U.S. Department of Commerce		2. Award or Grant Number 08-10-S13008	
Performance Progress Report		4. EIN 840644741	
1. Recipient Name Colorado Department of Public Safety		6. Report Date: 04/21/2015	
3. Street Address 9195 East Mineral Avenue, Suite 200		7. Reporting Period End Date: 3/31/2015	
5. City, State, Zip Code: Centennial, CO 80112		8. Final Report □ Yes X No	9. Report Frequency X Quarterly
10a. Project/Grant Period Start Date: (07/01/2013)	10b. End Date: (12/31/2017)		
11. List the individual projects in your approved Project Plan			

	Project Type (Capacity Building, SCIP Update, Outreach, Training etc.)	Project Deliverable Quantity (Number & Indicator Description)	Total Federal Funding Amount	Total Federal Funding Amount expended at the end of this reporting period	Percent of Total Federal Funding Amount expended	
1	Stakeholder Meetings	19 Meetings / 705 Attendees/1 Initial State Consultation Mtg/ 1 NPSTC PQoS Working Group/ 1 PS LTE Demo Network Tour and Open House				
2	Broadband Conferences	5 (1 Program Staff attended NV State Consultation Mtg)/ SPOC – WSRD Spectrum Sharing Conference in March 2015, OIT Program Staff and ADCOM Staff attended IWCE in Las Vegas in March 2015)				
3	Staff Hires	0				
4	Contract Executions	0				
5	Governance Body meetings	2 Meetings / 19 Attendees – due to a scheduling conflict, the FirstNet Colorado Governance Body met in January and March 2015. There was no meeting in February 2015 – however updates were provided to the Body as needed via email.				
6	Education and Outreach Materials	18 presentations /1 newsletter (1570 deliveries, 591 unique opens = 37.6% Open Rate) / 3 Videos / 1 LTE Basics				

		Workshop/ Website (2311 sessions, 1439 new users, 5465 pageviews) / 442 Twitter Followers (Cumulative for Quarter)/ 198 Facebook Likes (for Quarter)			
7	MOU/Legal Committee Meetings	0			
8	Phase II Activities	N/A			

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.

1.) January and March 2015 FirstNet Colorado Governing Board (FNCGB) meetings (19 total attendees/ 2 meetings) were held with the Colorado members in person and via Web/conference Bridge.   Due to a scheduling conflict, the FirstNet Colorado Governance Body did not meet in February 2015; however, programmatic updates were provided to the Body as needed via email.

2.) Colorado held its Initial State Consultation meeting with FirstNet on January 14, 2015. The event was attended by ~123 local, tribal, state, and federal stakeholders and many interested private sector partners. The FNCGB held a smaller meeting, lasting approximately 1 hour 30 minutes, with FirstNet staff after the initial consultation meeting as well.

3.) The FNC Program Staff, SPOC and/or FirstNet Colorado Governing Body members presented/participated at the following meetings during the quarter: City and County of Broomfield, Park, Boulder, Gilpin, Logan, Adams, Sedgwick, Washington, Mineral, Kiowa and Otero Counties. In addition, outreach occurred with the County Sheriff's of Colorado (CSOC) Winter Meeting and at the quarterly State Emergency Medical Trauma Advisory Council (SEMTAC). The SPOC also co-presented with national FirstNet staff at the Statewide Public Safety Radio Summit in March 2015.

   Since the start of SLIGP, outreach efforts have reached the following stakeholders:
   - 47 of 64 counties contacted, representing 73% of all Colorado counties
   - 6 State Agencies
   - 9 All Hazards/Homeland Security Regions
   - 7 Government/Trade/Disciplinary Organizations (at multiple regional meetings)
   - 1 911 Authority Board
   - 1 Tribe

4.) The SPOC attended the Wireless Spectrum Research and Development (WSRD) "Federal - Commercial Spectrum Sharing Workshop" in Hoboken, NJ on March 19, 2015 (funding was provided by WSRD, not SLIGP). FNC Program Staff (2) and ADCOM staff (1) attended the IWCE Conference in Las Vegas in March 2015. FNC Program Staff presented on the Ski Championships Demo Network (see #8 below) and Walt Leslie with ADCOM presented on the Early Builders panel.

