population gains over 10 percent (1 metro and 1 nonmetro county). Again, the fastest growth was in Lincoln County, increasing 38.2 percent during this time period.

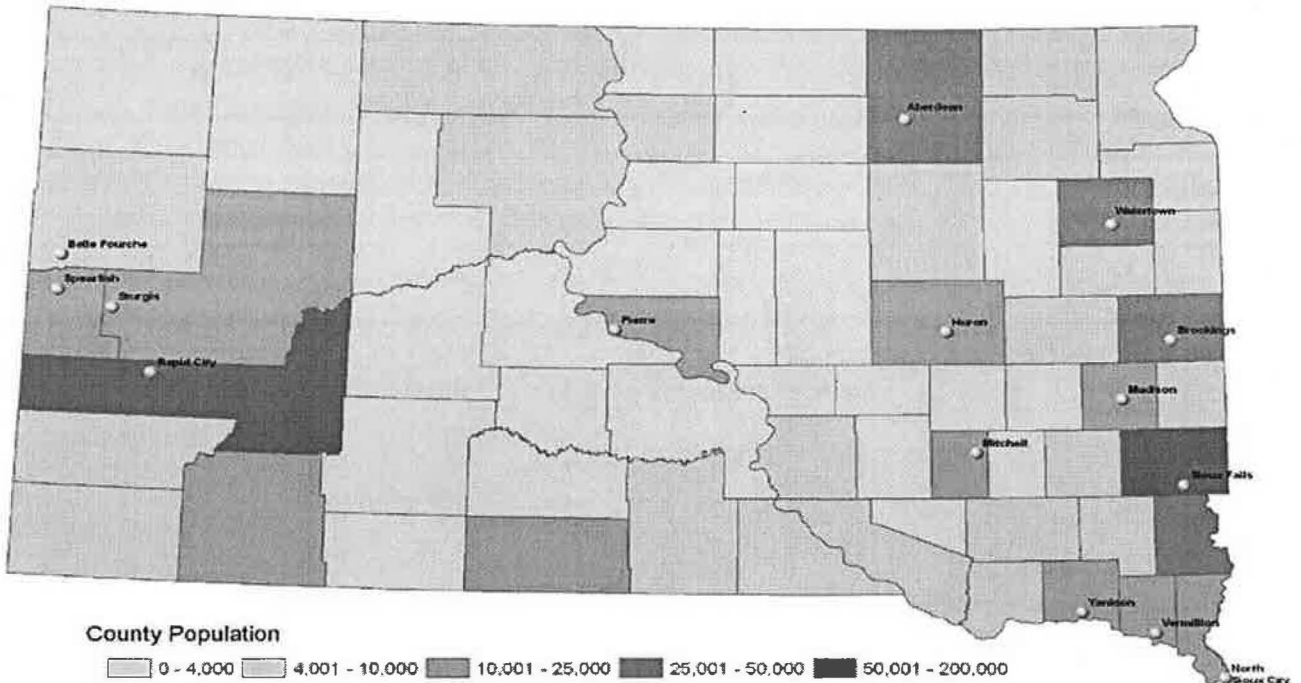
## POPULATION

### Population of Largest Cities & Counties (2009)

CITY	POPULATION	COUNTY	POPULATION
Sioux Falls ( <i>Minnehaha Co.</i> )	157,935	Minnehaha	183,048
Rapid City ( <i>Pennington Co.</i> )	67,107	Pennington	100,850
Aberdeen ( <i>Brown Co.</i> )	24,992	Lincoln	41,218
Watertown ( <i>Codington Co.</i> )	20,350	Brown	35,204
Brookings ( <i>Brookings Co.</i> )	20,184	Brookings	30,056
Mitchell ( <i>Davison Co.</i> )	14,747	Codington	26,168
Pierre ( <i>Hughes Co.</i> )	14,072	Meade	23,916
Yankton ( <i>Yankton Co.</i> )	13,798	Lawrence	23,498
Huron ( <i>Beadle Co.</i> )	11,281	Yankton	21,986
Vermillion ( <i>Clay Co.</i> )	10,417	Davison	18,931

Source: U.S. Census Bureau, 2009 Annual Estimates of the Resident Population for Incorporated Places and Counties, Population Division.

### County Populations (2009)

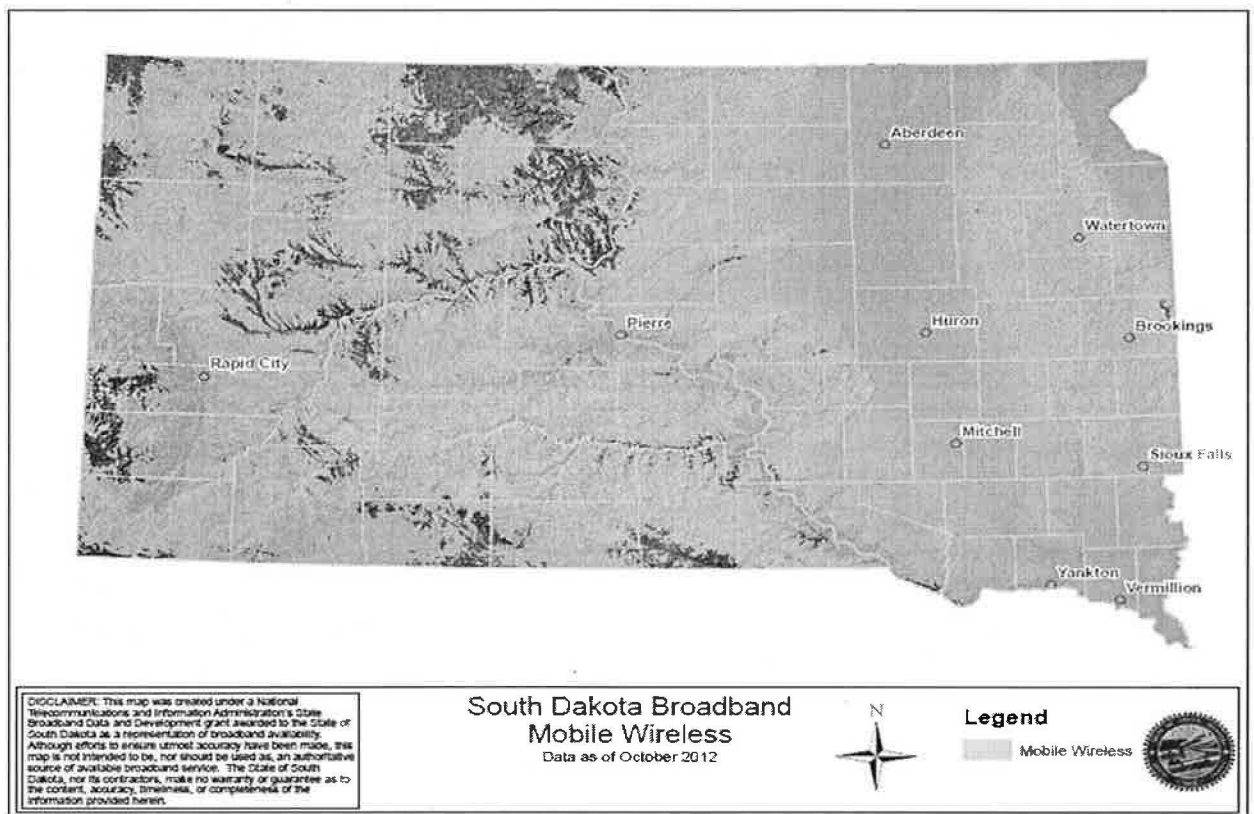


#### b. Broadband Availability

For the purposes of the SLIGP, we will concentrate on wireless broadband. The following statistics and map on the next page has been generated as part of the South

Dakota Broadband Development project, a BTOP funded process. All areas in beige are areas covered by 3G to LTE service.

