

U.S. Department of Commerce Performance Progress Report				2. Award or Grant Number:	33-10-S13033
				4. EIN:	02-6000618
1. Recipient Name	New Hampshire Department of Safety			6. Report Date (MM/DD/YYYY)	4/23/2018
3. Street Address	33 Hazen Drive			7. Reporting Period End Date: (MM/DD/YYYY)	2/28/2018
5. City, State, Zip Code	Concord, NH 03305			8. Final Report	9. Report Frequency
				Yes <input checked="" type="checkbox"/>	Quarterly <input checked="" type="checkbox"/>
				No <input type="checkbox"/>	
<b>10a. Project/Grant Period</b>					
Start Date: (MM/DD/YYYY)	9/1/2013	10b. End Date: (MM/DD/YYYY)	2/28/2018		
<b>11. List the individual projects in your approved Project Plan</b>					
	Project Type (Capacity Building, SCIP Update,	Project Deliverable Quantity (Number & Indicator Description)			
1	Stakeholders Engaged	341		<i>Actual number of individuals reached via stakeholder meetings during the quarter</i>	
2	Individuals Sent to Broadband Conferences	0		<i>Actual number of individuals who were sent to third-party broadband conferences using SLIGP grant funds during the quarter</i>	
3	Staff Hired (Full-Time Equivalent)(FTE)	0		<i>Actual number of state personnel FTEs who began supporting SLIGP activities during the quarter (may be a decimal)</i>	
4	Contracts Executed	0		<i>Actual number of contracts executed during the quarter</i>	
5	Governance Meetings	6		<i>Actual number of governance, subcommittee, or working group meetings held during the quarter</i>	
6	Education and Outreach Materials Distributed	0		<i>Actual volume of materials distributed (inclusive of paper and electronic materials) plus hits to any website or social media account supported by SLIGP during the quarter</i>	
7	Subrecipient Agreements Executed	0		<i>Actual number of agreements executed during the quarter</i>	
8	Phase 2 - Coverage	6			
9	Phase 2 – Users and Their Operational Areas	6		<i>For each Phase 2 milestone category, please provide the status of the activity during the quarter:</i> <ul style="list-style-type: none"> <li>• Stage 1 - Process Development</li> <li>• Stage 2 - Data Collection in Progress</li> <li>• Stage 3 - Collection Complete; Analyzing/Aggregating Data</li> <li>• Stage 4 - Data Submitted to FirstNet</li> <li>• Stage 5 - Continued/Iterative Data Collection</li> <li>• Stage 6 - Submitted Iterative Data to FirstNet</li> </ul>	
10	Phase 2 – Capacity Planning	6			
11	Phase 2 – Current Providers/Procurement	6			
12	Phase 2 – State Plan Decision	6			
<b>11a. Describe your progress meeting each major activity/milestone approved in the Baseline Report for this project; any challenges or obstacles encountered and mitigation strategies you have employed; planned major activities for the next quarter; and any additional project milestones or information.</b>					
<p>The SIEC last met on February 2nd, 2018 which satisfied the first-quarter meeting for 2018. The SIEC is due to meet in the second-quarter on May 4th, 2018. Between these two periods, SIEC Working Groups maintain an aggressive work schedule meeting at least monthly, if not more often depending on current state of events. FirstNet/AT&amp;T is maintaining an aggressive Winter/Spring 2018 schedule, meeting with public safety entities from throughout the state which is coordinated through the SWIC/SPOC Office of Interoperability. Coverage and Cost remains the primary concern for first responders statewide and it's through continued dialogue that these challenges are addressed.</p>					
<b>11b. No changes expected</b>					
No changes					
<b>11c. Provide any other information that would be useful to NTIA as it assesses this project's progress.</b>					
<p>Concerns still remain significant as it relates to coverage and cost for the FirstNet product delivered by AT&amp;T. New Hampshire has been advised that the pricing through AT&amp;T will be consistent for all New England States. The concern is that what may be affordable in Greenwich, Connecticut, may not be the case in Colebrook, New Hampshire.</p>					

**11d. Describe any success stories or best practices you have identified. Please be as specific as possible.**

Coordination of all FirstNet/AT&T meetings with Public Safety entities in New Hampshire are scheduled through the SWIC/SPOC. The presentation made by FirstNet/AT&T is introduced by the SWIC/SPOC where statewide commitment to the SIEC and the State's Governance Model is explained and emphasized.