   The FNC Public Safety Broadband Program Manager attended the Nevada Initial State Consultation meeting in Carson City, NV on 1/7/15 in preparation for Colorado's consultation meeting the following week.

5.) The SPOC and FNC Program Staff participated in each quarterly FirstNet SPOC call, each monthly FirstNet Region VIII call, the FirstNet draft Data Collections calls, the WestNet bi-weekly call and attended the FirstNet Board and Special Board Meetings via web session. Staff provides monthly programmatic updates (in person whenever possible) to all of the major Land Mobile Radio and Public Safety Communications stakeholder groups (e.g., Consolidated Communications Network of Colorado (CCNC), Rocky Mountain Harris Users Group, Public Safety Communications Subcommittee (PSCS), and All Hazards Region/Homeland Security Coordinators Meeting.) The SPOC participated at the in-person draft Data Call with FirstNet in Reston, VA on February 18, 2015.

6.) Internally, Staff efforts for the quarter included working on the following: FirstNet Colorado branding, marketing, website (www.firstnetcolorado.org), outreach planning, and newsletter publications.

Q1 Stats:

	Website Sessions	Website Users (% of New Users)	Website Page Views	Twitter Followers (Cumulative)	Facebook Likes
January 2015	890	486 (47.1% new users)	2,335	170	68
February 2015	751	533 (63.6% new users)	1,624	381	52
March 2015	670	420 (55.2% new users)	1,506	442	78
TOTAL	2311	1439 (62.2% average)	5,465	442 CUMULATIVE	198

Newsletter Stats:
- January/February 2015 Newsletter: 1,570 successful deliveries, 591 unique opens (1,312 total opens by same users) = 37.6% OPEN RATE, 4 unsubscribed

Media Mentions: 11 Total for the Quarter can be found at: https://sites.google.com/a/state.co.us/firstnetcolorado/home/news/fnc-in-the-news

LTE Demonstration Network at Ski Championship Gives a Glimpse into the Future of Mobile Data Use by Public Safety - OEC Emergency Communications Forum Spring 2015 (page 6-7)

Op-Ed In response to "Public-Safety LTE Pilot Exposes Necessity of Private Network" from Feb. 17 - 04.01.15

First Responders Test Future Public Safety Net - 03.24.15

Pilot Highlights Need for Private LTE - 03.15 @RadioResourceMG

Public-Safety LTE Pilot Exposes Necessity of Private Network - 02.17.15

FirstNet Blog: Public Safety LTE Demo Network at the 2015 FIS Alpine World Ski Championships - 02.17.15

Public Safety Broadband Demonstration Project Taking Place During the World Alpine Ski Championships - 02.12.15

ESChat Supporting FirstNet Colorado and the 2015 World Alpine Ski Championships - 01.29.15

Colorado to demo LTE safety network - 01.28.15

FirstNet Initial Consultation Meeting in Colorado @DailyDispatch - 01.27.15

FirstNet Initial Consultation Meeting in Colorado - 01.26.15

Colorado's State Consultation with FirstNet Offers New Information, but Many Details Pending RFP - 01.20.15

Public-Safety LTE Demo Network Planned for World Ski Championships - @RadioResourceMG - 01.06.15

7.) The Coverage Modeling RFP published and reviewed during Q4 2014 was awarded to Signals Analytics, LLC. The Master Contract and Statement of Work (SOW) (based on the original RFP) was drafted and signed when NTIA advised on March 23, 2015 that some of the previously allowable items under SLIGP were no longer allowable. OIT and DHSEM

worked with NTIA staff to modify the original project SOW to reflect and expand those items which were still allowable under the original procurement and those which were no longer allowable through SLIGP or SLIGP matching funds, but could be funded and completed using alternative funding secured by the State. The contract will be signed during Q2 2015 and reflected in that quarterly report.