Total Sq. Miles in South Dakota	77,129.8	
Total Sq. Miles in SD with Mobile Wireless >= 768kbps download	72,321.0	93.77%
Total Sq. Miles in SD with LTE service	28,402.8	36.82%



### c. Prioritizing Coverage

There are too many factors outside the control of our governance and the State of South Dakota related to coverage and participation to make engineering, and budgetary goals. If this project continues as anticipated down the public/private partnership path, we have basically two providers in state for wireless services; Verizon and ATT. The State of South Dakota contracts with and has regular contact with these two vendors, and the above map is continuously improving in the dark areas (underserved). We see this as our only practical path to improved coverage until the system requirements are released and put out for RFP. A component of the outreach will be development of underserved areas, and feed that back into our process.

The one thing we can do is to provide outreach to the locals across the state, assess interest, and relay that potential interest to our vendors as well as being data collectors for the second phase of the Implementation Grant. With this in mind, the following is an outline of the process we anticipate (**Bold items are milestones**):

- Complete SLIGP Application
  1. **Have application and narrative ready for review by SDPSCC by 3-4-2013**
  2. Comments for amendments to application by 3-11-2013
  3. **Approval of submission by SDPSCC at March meeting 3-13-2013**
- Review and Response Period
  1. Receive recommendations from peer review; provide amendments that have been cleared by SDPSCC 3-20-2013 to 7-31-2013.
  2. **Planning and Broadband subcommittee organization by 6-1-2013.**
  3. **Define consultant roles and responsibilities by 7-1-2013.**
- **Receive Award est. 7-31-2013**
- Grant Performance Begins
  1. SDPSCC interviews and hires contractors for three defined areas 8-15-2013.
  2. BIT orders computers, phone/data lines, cell phones, transportation arrangements, office supplies 8-16-2013.
  3. **Contractor meeting 8-19-2013.**
- Outreach and Education begins
  1. Contractor meeting to develop outreach strategies and materials 8-19 to 8-21-2013.
  2. Begin contacting County Emergency Managers, Sheriff's Offices, Police Chief's, and PSAP managers in respective regions and begin setting up appointments to meet with local entities. Suggested meetings with County Commissions. To begin 9-1-2013.
  3. Contact all tribal entities. To begin 9-1-2013.
  4. Identify all potential second responders in respective areas and begin outreach to that group to assess interest.
  5. All three contractors attend fall meetings of Sheriff's Association (Sept), Municipal League (Oct), EMT Association (Oct), SD Emergency Managers (Sept), tribal conference (Sept).
  6. **Contractors to have contacted 100% of tribal entities by 10-1-2013.**
  7. **Contractors to have contacted 100% of counties by 10-1-2013.**
  8. **Contractors to have contacted 100% of municipalities by 11-30-13.**
  9. **First annual report due to SDPSCC 12-10-2013.**
  10. Region contractor meeting with BIT 12-11-2013.
  11. **Combined report due to CIO, Governor 12-31-2013.**
  12. Schedule attendance to spring conferences for first responders 1-31-2014.

13. **Contractors create regional coordination groups 3-1-2014.**
  14. Regional groups review SCIP, draft suggested updates for both routine voice communications and envisioned data-sharing protocols 5-1-2014.
  15. Mid-year report from contractors to SDPSCC 6-1-2014.
  16. Activities continue on a similar schedule through the grant period.
- **Data Collection Process (Phase 2)**
    1. Contractors begin data collection of precise inventory of radios in use, mobile data terminals in use, local tower assets, coverage issues, key personnel contact information, other data as required by FirstNet 1-1-2014 to end of project.
    2. Contractors identify telecommunications providers in regions and establish contacts and begin working on backhaul routes in relation to towers, redundancy/resiliency of infrastructure, backup capabilities 1-1-2014 to end of project.
    3. Contractors meet with BIT GIS personnel involved in the BTOP process to see what information collected in that process can cross over 1-15-2014.
    4. Data collection metrics will be established by FirstNet, the collection process and methodology will be dependent upon the systems developed for collection.

## **8. Existing Infrastructure**

### **a. Existing Databases**

South Dakota has an extensive trunked radio communications system that is centrally managed and maintained by BIT State Radio staff. As each radio on the system requires an ID, and we have basically every first-responder agency equipped with radios on the system, we have an excellent record of agencies, contacts, equipment, towers in use on that system. Additionally, as BIT is a centralized IT/communications agency within state government, we have same office access to:

- South Dakota Public Broadcasting, towers (broadcast and microwave), potential microwave backhaul, technical resources.
- Networking Group. Wide-area connectivity, current BTOP program administered here with GIS database, telco providers and networks.
- Database Group. Servers and server infrastructure, state databases.
- Development Group. Programmers, web development, South Dakota Law Enforcement Telecommunications System (SDLETS), NCIC, NLETS, other national and state law enforcement database access & network. The Chief Terminal Officer for South Dakota is layered under this group, and maintains all current user ID's for current mobile access.

- Telecommunications Group. Telephone contracts, voice services, daily contact with telecom providers.

#### **b. Updating Databases**

The process of building out a statewide network has involved many new towers, and it has been the policy of BIT to “collocate first” as the NEPA and other current regulations add to the complexity of constructing Greenfield sites. With this in mind, we have spent a considerable amount of time developing a database of existing tower sites, which allows us to do propagation studies and coverage prediction on existing sites before we attempt to start a new site. Additionally, we have had technical training on the CASM mapping system, and are slowly integrating our information to that system to allow greater flexibility with our neighboring states.

As described in 8(a), our radio system database is continuously being updated. An audit of radios across the state was last completed in 2010-2011.

The South Dakota Broadband Initiative project is currently mapping all broadband access in South Dakota and will continue that process.

### **9. Existing Government-Owned Networks**

#### **a. Hardening Requirements**

Hardening sites in the upper Midwest is an absolute requirement, and has been our practice to protect our sites as much as possible.

Some notes about hardening that we currently observe for our communications sites for the South Dakota Interoperable Radio System.

- Current EIA/TIA-222 revision G for tower construction standards
- R56 grounding standards observed at site
- Generator sizing commensurate with site loading, we typically require a minimum of 7 days fuel supply at full load.

Telecommunications services are much more difficult to build in resiliency or redundancy at remote sites. In most areas of South Dakota there are not multiple providers who have terrestrial services in the proximity of towers, but at major network or control points we try to have an additional feed to the site from an alternate path.

#### **b. Contractual Requirements**

The only current contractual requirement we currently have for reliability is through use of the Service Level Agreement, or SLA. The SLA provides a monetary penalty for downtime on the circuit, and is invoked whenever the circuit is down, for whatever reason.



## 10. Network Users

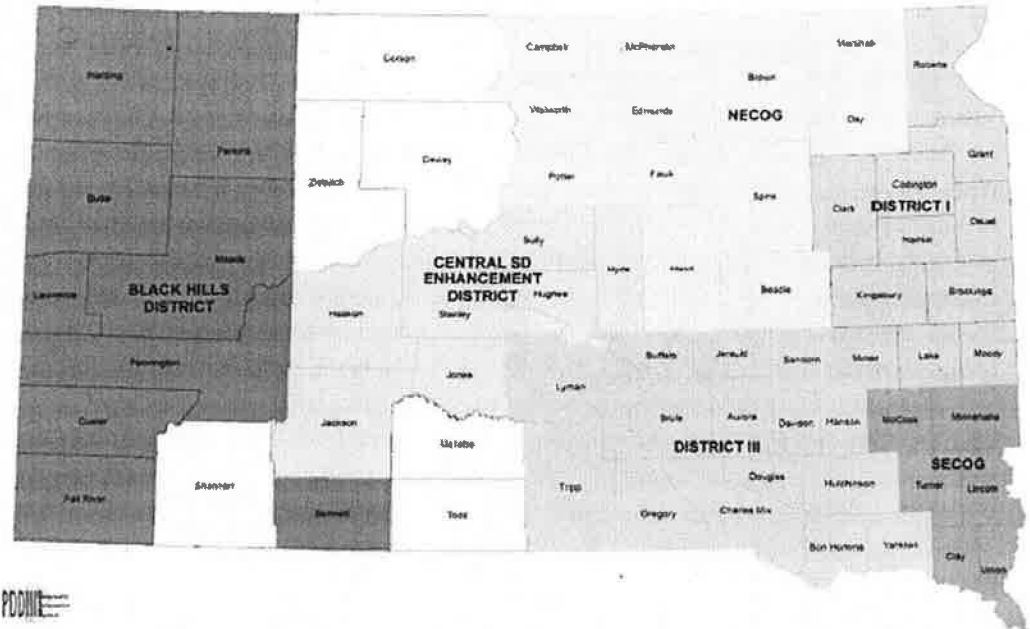
### a. Identifying Users

The State of South Dakota/BIT maintains the trunked radio system that nearly every first responder uses, either on a primary or secondary basis. Trunked radio systems require an ID to be issued to each radio on the system, so we have a pretty complete view of the agencies and associated users within the state.