**12. Personnel**

**12a. If the project is not fully staffed, describe how any lack of staffing may impact the project's time line and when the project will be fully staffed.**

N/A

**12b. Staffing Table - Please include all staff that have contributed time to the project. Please do not remove individuals from this table.**

Job Title	FTE%	Project (s) Assigned	Change
SWIC	0.65	Management and coordination of grant project activities	
Program Specialist IV	0.01	Financial Tracking and Reporting	
Informational Representative	0.5	Web development, social media outreach programs, newsletters, general SPOC support	

**13. Subcontracts (Vendors and/or Subrecipients)**

**13a. Subcontracts Table - Include all subcontractors. The totals from this table must equal the "Subcontracts Total" in Question 14f.**

Name	Subcontract Purpose	Type (Vendor/Subrec.)	RFP/RFQ Issued (Y/N)	Contract Executed (Y/N)	Start Date	End Date	Total Federal Funds Allocated	Total Matching Funds Allocated
Data Collection Activities	Consulting Services	Mission Critical Partners	Y	Y	2/10/2005	6/30/2016	\$192,898.00	\$0.00

**13b. Describe any challenges encountered with vendors and/or subrecipients.**

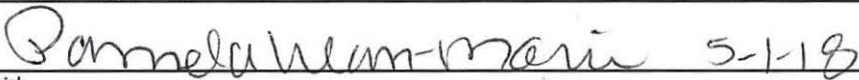
None at this time

**14. Budget Worksheet**

Columns 2, 3 and 4 must match your current project budget for the entire award, which is the SF-424A on file. Only list matching funds that the Department of Commerce has already approved.

Project Budget Element (1)	Federal Funds Awarded (2)	Approved Matching Funds (3)	Total Budget (4)	Federal Funds Expended (5)	Approved Matching Funds Expended (6)	Total funds Expended (7)
a. Personnel Salaries	\$264,038.00	\$201,776.00	\$465,814.00	\$31,239.20	\$208,527.26	\$239,766.46
b. Personnel Fringe Benefits	\$106,347.00	\$15,812.00	\$122,159.00	\$2,502.70	\$16,483.27	\$18,985.97
c. Travel	\$59,460.00	\$1,035.00	\$60,495.00	\$16,819.50	\$406.45	\$17,225.95
d. Equipment			\$0.00			\$0.00
e. Materials/Supplies	\$8,943.00	\$1,350.00	\$10,293.00	\$1,570.34		\$1,570.34
f. Subcontracts Total	\$360,630.00		\$360,630.00	\$192,898.00		\$192,898.00
g. Other	\$21,280.00		\$21,280.00	\$3,994.47		\$3,994.47
h. Indirect	\$59,189.00		\$59,189.00	\$6,013.19		\$6,013.19
i. Total Costs	\$879,887.00	\$219,973.00	\$1,099,860.00	\$255,037.40	\$225,416.98	\$480,454.38
j. % of Total	80%	20%	100%	53%	47%	100%

**15. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purpose(s) set forth in the award documents.**

<b>16a. Typed or printed name and title of Authorized Certifying Official:</b>		<b>16c. Telephone (area code, number, and extension)</b>
Pamela Urban-Morin, Grant Administrator		603-271-7663
<b>16b. Signature of Authorized Certifying Official:</b>		<b>16d. Email Address:</b>
		<a href="mailto:Pamela.Urban-Morin@dos.nh.gov">Pamela.Urban-Morin@dos.nh.gov</a>
		<b>Date:</b>
		4/23/2018

Wednesday, January 17, 13:30hrs  
Radio Frequencies Working Group  
NHFA Dorm building, Classroom #5.