8.)   The State of Colorado was granted a Special Temporary Authorization (STA) (from 1/17/15 – 2/17/15) to operate a Band Class 14 (BC-14) Demonstration Network during the 2015 FIS Alpine World Ski Championships in Vail and Beaver Creek, CO; the Championships ran from 2/2/15 – 2/15/15. The network included four of the sites used on the 29 sites Distributed Antenna System (or DAS) recently constructed by Crown Castle, Inc. in the Town of Vail. There was also a deployable Cell on Wheels (COW) at the base of Beaver Creek race site, networked back to the Event Command Post. General Dynamics C4 Systems provided all BC-14 Core and Radio Access Network equipment.

Sonim Technologies provided thirty-five ruggedized BC-14 smartphones; all equipped with the Drakontas DragonForce situational awareness and SLA ESChat Push-To-Talk applications. Five Wi-Fi hotspots (using BC-14 capable modems) were deployed in Vail and Beaver Creek allowing ~200 other responders, security and event staff access to BC14 on their agency issued or personally owned commercial devices. These devices allowed first responders to experience applications made available by a dedicated network such as situational awareness and field-based video, and to communicate non-mission critical information dynamically and without the impact of the commercial network congestion. Additionally, 5 fixed megapixel cameras used the demonstration network to compare speeds with those traversing commercial networks. OIT received technical assistance from DHS OEC to support assessment of the use of BC-14 devices and applications by responders (as compared to the commercial networks) during the Championships. The OEC document and an OIT report (a white paper to be shared with all states as a best practice for public/private partnerships and deployment of a BC14 demonstration network) will be shared with the Q2 2015 quarterly report.

On February 10, 2015, the SPOC and FNC Program Staff hosted FirstNet Acting/Deputy CTO and 2 other FirstNet state plans/engineering staff at the PSLDN in Beaver Creek and Vail. The FirstNet staff spent the day testing the technology, including using BC 14 devices, personal devices on BC14 hotspots, viewing infrastructure installations, cameras, and talking to responders about use of the network and devices.

On February 11, 2015, the SPOC and FNC Program Staff, with 100% donated support and resources from the previously mentioned vendors, Radio Resource Media Group and Colorado Mountain Express hosted ~55 local, state (Colorado and Nebraska), federal and private partner stakeholders for site visits to the Beaver Creek and Vail Village venues, and to an Open House event to speak with event first responders about the PSLDN. Feedback was overwhelmingly positive regarding the network and the augmented capabilities it provided.

To see FirstNet Colorado footage of the event, view at the following links:
Emergency Responder Ruggedized LTE Gear Test - https://www.youtube.com/watch?v=XabYBWF75cg
Public Safety Network Demo Teaser - https://www.youtube.com/watch?v=aLQSqcrwORA
Public Safety LTE Demo Network in Vail and Beaver Creek - https://www.youtube.com/watch?v=tmnypMmOtpw
General Dynamics "FirstNet Colorado's LTE Demo Network Connects Public Safety at Ski Championships" - https://www.youtube.com/watch?v=SQnlcT4nMKQ

9.)   On February 24 – 25, 2015, the FNC PS Broadband Program Manager participated in the NPSTC facilitated Priority Quality of Service (PQoS) Working Group with ~8 other local and state stakeholders from across the country in support of finalizing some of the PSAC PQoS powerpoint deliverables at the PSCR in Boulder, CO.

10.) On March 11, 2015, FirstNet Colorado hosted a DHS OEC lead "Basics of LTE Design Coverage" workshop in person and via webinar to 30 stakeholders across the state. The workshop can be viewed at: Part 1 - https://www.youtube.com/watch?v=BT3ozt6PUWI and Part 2: https://www.youtube.com/watch?v=BT3ozt6PUWI.

11b. If the project team anticipates requesting any changes to the approved Baseline Report in the next quarter, describe those below. Note that any substantive changes to the Baseline Report must be approved by the Department of Commerce before implementation.