A second advantage to BIT being a combined IT/Communications bureau is that we have the current law enforcement telecommunications system (SDLETS) that is maintained and operated from within our group. Our Control Terminal Officer maintains the database of those not only connected by wireline, but those agencies and units that get their connection wirelessly.

These two different databases obviously give us a snapshot of the current data users. Obviously we would need to determine those potential users, and we envision that list to be compiled by those contracted with us for the purpose of fulfilling our requirements of the SLIGP.

It is the intent of the SDPSCC to leverage every available source to reach and account for our potential list of users, one such example is the Councils of Government/Planning Commissions, whose districts are shown here:



Other potential sources of first responders include the following accreditation agencies:

Department of Public Safety/Attorney General Office  
South Dakota Department of Health  
Fire Marshalls Office

Office of Emergency Management  
Department of Agriculture/Wildland Fire  
State 911 Board

The potential users encompassed within the definition of “second responders” will need to be assessed during our outreach and education process.

## **11. Education and Outreach**

### **a. Planning**

South Dakota views education and training as two separate issues. The outreach and education is the initial step in the outlined SLIGP process. This will involve attending state meetings, arranging meetings with locals, tribes, and state/federal agencies. It is our intent to accomplish this through a cooperative effort by the SWIC and the regional contractors. It is our intent after hiring the contractors to develop an acceptable outreach and education strategy that will allow us to have a face-to-face meeting with every willing related entity across the state.

As outlined earlier, the SDPSCC establishes programs and protocols related to public safety communications within the state, and will coordinate the outreach and eventually the education direction with the consultant/contractors retained for the SLIGP process.

## **12. Memorandums of Agreements**

### **a. Defining Obstacles**

This question was posed to our Office of Attorney General for Comment. The narrative question #12 asks for likely impede our ability to participate in the NPSBN or SLIGP process. The response came back as still pending but with the following questions:

1. Legal definition of an “independent authority within NTIA”. Just clarification.
2. Will need to do a cross-analysis of the state agencies involved as statutes direct the activities of most agencies independently.
3. The terms and conditions for site access. Capacity, access, liability, etc.
4. If an agreement in principle can be generated, it would be proposed to the local and tribal governments for possible consensus and inclusion.

We anticipate during phase two activities that we not only identify towers and telecommunications routes, but begin to establish MOA’s with owners of those facilities. We anticipate legal costs during this process, but should streamline any sharing of resources as actual construction approaches.

## 13. Tools

### a. Currently Used Tools

The State of South Dakota has purchased some tools for the current BTOP broadband initiative, and is using other tools for interoperability purposes:

- ESRI ArcGIS software (will need additional licenses and servers)
- EDX Signal, propagation and coverage prediction software (licenses)
- CASM mapping tool, techs trained but little entered to date
- RadioSoft propagation and coverage prediction software

### b. Additional Tools

The State of South Dakota is aware that a survey tool is being developed or has been developed by OEC to help with the outreach effort and collect data.

## 14. Phase Two Funding

### a. Description

Some of the data sets that are valuable to our current operations and potentially the NPSBN will begin to be gathered with the outreach and education initiative outlined earlier in this narrative. Phase two activities will ramp up this process, and formalize the data entry process after the collection mechanisms are defined.

We also expect to begin work with the facility/resource owners of infrastructure that has potential to be used with the NPSBN to:

- Determine if the same MOA used by the state would work for other agencies
- Develop a clearinghouse of facilities, capabilities, contact information
- Ideally develop a common rate structure for like facilities across the state

We anticipate a significant amount of legal representation to be required during this phase.

## 15. Other

### a. Other Collaboration

South Dakota has not retained the services of any consultants for the process of this application, but we have completed a significant amount of research recently on the NPSBN and associated process. We have had multiple calls with the following states on the grant application as well as the potential to be viewed as a regional consortium for future build-out consideration with FirstNet: Alaska, Arizona, California, Idaho, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oregon, Utah, and Wyoming.

These calls were invaluable for perspective on particular narrative questions, engaging FirstNet and NTIA resources.

Outside of our regional collaboration, we have utilized guides published by RCC Consultants, resources provided by FCC, and have participated in numerous calls set up by NCSWIC, NGA, NASCIO, and others.

Within South Dakota, we have had input from our governance members (SDPSCC), the State 911 Board



## State Of South Dakota



# State and Local Implementation Grant Program Application Project Feasibility

3-14-2013

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## **South Dakota**

### **SLIGP Project Feasibility**

#### **A. Applicant Capacity, Knowledge, and Experience**

The assigned applicant for the SLIGP will be the South Dakota Public Safety Communications Council (SDPSCC), the interoperability governance for the State of South Dakota. The eighteen members of the council are all experienced and dedicated communicators recommended by their peers across the state from the following organizations:

- South Dakota Police Chief's Association
- South Dakota Sheriff's Association
- Division of Criminal Investigation, Office of Attorney General
- South Dakota Game, Fish, and Parks
- South Dakota Department of Transportation
- South Dakota National Guard
- South Dakota Emergency Managers Association
- South Dakota Fire Fighters Association
- South Dakota Association of Healthcare Organizations
- South Dakota Department of Public Safety/Highway Patrol
- South Dakota APCO/NENA Association Chapter
- South Dakota Emergency Medical Technicians Association
- South Dakota Department of Agriculture/Wildland Fire
- South Dakota Association of County Commissioners
- South Dakota Department of Health
- Tribal Government (Current Lower Brule Sioux Tribe)
- Federal Government (Currently USDA)
- South Dakota Bureau of Information and Telecommunications

This group has experience in reviewing budgets, setting policy, dealing with disciplinary action. This group has led statewide efforts for narrowbanding education and outreach, state encryption standards, 700 MHz planning, and system planning/expansion.

The SDPSCC is administered by the South Dakota Bureau of Information and Telecommunications (BIT). This integrated bureau is responsible for all communication (public safety radio, telephony, video conferencing, etc.), database management (including the SDLETS system, integrating NCIC, EPIC, state driver licensing, vehicle registrations, UJS, other federal and state databases), network connectivity (WAN/LAN infrastructure), support group (desktop & device support), and broadcasting (South Dakota Public Broadcasting, TV, FM, internet), and development, the group responsible for all new code generated for state purposes.

We feel we have a perfect combination of field-oriented communications and user representation along with a wide breadth of technology expertise. Adding further value to the mix is the grant management experience of BIT, having participated in such grant opportunities as USDA DLT, USDA RUS, NTIA/ARRA BTOP, CPB, DHS COPS, and others. Our finance office is well-versed in A87 policies and grants drawdown, reporting, and close out processes.

Previous Grant Opportunities BIT has administered:

South Dakota Public Broadcasting: Multiple CPB and USDA RUS grants.