#### Agenda

- Finalize Freq matrix (VHF) revisions and best-practices document for SIEC approval on 2/2  
(Rick Todd will be sending the latest matrix edition shortly)
- Discuss/update out-of-band frequency matrix  
(the last copy I found is attached--clearly it needs to be updated. I have an inquiry in to Manchester & Nashua to confirm what they've programmed--and copying Dave Chase for UHF).
- Discuss/finalize State Agency radio ID scheme  
\*\*\*\*STATE AGENCY FOLKS, YOU NEED TO WEIGH-IN!!!\*\*\*\*  
(The draft scheme was previously sent to the list in November)
- Update on MHT new tactical channel implementation
- Update on DHS grant applications process

FirstNet/AT&T Meeting  
January 26, 2018

- 11,000 FirstNet users currently on the network, predominantly those who opted-in early.
- March 2018 – Core will be available
- Deployables
  - One in North NH to provide service until the network is up and running
  - 2 COAM, state vehicles – provided up front. Who manages?
- WebEx Training for ICAM and App Store, etc.
  - Discussion for governance
  - Possible yearly reminder for people at individual agencies to activate or deactivate users to keep their list current.
- AT&T will report on the number of agencies subscribed in the state
- SIEC should establish and “App Committee” to develop a recommended list. Coverage committee? Pricing committee?
- FirstNet is CJIS enabled – they will have to connect an edge router back into the core
- FirstNet will track “reported trouble spots”
- Non-public safety agencies that call to report lack of coverage should be referred to Carol Miller
- AT&T would like to meet quarterly, and in the short term is willing to meet monthly
- AT&T currently has 335 sites in the state, 12 do not have LTE it will be 1-2 years before they have 700 LTE
- Pricing is currently being negotiated with the state. There will be a New England pricing model. A statewide contract that any community or individual will buy off of.
- If you switch your current carrier to AT&T there will be a one-time credit per line.
- Meeting took place recently in Newbury
- AT&T tech partners can come quarterly and demonstrate their equipment

**New Hampshire  
Statewide Interoperability Executive Committee (SIEC) Meeting  
New Hampshire Department of Safety  
2<sup>nd</sup> Floor Conference Room  
February 2, 2018  
9:00a.m.**

- I. Welcome and Introduction
- II. Accepting Minutes from September 26<sup>th</sup>, October 5<sup>th</sup> and November 3<sup>rd</sup>.
- III. SIEC Charter Discussion – Chairperson Ernie Petrin
- IV. New Hampshire Updates – John Stevens, SWIC/SPOC
- V. Working Groups Status Updates
  - Radio Frequency Communications WG – Tom Andross
  - Operations WG – Chief Mark Doyle
  - Data Communications WG – Carol Miller
- VI. FirstNet Presentation - Mike Varney, Region 1 Coordinator, FirstNet
- VII. AT&T Presentation – Owen Smith, Regional Vice President – New England, AT&T  
Bruce Fitzgerald, Principal Consultant - FirstNet, AT&T
- VIII. Next Meeting Date:  
May 4, 2018 @ 9:00 AM  
NHFA Classrooms 5 & 6
- IX. Adjourn

**New Hampshire  
Statewide Interoperability Executive Committee (SIEC) Meeting  
New Hampshire Department of Safety  
2<sup>nd</sup> Floor Conference Room  
February 2, 2018  
9:00a.m.**

**I. Welcome and Introduction**

Meeting called to order @ 9:05 AM

**II. Accepting Minutes from September 26<sup>th</sup>, October 5<sup>th</sup> and November 3<sup>rd</sup>**

A motion to accept the minutes was made by Dan Eaton and seconded by Chief Sitar.  
All voted in favor, the minutes were approved.

**III. SIEC Charter Discussion – Chairperson Ernie Petrin**

There were some additions made to the membership of the SIEC. A change was made to the Executive Management Group to match the charter: 8 members comprised of the 3 chairs of the working groups, the chair, vice chair and secretary of the SIEC, a representative of the legislature and the SWIC. The house bill has gone through the House of Representatives and has moved on to the senate. The Executive Management Group will meet after to discuss the possibility of adding Corrections to the membership.