In the last report, OIT and DHSEM indicated they would modify their SLIGP budget based on NTIA's SLIGP Monitoring visit on 10/23/14. Due to the release of Phase II monies during Q1 2015, OIT and DHSEM have opted to modify and submit a budget modification reflecting all changes to the current and expanded budget, and through the new performance period, which will end on 12/31/17 once modified by NTIA. This modification will be submitted by the NTIA due date of 6/23/15. DHSEM will also submit a match proportionality waiver request during the next quarter.

11c. Provide any other information that would be useful to NTIA as it assesses this project's progress.

N/A

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

Colorado believes the Public Safety LTE Demo Network held in February 2015 during the FIS Alpine World Ski Championships was a tremendous success. The final report(s) will be provided as an attachment to the Q2 2015 SLIGP quarterly report in July.

Although Colorado's original Coverage Modeling project was recently deemed partially unallowable under the modified SLIGP guidance, it still believes it is a leader amongst many of the states with regards to how it will be approaching the comprehensive data collection and coverage objectives work that must be completed by 7/31/15 for inclusion in the FirstNet RFP to be published later this year or early next year. Due to its foresight on completing this procurement last fall, Colorado will have adequate consulting support to ensure a comprehensive response to these data elements, which can only benefit Colorado's stakeholders and future State Plan. OIT will finalize this contract early in Q2 2015 and provide details in the next quarterly report.

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.

The current Grant Analyst from DHSEM will be leaving employment with the State in mid-January. A new Grant Analyst has been assigned to manage SLIGP. To allow a seamless handover, the transition has already begun on the project.

12b. Staffing Table

Job Title	FTE %	Project(s) Assigned	Change
Broadband Coordinator	0.5	Provide oversight of all SLIGP project activities	Title and level of effort will be changed following budget modification to reflect actual.
Outreach Coordinator	1.0	Provide support for SLIGP outreach activities	Title will be updated to reflect actual following the budget modification.
Grant Program Manager	0.2	Provide support for grant management and reporting requirements	None
Grant Analyst	0.2	Provide support for grant management and reporting requirements	None
Grant Accountant	0.2	Provide support for budget management and reporting requirements	None

Administrative Support			1.0	Provide administrative support for grant management, governance meetings, and outreach activities	This position will be removed with the budget modification.

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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	Project and % Assigned
TBD	Subcontracts: Technical Support- MOUs,Data Modeling	Vendor	Y	N	1Q15	TBD	$ 266,800	$ 66,700	N/A
TBD	Phase II Support	Vendor	N	N	TBD	TBD	$ 1,074,178	$ 268,544	N/A

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

N/A

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	$ 504,338	$ 126,085	$ 630,423	$ 219,608.84	$ 0.00	$ 219,608.84
b. Personnel Fringe Benefits	$ 126,085	$ 31,521	$ 157,606	$ 59,011.71	$ 0.00	$ 59,011.71
c. Travel	$ 304,064	$ 76,016	$ 380,080	$ 47,176.21	$ 0.00	$ 47,176.21
d. Equipment	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00
e. Materials/Supplies	$ 91,444	$ 22,861	$ 114,305	$ 15,938.44	$ 0.00	$ 15,938.44
f. Subcontracts Total	$ 266,800	$ 66,700	$ 333,500	$ 0.00	$ 0.00	$ 0.00
g. Other (not including Phase II funds)	$ 134,080	$ 33,520	$ 167,600	$ 204.06	$ 93,836.64	$ 94,040.70
Other – Phase II Funds	$ 1,074,178	$ 268,544	$ 1,342,722	$ 0.00	$ 0.00	$ 0.00
h. Total Costs	$ 2,500,989	$ 625,247	$ 3,126,236	$ 341,939.26	$ 93,836.64	$ 435,775.90
i. % of Total	80%	20%	100%	78%	22%	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.	
16a. Typed or printed name and title of Authorized Certifying Official Ezzie Michaels Grants & Contracts Manager	16c. Telephone (area code, number, and extension) 720-852-6607
	16d. Email Address ezzie.michaels@state.co.us
16b. Signature of Authorized Certifying Official *Ezzie Michaels*	16e. Date Report Submitted (month, day, year) 05/15/2015