BIT Engineering: DHS COPS Tech (radio system & others, USDA DLT (videoconferencing).

BIT Networking: ARRA/NTIA BTOP (South Dakota Broadband Initiative).

## **b. Staffing**

The SDPSCC and State of South Dakota have no illusion about trying to manage this project without external resources. It is our intention to retain contractors to manage the SLIGP objectives with three regions designated within the state.

To keep the scope within that outlined by the SDPSCC, the council will elect a representative(s) to stand up and oversee operations of the broadband subcommittee and contractors at the March 13<sup>th</sup>, 2013 meeting. State support staff that will be key in the project include:

Jeff Pierce, Project Manager

Jeff is the Engineering Manager for the Bureau of Information and Telecommunications (BIT), and has 33 years of experience working in broadcast, public safety radio, dispatch management, project management. Jeff currently manages the Engineering division of BIT, which encompasses telephony, videoconferencing, public safety radio, and broadcast services. Jeff will be re-aligning his responsibilities and is planning to dedicate 30% of his time to this project.

Don Forseth, Subcommittee Administrator

Don is a current Program Manager for South Dakota Public Broadcasting with 40+ year of experience. Don's areas of expertise are grant management and tower databases and infrastructure management. It is our expectation that Don will spend 20% of his time administering the subcommittee meetings (meeting space, travel, meeting documentation, supplies, materials, website updates, etc.).

Delton Tipton

Delton is a Software Engineer III for the BIT Development Group, and is currently the Chief Terminal Officer for the South Dakota Law Enforcement Telecommunications System (SDLETS), which is the delivery system of law-enforcement databases to the field at this time, both wireline and wireless. Delton currently is a member of SEARCH, and other advisory bodies for his area. We expect Delton to have a significant role with both the subcommittee and ongoing as we identify and work to integrate local databases in the FirstNet system. 10% of hours will be dedicated to working with the subcommittee and eventually FirstNet.



Todd Dravland

Todd is the current System Manager for the South Dakota Interoperable Communications System (SDICS), a statewide radio communications system with over 20,000 state, local, tribal, and federal users on the system. Todd maintains the records for the statewide trunked radio system, and as such will be invaluable in identifying users. Todd will dedicate 10% of his time to working with the subcommittee and retained contractors.

Deb Larson

Deb is the Finance Director for BIT, managing an office that handles BIT contracts, expenditures, budgeting, and billing. Deb has many years of dealing with grant ACH processes, reporting, and alignment with A87 policies. Deb will be a crucial element of the success of the SLIGP grant process in South Dakota.

Mandee Brinkman

Mandee is the BIT Telecommunications secretary and will be responsible for out of state travel arrangements, regular SDPSCC meeting notes, posting for open meetings compliance, and other administrative duties required. We expect Mandee to be involved in many aspects of this project.

John Waters/Jerry Gabert/Darin Hieb

John, Darin, and Jerry are regional radio techs for the SDICS, and as such have established relationships with most of the users across their regions. We expect these three radio techs to be instrumental in working with the regional contractors to establish contacts for the outreach, education, and identifying infrastructure in the field. Each of these techs has also established working relationships with tribes in their regions and will be critical to success in working with those groups. 10% of these three techs will be dedicated to this project.

JR LaPlante, South Dakota Secretary of Tribal Relations

JR was appointed by Governor Dugaard in 2011 when the Office of Tribal Relations was established as a Cabinet Level position. JR will be critical to the project as he represents a single point of contact for all nine tribes in the state.

## **Closing**

As iterated above, South Dakota recognizes that for the SLIGP process in South Dakota to be a success, we will need external assistance. In this case we plan to retain three regional contractors that will coordinate outreach and training in their respective areas. South Dakota has a history of managing large-scale projects such as the SDICS, digital television upgrade, videoconferencing system upgrade internally, but have also successfully partnered up with outside assistance for such projects as the South Dakota Broadband Initiative.

We view the keys to success for the project is: (1) the establishment of the broadband subcommittee (2) hiring of appropriate contractors to manage the objective of the SLIGP within the state, and (3) education of the key players to maximum extent possible.

Applicant Name: State Of South Dakota

Award Number: \_\_\_\_\_

**Budget Information - Non Construction Programs**

OMB Approval No. 0348-0044

**Section A - Budget Summary**

Grant Program*Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
State and Local 1. Implementation Grant Program	11.549			1,238,103.00	309,528.00	<b>\$1,547,631</b>
2.						-
3.						-
4.						-
5. Totals		-	-	1,238,103.00	309,528.00	1,547,631.00

**Section B - Budget Categories**

6. Object Class Categories	Grant Program, Function or Activity				Total (5)
	(1)	(2)	(3)	(4)	
a. Personnel		55,683.00			55,683.00
b. Fringe Benefits		11,137.00			11,137.00
c. Travel	240,579.00	127,684.00			368,263.00
d. Equipment	21,000.00				21,000.00
e. Supplies	20,439.00	28,984.00			49,423.00
f. Contractual	843,000.00	51,000.00			894,000.00
g. Construction					-
h. Other	113,085.00	35,040.00			148,125.00
i. Total Direct Charges (sum of 6a-6h)	1,238,103.00	309,528.00	-	-	1,547,631.00
j. Indirect Charges					-
k. Totals (sum of 6i-6j)	1,238,103.00	309,528.00	-	-	1,547,631.00
7. Program Income					-

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**Section C - Non-Federal Resources**

(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) Totals
8. State and Locan Implementation Grant Program	\$309,522			\$309,522
9.				\$0
10.				\$0
11.				\$0
12. <b>Total</b> (sum of lines 8 - 11)	\$309,522	\$0	\$0	\$309,522

**Section D - Forecasted Cash Needs**

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th quarter
13. Federal	\$0				
14. Non-Federal	\$0				
15. <b>Total</b> (sum of lines 13 and 14)	\$0	\$0	\$0	\$0	\$0

**Section E - Budget Estimates of Federal Funds Needed for Balance of the Project**

(a) Grant Program	Future Funding Periods (Years)			
	(b) First	(c) Second	(d) Third	(e) Fourth
16.				
17.				
18.				
19.				
20. <b>Total</b> (sum of lines 16-19)	\$0	\$0	\$0	\$0

**Section F - Other Budget Information**

21. Direct Charges	\$1,547,631	22. Indirect Charges	
23. Remarks	Revision to original SF424 posted to grants.gov in March of 2013. 6-13-2013		