**IV. New Hampshire Updates – John Stevens, SWIC/SPOC**

The Office of Emergency Communications will facilitate a SCIP update workshop in March. The tentative dates are either March 27 & 28 or 28 & 29. SIEC members are encouraged to attend. FirstNet needs to be incorporated into the SCIP. In our last SCIP we established goals assigned to working groups, many of which have been accomplished. We will again set goals in our updated SCIP.

The state of CT is doing a COMM-L training April 9-11, and they have offered up seats for interested individuals. During the NHEDA conference there will be a meeting to discuss COMM-L candidates who are eligible for graduation. The NHEDA conference is April 9-11 at the Red Jacket Inn in Conway.

**V. Working Groups Status Updates**

• **Radio Frequency Communications WG – Tom Andross**

Six documents were sent by email to the SIEC regarding updated radio schemes and matrixes. Included was a Standard Public Safety Template Guideline. This guideline gives an explanation to how the zones and matrixes are built, and provides guidance on hot button topics regarding



channels. Encryption is also discussed in the document. John Stevens thanked the Radio Frequencies Working Group for efforts.

A motion to accept the documents was made by Chief Sitar and seconded by Mark Proulx.

Hanover Police received a new license in April, they will send updated information by the end of the day. How will ongoing additions be handled? DoIT is working on a master database for those who need access to it. Can the SIEC approve as written, and authorize the work group to continue to manage the documents? There are concerns about the messaging being communicated to everyone. It was suggested that there be direction from the SWIC's Office, so that authorized individuals can receive proper changes. To have a memo go out from the SWIC's office concerning revisions. The general public should not be granted access to these documents.

All voted in favor. The documents are approved.

The working group has committed to meeting on the third Wednesday of every month. The work group will meet on February 21<sup>st</sup> at the Manchester airport.

- **Operations WG –Director Mark Doyle**

The working group is waiting for the matrix to be finalized so they can develop a letter to be sent to the partners. They will sit down to get a memo from the SWIC's office to send out, which will also be forwarded to members of the SIEC to send out.

- **Data Communications WG – Carol Miller**

The working group met with AT&T on January 26th, Mike Varney updated us on progress. There will be one deployable which will be stationed in the north, and two co-managed vehicles. Other topics discussed included onboarding, training, bring your own device, tier 1 and 2 users, device applications, etc. Bruce Fitzgerald and Lisa Benincasa are New Hampshire's Principal Consultants. They will meet with public safety to promote and sell, and will be available to meet regionally. Coverage requests should be sent to AT&T for evaluation. There will be 48 new sites, 14 in Coos. AT&T currently has 335 sites in the state. More sites will be developed in the coming years. Site approval may be a challenge, the Department of Resources and Economic Development will work on scheduling a meeting to address possible challenges. Regular meetings will occur between the working group and AT&T/FirstNet.

**VI. Owen Smith, Regional Vice President – New England, AT&T**

Owen spoke about AT&T's presence in New Hampshire. AT&T has 200 employees in the state, and has invested 20-25 million in the state. Their business offices are located in Nashua and Bedford.

**VII. FirstNet Presentation - Mike Varney, Region 1 Coordinator, FirstNet**

Mike introduced AT&T and FirstNet individuals present:

Bruce Fitzgerald, AT&T

Lisa Benincasa, AT&T

MaryBeth Thomas, AT&T

Jeff King, FirstNet

Joseph Cusato, AT&T

Robert Klein, AT&T

All 56 states and territories have opted in. 2018 will focus on the buildout, driving innovation, securing emergency communications, and consultations with public safety. The core will be available in March.