Category	Detailed Description of Budget (Full			Breakdown of Costs	
<b>a. State Personnel</b>	Quantity	Unit Cost	Total Cost	Federal	Non-Federal
<u>Chief Terminal Officer (CTO)</u> The CTO will spend 10% of his time working with the Project Manager and Governance body to identify integrate existing state and local databases. Salary is \$59,009	3 years	\$5,901	\$17,703		\$17,703
<u>Radio System Chief Engineer</u> The Radio System Chief will be involved with identifying potential users for outreach through the radio system database. 10% of time, salary is \$57,180	3 years	\$5,718	\$17,154		\$17,154
<u>Program Manager</u> The Program Manager will organize meetings of the governance and subcommittee's, arrange meeting places and travel reimbursement. 10% of time, salary is \$51,022	3 years	\$5,102	\$15,306		\$15,306
<u>West River Radio Tech</u> The radio techs will assist the contractors with outreach and identifying locals to interface with. Also technical support to contractors as needed. 2% of time, salary is \$46,009	3 years	\$920	\$2,760		\$2,760
<u>East River Radio Tech</u> The radio techs will assist the contractors with outreach and identifying locals to interface with. Also technical support to contractors as needed. 2% of time, salary is \$46,009	3 years	\$920	\$2,760		\$2,760
<u>SWIC/Project Manager</u> The SWIC/Project Manager is funded through user fee's and therefore cannot be used for match purposes. Travel expenses can be prorated, and this position is expected to be 30% of FTE time					
<u>BIT Telecommunications Secretary</u> The BIT Telecommunications Secretary is funded through users fees and therefore cannot be used for match purposes. Travel expenses can be prorated, and this position is expected to be 10% of FTE time					
<b>Total Personnel</b>			<b>\$55,683</b>		<b>\$55,683</b>
<b>b. Fringe Benefits (Standard state benefit is 20%)</b>					
Chief Terminal Officer	\$17,703	20%	\$3,541		\$3,541
Radio System Chief Engineer	\$17,154	20%	\$3,431		\$3,431
Program Manager	\$15,306	20%	\$3,061		\$3,061
West River Radio Tech	\$2,760	20%	\$552		\$552
East River Radio Tech	\$2,760	20%	\$552		\$552
<b>Total Fringe Benefits</b>			<b>\$11,137</b>		<b>\$11,137</b>
<b>c. Travel</b>	Quantity	Unit Cost	Total Cost	Federal	Non-Federal
South Dakota is a state of 77,000+ square miles, so travel is a major consideration. The following are broken out by category. Rates are mileage charged by South Dakota Fleet and Travel. All travel will be to directly support the SLIGP process through direct meetings or scheduled conferences.					
1. (State) In-state vehicle. SUV/Truck. Radio techs (two) assisting in outreach and data collection programs. Appx 11 trips each at 200 miles, per year	13,200	\$0.50	\$6,600		\$6,600

2. (State) In State vehicle. Sedan. Project manager (23) and Chief Radio Engineer (15) each will commute to an average of 20 meetings per year @ 300 miles, program manager and Chief Terminal officer to an average of 6 meetings per year @ 300 miles. Also mileage to and from airports for out of state meetings (1,200 miles)	48,800	\$0.37	\$18,056		\$18,056
3. (POV) Mileage rate of 56.5 cents/mile is the POV low rate for state reimbursement. We expect the contractors to be on the road for an average of 3 days per working week in each of their regions (156 trips/year @ appx. 200 miles per contractor for a total of 280,800 miles) in order to interface with the responders in their areas. This also factors in the broadband subcommittee (10 members requiring out of town mileage, 300 mile round trip x 6 meetings per year for a total of 54,000 miles), and SCIP update meetings (1 meeting per year for 10 members @ 300 miles requiring round trip mileage)10 x 300 x 3 years = 9,000 miles.	343,800	\$0.565	\$194,247	\$194,247	
4. Lodging (In-state) \$50 rate is state maximum for in-state lodging. Calculating in-state meetings and conferences for state personnel and contractors requiring overnight travel. Expecting contractors (3) to have an average of 104 nights on road per year (936) +20 Broadband Subcommittee members meeting 6 times a year for three years (50% requiring rooms for a total of 180 rooms) + 45 total rooms per year for Project manager, Chief Engineer, Program Manager, and Control Terminal Officer for regional in-state meetings and other related meetings requiring overnight stay. (Calculating a single night per meeting) for a total of 135.	1,251	\$50	\$62,550		\$62,550
5. Lodging (out of state) \$150 rate is maximum allowable under state guidelines. Calculating costs with sending state personnel, local personnel, and contractors to annual meetings, regional meetings, and other specific related out of state travel. Contractors: 2 conference/meetings per year for 3 years (3 nights lodging per meeting) = 54, Project Manager: total of 7 conferences/meetings over the 3 years (3 nights lodging per meeting)=21, Broadband subcommittee members (2 travel) attend 2 conferences/meetings per year for 3 years (3 nights lodging per meeting = 36,	111	\$150	\$16,650		\$16,650
6. Air Travel. Estimating \$500/trip based upon experience. Travel for associated state and local personnel and contractors to travel to out of state meetings. Contractors will have a total of 18 trips over the 3 years, Project Manager will have 7, and the broadband subcommittee members will have 12. This correlates with the out of state lodging above.	37	\$500	\$18,500		\$18,500

7. Per Diem (In State) State allowance is \$26 in state. Per-diem allowed for associated state and local personnel, and contractors for NPSBN business within the state. Contractors 3 trips per week for 52 weeks each = 156 per contractor per year. Extended to 3 contractors is 468 per year or 1404 over the three years. Project Manager, Program Manager, and Chief Engineer will have 20 trips per year for a total of 180 over the three years, the Chief Terminal Officer will have 6 trips per year for a total of 18, Broadband subcommittee will have 6 meetings per year (50% will need out of town per diem or 10 of the 20), 10 members x 6 meetings per year x 3 years = 180. 1404+180+18+180=1,782	1,782	\$26	\$46,332	\$46,332	
8. Per Diem (Out of State) State allowance for out of state pre-diem is \$36/day. Travel for associated out of state meetings for state, local, and contracted personnel. Contractors: 2 conference/meetings per year for 3 years (3 days per diem per meeting + 1 travel day) =72, Project Manager: total of 7 conferences/meetings over the 3 years (3 days per diem per meeting + 1 day travel)=28, Broadband subcommittee members (2 travel) attend 2 conferences/meetings per year for 3 years (3 days per diem per meeting + 1 day travel) = 48,	148	\$36	\$5,328		\$5,328
<b>Total Travel</b>			<b>\$368,263</b>	<b>\$240,579</b>	<b>\$127,684</b>
<b>d. Supplies/Materials</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>
Supplies and materials will be the office supplies and other equipment needed to set up operations for the three contractors. It will also include educational and informational publishing costs, and software to assist in the daily operations of the contractors and other involved parties. IT equipment pricing from State of South Dakota contracts					
1. Phase 2 Tools The State of South Dakota recognizes that certain tools for Phase 2 data collection will be needed as those requirements are developed. Cost based upon South Dakota Broadband Initiative program expenses.	1	\$10,000	\$10,000		\$10,000

2. Paper products, cds's flash drives and other office supplies for the three contractors and also the main BIT office for SLIGP-based activities. Outside of professional publications and mailers, we plan to do a lot of our own presentation materials. For each of the 3 offices we would expect: paper/ink products -- \$50/month (\$150 extended), cd's/DVD's for duplication of presentations and resources for locals, \$50/month (\$150 extended), one-time business card production (\$300/ 36 months = \$24/month extended), file cabinets (one time \$1,000/ 36 months = \$28 (\$84 extended), office desks, chairs etc., one time \$3,600/36 months = \$100/month	36 months	\$508	\$18,288	\$18,288	
3. Laptop computers for regional coordinators	3	\$1,000	\$3,000		\$3,000
4. Smart Phones for regional coordinators	3	\$200	\$600		\$600
5. Mobile radios for contractors. At times the only way to reliably get in touch with the local entities, especially the volunteer services is through the statewide digital radio system. Will be used by contractors only for the express purpose of contacting locals in the area they are working. Pricing of mid-level radio on state contract.	3	\$3,000	\$9,000		\$9,000
7. Desktop PC's for regional coordinators	3	\$1,128	\$3,384		\$3,384
8. Copy/Scan/Printers	3	\$717	\$2,151	2,151	
9. Supplies for Phase 2 data collection. Anticipating that supplies and materials will be needed for this phase for each contractor.	3	\$1,000	\$3,000		\$3,000
<b>Total Supplies/Materials</b>			<b>\$49,423</b>	<b>\$20,439</b>	<b>\$28,984</b>
<b>e. Equipment</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>
Equipment for Phase 2 data collection. Anticipating based upon the state SBI/BTOP process that server and SAN equipment <u>may</u> be needed for this phase. Will be further defined upon commencement of phase 2. Cost estimate based upon state process for SBI and BTOP programs.	1	\$21,000	\$21,000	\$21,000	
<b>Total Equipment</b>			<b>\$21,000</b>	<b>\$21,000</b>	
<b>f. Contractual Services</b>					
The State of South Dakota is not staffed to accommodate the anticipated volume of work associated with outreach and education, as well as data collection. We view the ongoing effort associated with managing the FirstNet services after the period of this grant to be extensive, and as such our policy dictates that an FTE associated with this responsibility is secured through the normal budget process and not through grants. We will utilize the SLIGP process to secure contractors who can perform the outreach and education, along with compiling the data required for this project. The ongoing support for this program will be submitted for the 2015 budget year.	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>

1. Web Development to add Broadband information and associated SLIGP-related survey tools to governance website. The \$300/hour rate is the contracted rate the State of South Dakota pays for outside website consultation. Tools such as survey, educational, and eventually (Phase 2) data collection ties into our current website solely for the purpose of the SLIGP process are anticipated.	170 hours	\$300	\$51,000		\$51,000
2. Legal consultation to establish state MOA, and work with locals to extend MOA to local agencies	500 hours	\$150	\$75,000	\$75,000	
3. Regional Contractors. Estimated contractor cost based upon average of Sioux Falls, Pierre, and Rapid City Police Dept. average salaries (salaries.com) 3 contractors x 3 years = 9 units	9	\$62,000	\$558,000	\$558,000	
4. Contractor to coordinate South Dakota plan with regional partners. Funding will be limited to the South Dakota portion of the plan. Estimate based upon North Dakota cost for similar project. It is our intent to have the regional plan to include South Dakota and North Dakota at a minimum, with other adjoining states expressing interest as potential collaborators on a regional plan. Each state would be expected to retain these services individually, ideally with the same contractor to provide continuity. Having a common set of user needs and requirements would allow for a much more efficient interaction with FirstNet. We are anticipating up to 200 contractor hours per year to organize and coordinate our state information into a document that can be used regionally.	600 hours	\$300	\$180,000	\$180,000	
5. SCIP contractor. Contractual services to integrate broadband into the state SCIP. Services will be for broadband integration only. We based this cost again on a similar project in North Dakota.	100 hours	\$300	\$30,000	\$30,000	
<b>Total Contractual</b>			<b>\$894,000</b>	<b>\$843,000</b>	<b>\$51,000</b>
<b>f. Other</b>	<b>Costs based</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>
1. Printing and publishing costs associated with outreach daily operations of the SLIGP process. Will leverage FirstNet generated materials, but will need State specific materials. For each of the contractors we are estimating an average cost of \$300 to generate approximately 150 professional outreach materials (flyers, brochures, etc.) at an average cost of \$2 each month. Additionally, a monthly newsletter (500) will be generated at a cost of \$1 each. Total cost per month for printing/publishing: \$900/month for professional printing, another \$500/month for newsletter, total \$1,400/month.	36 Months	\$1,400	\$50,400	\$50,400	
2. Mailing costs. We expect in order to keep all of the user community and decision makers informed that regular correspondence, including monthly newsletters will be mailed to agencies and individuals. Estimated bulk-rate mailing cost of \$105/month for each contractor.	36 Months	\$315	\$11,340		\$11,340



3. Mobile Phone service for 3 Contractors, \$75/month with data service	36 months	\$225	\$8,100		\$8,100
4. Office internet/data service for 3 Contractors, estimating \$100/month average. (\$300/Month extended)	36 months	\$300	\$10,800		\$10,800
5. Teleconference/web conference for Contractors. Services to allow collaboration of the three contractors between themselves and state personnel to provide consistency of communications to our stakeholders. \$50 is an average rate that we have found for a limited seat service for each contractor. (\$150 extended)	36 Months	\$150	\$5,400	\$5,400	
6. Space billing. It would be our intent to have the contractors operating from a state-owned facility if we can, to provide public access to our contractors. Based upon current space-billing rates, we expect that the cost for space and associated services to be around \$500/month. (\$1500/month extended). Current space billing from the Bureau of Administration is \$12.73/square foot, so a 20' x 25', 500 square feet office would allow for a office setup plus a reasonable meeting space for smaller gatherings. 500 x \$12.73 is \$6,365/year per contractor, or \$19,095 annually x three contractors.;	3 years	\$19,095	\$57,285	\$57,285	
7. Meeting space for in-state larger meetings. meetings per year for 3 years, statewide meetings years 2 and 3. \$200/average	24	\$200	\$4,800		\$4,800
<b>Total Other</b>			<b>\$148,125</b>	<b>\$ 113,085</b>	<b>\$35,040</b>
<b>Total Project</b>			<b>\$1,547,631</b>	<b>\$1,238,103</b>	<b>\$309,528</b>

## **South Dakota State and Local Implementation Grant Program Budget Narrative**

### **Preface:**

The State of South Dakota has expended a considerable amount of time and resources developing detail for the SLIGP process. We acknowledge that 50% of the allocated federal funding will be reserved for Phase 2

### **Personnel**

<b>Federal:</b>	<b>\$0.00</b>
<b>State:</b>	<b>\$55,683</b>
<b>Total</b>	<b>\$55,683</b>

### **State personnel involved and generally funded (annually)**

The following personnel will be contributing to the SLIGP project::

Chief Terminal Officer 10% of FTE – (database integration for state, local, and federal systems we currently integrate with).

Radio System Chief Engineer 10% -- (user database from statewide radio system, outreach to users, management of radio techs who will be assisting).

Program Manager 10% -- (Don will be supplying administrative support for the broadband subcommittee such as travel, meeting locations, and relevant research).

West River Radio Tech 2% -- (John will provide assistance to contractors and other operations related to the SLIGP for the area of the state he is responsible for. John has a good grasp of the user base out in the field, and will be a local face to get things going).

East River Radio Tech 2% -- (Jerry will provide assistance to contractors and other operations related to the SLIGP for the area of the state he is responsible for. Jerry has a good grasp of the user base out in the field, and will be a local face to get things going).

### **Other Personnel Involved:**

Jeff Pierce, Project Manager/SWIC 30% -- Because of the funding mechanism for the salary for this position and no federal indirect cost share established, this position will not be charged time against the project.

BIT Telecommunications Secretary 10% -- Because of the funding mechanism for the salary for this position and no federal indirect cost share established, this position will not be charged time against the project.

### **Fringe Benefits**

<b>Federal:</b>	<b>\$0.00</b>
<b>State:</b>	<b>\$11,137</b>
<b>Total:</b>	<b>\$11,137</b>

Fringe benefits for the State of South Dakota are calculated to be 20% of an annual salary. The listed fringe benefits in the SLIGP application are prorated per the percentage of time allocated to the project.

## **Travel**

**Federal:     \$240,579**  
**State:        \$127,684**  
**Total:        \$368,263**

Travel will be a very substantial portion of the project, as we expect face to face contact with all state, local, and tribal entities in the state. It is our expectation that each contractor meet with each jurisdiction in their assigned areas (cities, counties, tribal) to explain the upcoming FirstNet system and gather input relevant to the planning process for the National Public Safety Broadband Network (NPSBN), and later in phase 2 for the purpose of mapping resources potentially useful for the eventual buildout. State travel will include regional meetings, governance meetings, SCIP workshops, and out of state meetings. Committee/broadband subcommittee members of our governance will have costs reimbursed for travel relating to broadband planning, including in and out of state travel as required. All travel costs are based upon published state rates for mileage, per-diem, and lodging.

Expenses anticipated:

State vehicle mileage: Estimated 13,200 miles @ \$.50 for the SUV/Truck vehicles in use by the Radio Technicians and 48,800 miles at \$.37 for the sedan mileage expected by the Program Manager, Project Manager, and others utilizing State vehicles. This mileage will be utilized to provide outreach through regional meetings and direct contact with the stakeholders across the state, and assisting the regional contractors in the interaction with the stakeholders. During phase 2, the techs will assist the regional contractors in identifying state and local resources to be included in the inventory.