**VIII. AT&T Presentation – Bruce Fitzgerald, Principal Consultant - FirstNet, AT&T**

Priority and preemption will be available in March. Their goal is to provide coverage to 99% of population in USA. AT&T has included all of their bands in the FirstNet network. They have 500+ deployables, and are adding 72 dedicated to public safety. Specific to NH they will provide 1 deployable owned by AT&T and 2 owned by the state. Public safety users will be the only ones on the core. A question was asked to why do they need priority and preemption when they're the only ones on the core? You need it for the tower. All users will utilize the same towers, via airwaves. The core site at the cell site/tower will route traffic differently, FirstNet SIM card users will route to the public safety core, commercial users go to the main AT&T core. A question was asked if it's true that preemption doesn't take place until 8,000 users on a site? There is no set number, an algorithm determines this. Consumers 911 call will still go through. A question was asked, what happens when thousands call in to 911? Voice uses a minimal amount of bandwidth, so that shouldn't be a problem. It's the data streaming that consumes the bandwidth. AT&T has 140 MHz in NH. How will interoperability be handled in terms of cross border, with LMR, with other carriers which comprise mostly of public safety, and with other AT&T subscribers? Interoperability with other carriers and current AT&T commercial users will continue to exist peacefully. If there is an application only available on the FirstNet store, where a third party will be developing said application, they are unsure. In regard to the border with Canada, where AT&T has roaming agreements the roaming fees will be waived. AT&T has augmentation for LMR, but it is not a replacement. They have Push-to-Talk but not MCPTT. Will non-public safety users have access to band 14? If they have a chip, yes. This supports the financial model.

Break called at 10:28 AM

Reconvened at 10:40 AM

AT&T's FirstNet rate plans are competitive. They have a nationwide contract through NASPO. They are currently working with the state purchasing office to execute a statewide contract. Individuals will be able to purchase off of this contract. There will be a New England rate, and it will be coming in the next couple of weeks. Rates will vary based on unlimited talk, text and



data, tethering, or pooled plans. Volunteer first responders can have an individual plan. The municipality or agency has to sign on to FirstNet. The town has to buy in, but doesn't necessarily have to pay for the plans. What if a volunteer firefighter signs up, and wants his family on his plan too? The first responder will get the FirstNet phone and plan, the rest of the family gets a traditional AT&T phone and pricing. They are offering unlimited talk, text, and data for \$40 per month. As well as some 99 cent pricing for phones. They want to work with you to determine what your needs are. All municipalities will all be able to purchase off the state plan. Can we port in our numbers? Yes, and they will offer an incentive to switch carriers such as a one-time credit. Have the primary and extended primary user definitions been set? The list is evolving in terms of where people fall in. Who is vetting this list? FirstNet will come to John Stevens and work with the SIEC. FirstNet should be the arbiter. The lists will be shared with John. Will we be able to bring our own devices? Maybe, it depends on the phone. If it's not possible, they will offer incentives. Will they be vetting CAD software that public safety is currently using? If your vendor wants to be vetted they can go through the process.

FirstNet is available now because of the all-band solution. They will have a dedicated public safety core available in March, and dedicated customer service available in June. The band 14 overlay requires structural analysis at each site. The first sites to have band 14 will be available in March. The portal features the progression. There is the ability to see signal levels "dvm level". There will be 48 new sites, and there are 335 existing sites. Beyond 5 years incremental coverage will be increased. The map in the portal has planned sites, and they are developing more detailed maps. Will there be a specific date associated with each site? As they materialize, AT&T will communicate with John and the Data Communications Working Group. Will the 48 towers be in underserved areas, and is there a priority structure? The sites will be worked simultaneously.

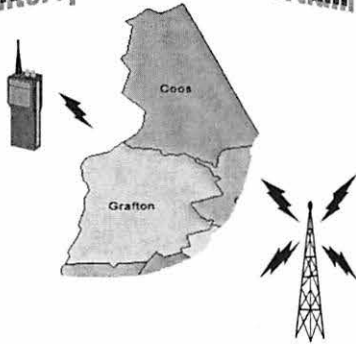
IX. Next Meeting Date:

May 4, 2018 @ 9:00 AM  
NHFA Classrooms 5 & 6

X. Adjourn

A motion to adjourn was made by Dan Eaton and seconded by Chief Sitar @ 11:35 AM.