Our mileage calculations are based upon the following:

(State) In-state vehicle. SUV/Truck. Radio techs (two), assisting in outreach and data collection programs. Anticipating 11 trips each at 200 miles per year x 2 x three years.

(State) In State vehicle. Sedan. Project manager and Chief Radio Engineer each individually will commute to an average of 20 meetings per year @ 300 miles, program manager and Chief Terminal officer to an average of 6 meetings per year @ 300 miles. Also mileage to and from airports for out of state meetings (1,200 miles).

POV/Contractor Vehicles: The state reimbursement rate for Privately Owned Vehicles (POV) is \$.565. We are expecting that the contractors will be on the road for 3 of each 5-day workweek and are anticipating mileage at around 280,800 miles over the three years. We are anticipating approximately another 54,000 reimbursable miles to broadband subcommittee members attending an average of 6 meetings per year, and another 9,000 miles of reimbursable travel for the SCIP update process.

Lodging:

In-State: Between state personnel, contractors, and meeting/subcommittee members we are anticipating 1,251 nights of lodging over the 3 years at the maximum state rate of \$50/night.

This lodging includes daily outreach efforts, regional and state meetings for contractors, state, and local personnel working on NPSBN related activities.

Out of State: Between those same state, contracted, and committee members we are anticipating 111 nights of rooms at the maximum state rate of \$150/night. Again these meetings are for NPSBN and SLIGP related activities and meetings for contractors, state, and local personnel.

Per diem:

In-State: Between state personnel, contractors, and meeting/subcommittee members we are anticipating 1,782 reimbursable per-diem charges over the 3 years at the maximum state rate of \$26.

Out of State: Between those same state, contracted, and committee members we are anticipating 148 reimbursable per-diem charges at the maximum state rate of \$36.

Air Fare:

We are anticipating 37 out of state trips requiring airline travel for regional meetings and associated conferences dealing with the NPSBN. An average for budgeting we use in South Dakota is \$500/trip.

### **Supplies/Materials**

<b>Federal</b>	<b>\$20,439</b>
<b>State</b>	<b>\$28,984</b>
<b>Total</b>	<b>\$49,423</b>

Supplies and materials covers items such as computer equipment for the project, software for the outreach and data collection processes, telephones, office equipment, and equipment for data collection and documentation.

### **Phase 2 Tools**

The State of South Dakota recognizes that certain tools for Phase 2 data collection may be needed as those requirements are developed. Cost based upon South Dakota Broadband Initiative program expenses.

### **Office Materials**

Paper products, CD's, flash drives, and other office supplies for the three contractors and also the main BIT office for SLIGP-based activities. If we do a lot of our own presentation materials, monthly costs we anticipate for each contractor: \$50 for paper/ink products (\$150 extended), \$50 CD's/DVD's for presentation material (\$150 extended), one-time cost of \$300 business card (if prorated is \$24/month), one-time cost of \$1,000 for file cabinets (if prorated is \$84/month), one-time cost of \$3,600 for office desks, chairs, etc. (if prorated is \$100/month).

### **IT Supplies**

It is the intent of the State of South Dakota to utilize contracted personnel to provide the personal interface, which will mean setting up those personnel with the tools to do the work.

Outside of the normal communications equipment, we are including 3 mobile radios to allow the contractors to interface directly with the first responder agencies they will be working with. Often times this is the only method available to reach the users.

Laptop computers for contractors + docking station & monitor (3 @ \$2,128, state contract)

Smart phones for mobile connectivity, Blackberry or equivalent (3 @ \$200) State ATT contract.

Copy/printer/scanners for contractors (3 @ \$717, state contract)

#### Anticipated Supplies

Anticipated supplies/materials for Phase 2 data collection (3 @ \$4,000, estimating that additional paperwork, access, and other materials may be needed for Phase 2).

#### Equipment

<b>Federal</b>	<b>\$21,000</b>
<b>State</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$21,000</b>

Equipment for Phase 2 data collection. Anticipating that some networking equipment such as server and Storage Access Network (SAN) equipment may be needed for this phase. Will be further defined upon commencement of phase 2. Cost estimate based upon state process for SBI and BTOP programs.

#### Contractual Services

<b>Federal</b>	<b>\$843,000</b>
<b>State</b>	<b>\$51,000</b>
<b>Total</b>	<b>\$894,000</b>

#### Website Development

Web Development to add Broadband information and associated SLIGP-related survey tools to governance website. The \$300/hour rate is the contracted rate the State of South Dakota pays for outside website consultation. Tools such as survey, educational, and eventually (Phase 2) data collection ties into our current website solely for the purpose of the SLIGP process are anticipated.

#### Legal Representation

It is the intent of our governance council to develop not only a MOA covering state assets, but also to work individually with each local entity with resources that might be made available for the FirstNet project. As the volume expected would exceed the ability of the Attorney General's Office to handle, we have budget 500 hours @ \$150/hour for this to be contracted out.

#### Regional Contractors

South Dakota has over 77,000 square miles of land mass, nine recognized tribal areas, and most of our first responders operate on a volunteer basis. We have learned from 11 years of maintaining a statewide radio system that the only practical method of personally

interfacing with those first responders is to have regionally located technicians that can operate with flexible hours. With this in mind, we view our only option to meet ours and the goals of the SLIGP outreach and data collection process is to hire and train contractors for regions defined as Southeast (SE), Northeast (NE), and West (W). These regions were developed by number of users to interface with, and boundaries will be determined at the initial contractor meeting. Goals have been established for contact with all first responder agencies, 2<sup>nd</sup> responder agencies, and infrastructure vendors. Our estimated costs are based upon the average salary of a police officer from Sioux Falls (east), Pierre (central), and Rapid City (west), as provided by Salaries.com. \$62,000. We fully acknowledge that the SLIGP is a planning process and the regional contractors will provide the personal outreach that the State does not have FTE resources to do.

#### Regional Consultant

Contractor to coordinate South Dakota plan with regional partners. Funding will be limited to the South Dakota portion of the plan. Estimate based upon North Dakota cost for similar project. It is our intent to have the regional plan to include South Dakota and North Dakota at a minimum, with other adjoining states expressing interest as potential collaborators on a regional plan. Each state would be expected to retain these services individually, ideally with the same contractor to provide continuity. Having a common set of user needs and requirements would allow for a much more efficient interaction with FirstNet. We feel that this regional approach has value to the entire process, but understand that funding for our portion would be limited to South Dakota specific efforts. We anticipate 200 hours per year to coordinate with the state and develop a specific plan.

#### SCIP Update

We are estimating the cost to update the SCIP to fully integrate NPSBN into the document. This cost is derived from estimated travel and consultant expenses. Typically this is an activity that would be completed by the SWIC and governance council for statewide interoperability, but expect the activities surrounding the SLIGP process will pretty much dominate our time over the next three years. The cost is based upon what we have experienced for Emergency Management consultants helping us develop manuals and informational materials, and are estimating a total of 100 hours for this project.

#### Other

<b>Federal</b>	<b>\$113,085</b>
<b>State</b>	<b>\$35,040</b>
<b>Total</b>	<b>\$148,125</b>

#### Printing, Publishing, Mailing

Printing and publishing costs associated with outreach daily operations of the SLIGP process. Will leverage FirstNet generated materials, but will need State specific materials. For each of the contractors we are estimating an average cost of \$300 to generate approximately 150 professional outreach materials (flyers, brochures, etc.) at an average cost of \$2 each month. Additionally, a monthly newsletter (500) will be generated at a cost of \$1 each. Total cost per month for printing/publishing: \$900/month for professional

printing, another \$500/month for newsletter, total \$1,400/month. We expect in order to keep all of the user community and decision makers informed that regular correspondence, including monthly newsletters will be mailed to agencies and individuals. Estimated bulk-rate mailing cost of \$105/month for each contractor.

#### Mobile Telephone Service

We calculated \$75/month to supply each of the contractors with mobile phones and associated data services. We are expecting a total of \$225/month for the three contractors.

#### Office Internet/Data Services

We are estimating \$100/month for data services for the offices of the three regional contractors based upon the commercial data rates across the state. (\$300/month extended).

#### Teleconferencing/web conferencing

It is our intent to provide teleconferencing/web conferencing services to our three regional contractors to allow better collaboration with the other contractors and improve outreach efforts across the state. Based upon our state contract rates (\$150/month extended).

#### Space Billing

Space billing. It would be our intent to have the contractors operating from a state-owned facility if we can, to provide public access to our contractors. Based upon current space-billing rates, we expect that the cost for space and associated services to be around \$12.73/square foot for 500 square feet (\$6,365 x 3 annually for 3 years)

#### Meeting Space

We will at times need to organize meetings within the state on regional levels, requiring larger meeting areas than is typically available in government facilities. It has been our experience that we can get a decent sized meeting room for around \$200. Expecting 24 meetings over the course of the three years.

#### **Match Sources**

The South Dakota total match \$308,988, or what we calculate to be our annual amount of \$104,556 will be worked into the operating budgets of State Radio Communications and South Dakota Public Broadcasting which are generally funded and do not receive operating budget from federal. The match will be a combination of in-kind for the personnel services dedicated to this project, and cash for the travel, supplies/materials, contractual services, and other expenses as outlined.

#### Personnel

The personnel listed as part of the soft-match are all generally funded. The payroll and time-keeping system (TKS) that the state uses allows for a time study, enabling personnel to break out hours by project or discipline. A line for SLIGP will be added to the TKS profile of those personnel listed. The Project Manager's time, and the BIT Secretaries time will NOT be included for purposes of this match because the funding source for this position is from user fees and South Dakota does not have a participating agreement with the Feds for

cost allocation.

### Travel

Travel for state personnel is a chargeable expense paid to the Bureau of Administration (BOA) who maintains the state vehicle fleet. Mileage logs will confirm trips for the purpose of the SLIGP. The following calculations and rates outline our expected travel:

1. (State) In-state vehicle. SUV/Truck. Radio techs assisting in outreach and data collection programs. Appx 11 trips each at 200 miles, per year.
2. (State) In State vehicle. Sedan. Project manager (23) and Chief Radio Engineer (15) each will commute to an average of 20 meetings per year @ 300 miles, program manager and Chief Terminal officer to an average of 6 meetings per year @ 300 miles. Also mileage to and from airports for out of state meetings (1,200 miles)
3. Lodging (In-state) \$50 rate is state maximum for in-state lodging. Calculating in-state meetings and conferences for state personnel and contractors requiring overnight travel. Expecting contractors (3) to have an average of 104 nights on road per year.
4. Lodging (out of state) \$150 rate is maximum allowable under state guidelines. Calculating costs with sending state personnel, local personnel, and contractors to annual meetings, regional meetings, and other specific related out of state travel.
5. Air Travel. Estimating \$500/trip based upon experience. Travel for associated state and local personnel and contractors to travel to out of state meetings. Calculating 37 trips for SLIGP-related activities.
8. Per Diem (Out of State) State allowance is \$36 in state. Per-diem allowed for associated state and local personnel, and contractors for NPSBN business attending meetings outside the state. Calculating 148 reimbursable per-diem requests for SLIGP-related activities over the three years.

### Supplies

1. South Dakota has calculated \$28,984 over the three grant performance period for match from the state. The State Radio budget is generally funded, and will contribute and average of \$14,661/year towards this end. All costs for these items are directly from either state contract, or experience from the BTOP project.

### Contractual Services

1. South Dakota will commit \$51,000 over three years from the State Radio contractual services budget to fund this area.

### Other



1. South Dakota has calculated a contribution of \$34,500 over three years from the contractual services budget (general funds) for the purpose of mobile phone service, data service for the contractors, meeting space, and mailing services.
2. Meeting Space. Meeting space will need to be retained for larger meetings with state, local, and tribal first responders. Calculating we will need space for at least 24 meetings, typically the cost per room from experience statewide is around \$200.

#### Final Match

The State Radio general funds will be strained to meet the match required for this project, and a request to the 2014 legislature will be made to augment the budget through this process. The ramp-up and operational aspects will take part of our 2014 (July 2013-June 2014), so we feel that we can handle the initial year with existing budget.

## 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><b>* SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL</b></p> <p>Deborah Larson</p>	<p><b>* TITLE</b></p> <p>Chief Information Officer</p>
<p><b>* APPLICANT ORGANIZATION</b></p> <p>South Dakota Bureau of Information and Telecommunications</p>	<p><b>* DATE SUBMITTED</b></p> <p>03/14/2013</p>

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## CERTIFICATION REGARDING LOBBYING

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

**LOBBYING**

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

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, 'Disclosure Form to Report Lobbying,' in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

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

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

**\* NAME OF APPLICANT**

South Dakota Bureau of Information and Telecommunications

**\* AWARD NUMBER****\* PROJECT NAME**

South Dakota Public Safety Broadband Network

**Prefix:**

Mr.

**\* First Name:**

David

**Middle Name:****\* Last Name:**

Zolnowsky

**Suffix:**

**\* Title:** Chief Information Officer

**\* SIGNATURE:**

Deborah Larson

**\* DATE:**

03/14/2013



# STATE OF SOUTH DAKOTA

DENNIS DAUGAARD, GOVERNOR

On February 22, 2012, President Obama signed into law H.R.3630, the "*Middle Class Tax Relief and Job Creation Act of 2012*." Title VI of H.R.3630, entitled "Public Safety Communications and Electromagnetic Spectrum Auctions," includes provisions to fund and govern a Nationwide Public Safety Broadband Network (NPSBN). The bill establishes a new entity within the Department of Commerce's National Telecommunications and Information Administration (NTIA) to oversee planning, construction, and operation of the nationwide network, known as the First Responders Network Authority (FirstNet). The Secretary of Homeland Security is one of three Federal representatives to the FirstNet board, along with the Office of Management and Budget Director and the US Attorney General.

Section 6206(c)(2) of the Act directs FirstNet to consult with regional, state, tribal, and local jurisdictions about the distribution and expenditure of any amounts required to carry out the network policies that it is charged with establishing. This section enumerates several areas for consultation, including: (i) construction of a core network and any radio access network build-out; (ii) placement of towers; (iii) coverage areas of the network, whether at the regional, state, tribal, or local level; (iv) adequacy of hardening, security, reliability, and resiliency requirements; (v) assignment of priority to local users; (vi) assignment of priority and selection of entities seeking access to or use of the NPSBN; and (vii) training needs of local users.

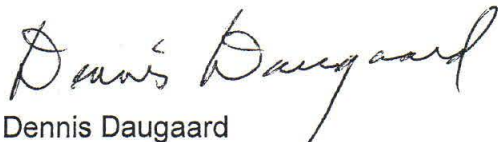
The consultation required under this Act shall occur between the first responder network authority and the single officer or governmental body designated by the governor of each state.

In accordance with the requirement under this Act for each governor to certify a single point of contact for coordination with FirstNet within their state, Governor Daugaard hereby appoints the South Dakota Public Safety Communications Council (SDPSCC) administered by the Bureau of Information and Telecommunications as that representative body. The Bureau of Information and Telecommunications, as the administering agency, has contracting authority as required to fulfill the grant requirements. The acting SDPSCC coordinator, Jeffrey Pierce, shall function as the single point of contact, and all policy and procedural actions shall be made by a quorum of SDPSCC members.

#### Contact Information

Jeffrey Pierce  
Engineering Manager  
700 Governors Drive  
Pierre, SD 57501  
Office: 605.773.4347  
Fax: 605.773.3741  
[jeff.pierce@state.sd.us](mailto:jeff.pierce@state.sd.us)

Sincerely,

  
Dennis Daugaard