# North Country Interoperability Consortium



North Country Interoperability Consortium  
[www.northcountryinterop.com](http://www.northcountryinterop.com)

February 7, 2018

Lincoln Police Department  
(town offices)

## ➤ Introductions

### *Agency information*

- NHDOS
  - NH911
    - ◆ Mapping
    - ◆ Operations/Training
    - ◆ Commission
  - NHHSEM
    - ◆ Franconia Notch Response Plan workshop scheduling
  - Office of Interoperability
  - SIEC
    - ◆ FirstNET
      - *Presentation—AT&T*
- NHEDA
  - Conference
  - Standards

Outstanding/upcoming issues

*Roundtable/local issues*

*Next meeting date & location*

Monday, February 12  
1:00-3:00 PM  
NH Fire Academy Classroom 5

Data Communications Expanded Working Group Meeting with AT&T

Agenda

- Review 48 site locations
- Discuss secondary site locations

**NH STATEWIDE INTEROPERABILITY EXECUTIVE COMMITTEE  
RADIO FREQUENCIES WORK GROUP**

**February 21, 2018 Meeting**

1:30 PM

Administrative Office Boardroom  
Manchester-Boston Regional Airport  
Manchester, NH

Attendance Sheet: Tom Andross

Meeting opened at 1:35 PM by Chairman Tom Andross.

**Radio ID Numbers:**

- \*NH DHHS Emergency Services Unit has cache of P-25 portable radios
- \*Supply of "suitcase" 50-watt "base radios primarily assigned to the Regional Public Health Networks
- \*ID series number: 6300 – 6399

\*Attorney General's Drug Task Force radio ID numbers need to be identified. Jim Kowalk will check

\*Town & County ORI assignments:

\*no other additions

\*Mutual Aid Districts numbers added to the project based on the approval vote at the previous SIEC meeting

**RadioNet Matrices:**

- \*SIEC authorized SWIC & Frequencies WG to maintain matrixes with updates as needed & publish same
- \*Rick Todd requested clarification on naming of the Farmington FD radio channel utilized by northern Strafford County agencies (Skip Christenbury had recommended "Strafford North")
- \*Discussion on current radio frequencies & tones for Berlin FD
- \*Discussion on current Lebanon FD radio frequencies
- \*NH DNCR nomenclature has changed
- \*Manchester-Boston Regional Airport law enforcement mutual aid portable & mobile repeater frequencies for addition to matrixes
- \*Discussion on potential interference with Cheshire Cty. Sheriff's Dept. special ops repeater input & the Airport's 3-watt repeater
- \*Committee will follow-up on the Cheshire Cty. concern with MOU matrixes wording
- \*EMSNet matrix appears all set
- \*Once Berlin FD frequencies finalized an updated set of matrixes will be sent to the Radio Shops covering New Hampshire agencies. (Jon Goldman will coordinate the mailing)
- \*Discussion on "400-900" matrixes.
- \*Manchester & Nashua Communications met with SWIC & Chairman Andross regarding the 700 – 800 MHz frequencies. Interop channel labeling will follow the NiFOG format
- \*Chairman Andross recommended Manchester & Nashua develop an "H" Bank 700 & 800 MHz plan for standardization
- \*Future meeting discussion of "ground-to-air" radio frequencies
- \*Future meeting discussion of standardizing programming of the 3 "State" caches of portable radios

**\*Future meeting discussion with NH DOT on updating NH DOT Low Band & UHF interoperability plans**

**SCIP Project Initiatives:**

Chairman Andross noted the following components of the existing document still need to be addressed:

\*Develop Plan for "Statewide Hailing Channel" Project with 24/7 statewide monitoring capability

\*Consider future interoperability Exercises

\*Develop in-state regional tactical communications Plans

\*Future SIEC meeting: recommend a policy decision on the appropriate tone-coded squelch code for 155.475 MHz & 154.280 MHz

\*Work Group recommends SWIC letter announcing SIEC's decision on the above frequencies from a "best practices" perspective

\*Encourage and monitor progress of Dept. of Safety DoIT on developing SWIC website inclusion of the various radio frequencies matrices

**Future Meetings Schedule:**

Wed. 3/21/18 1:30 PM – NH Fire Academy – Concord

Wed. 4/18/18 10:00 AM – Southwest Mutual Aid – Keene

Wed. 5/16/18 1:30 PM - Derry Municipal Bldg. – Derry

Wed. 6/20/18 1:30 PM – NH Fire Academy – Concord

Meeting adjourned at 3:30 PM.

**Notetaker:**

Bill Wood

Preparedness & Special Projects

NHFST & EMS