SLIGP 2.0 Grant Closeout Report		**2. Award or Grant Number:**	15-10-S18015
		4. EIN:	99-6000896
1. Recipient Name	Hawaii State Department of Defense	**6. Report Date (MM/DD/YYYY)**	06/15/2021
3. Street Address	3949 Diamond Head Road	**7. Reporting Period End Date: (MM/DD/YYYY)**	03/31/2021
5. City, State, Zip Code	Honolulu, Hawaii 96816-4495	**8. Final Report** Yes ☑ No ☐	

9. Project/Grant Period				
9a. Start Date: (MM/DD/YYYY)	03/01/2018	**9b. End Date: (MM/DD/YYYY)**	03/31/2021	**10. Reserved for Reviewer**

11. Program Activities

11a. Identify the activities you performed during SLIGP2.0 grant period of performance

	Activity Type (Planning, Governance Meetings, etc.)	Was this Activity Performed during the grant period? (Yes/No)	Total Project Deliverable Quantity (Number)	Description of Activity Deliverable Quantity
1	Governance Meetings	YES	3	Cumulative number of governance, subcommittee, or working group meetings related to the NPSBN held during the grant period
2	Individuals Sent to Broadband Conferences	YES	2	Cumulative number of individuals sent to national or regional third-party conferences with a focus or training track related to the NPSBN using SLIGP 2.0 grant funds during the grant period
3	Convened Stakeholder Events	NO	0	Cumulative number of events coordinated or held using SLIGP 2.0 grant funds during the grant period, as requested by FirstNet.
4	Staff Hired (Full-Time Equivalent)(FTE)	YES	0.50	Cumulative number of state/territory personnel FTEs who began supporting SLIGP 2.0 activities during the grant period (may be a decimal).
5	Contracts Executed	YES	1	Cumulative number of contracts executed during the grant period.
6	Subrecipient Agreements Executed	NO	0	Cumulative number of agreements executed during the grant period.
7	Data Sharing Policies/Agreements Developed	YES		Yes or No if data sharing policies and/or agreements were developed during the grant period.
8	Further Identification of Potential Public Safety Users	YES		Yes or No if further identification of potential public safety users occurred during the grant period.
9	Plans for Emergency Communications Technology Transitions	YES		Yes or No if plans for future emergency communications technology transitions occurred during the grant period.
10	Identified and Planned to Transition PS Apps & Databases	NO		Yes or No if public safety applications or databases within the State or territory were identified and transition plans were developed during the grant period
11	Identify Ongoing Coverage Gaps	YES		Yes or No if participated in identifying ongoing coverage gaps using SLIGP 2.0 funds during the grant period.
12	Data Collection Activities	NO		Yes or No if participated in data collection activities as requested by FirstNet

11b. Please provide a description of each activity reported in response to Question 11; any challenges or obstacles encountered and mitigation strategies you employed; and any additional project milestones or information.

11.a1 - Governance Meetings

Three meeting were held during the performance period. The purpose of the meetings was to discuss the governance issues related to the operational aspects of using FirstNet as part of incident response. Attendees at these included various first responder agencies at the County, State and federal level.

11.a2 - Individuals Sent to Broadband Conferences

The SWIC attended two conferences during the performance period. These featured technical presentations by SMEs related to ongoing development of the FirstNet network and panel discussions by stakeholders regarding potential issues relating to such development.

11.a4 - Staff Hired (Full-Time Equivalent)(FTE)

During the period of performance there were no staff hired. However, Statewide Interoperable Coordinator contributes 0.50 of his time and effort towards SLIGP project responsibilities.

11.a5 - Contracts Executed

Only one contract was executed during the period of performance.

One contract was executed with SSFM International during the period of performance. The contractor provided logistical assistance in support of the various activities during the period of performance and administrative support needed in order to satisfy reporting requirements.

11.a7 - Data Sharing Policies/Agreements Developed

Data sharing policies among various public safety agencies were discussed and proposed frameworks for doing so were conceptualized. The next would be to test these frameworks using tabletop and functional exercises. If validated, then formal agreements would be developed and executed.

11.a8 - Further Identification of Potential Public Safety Users

Identification of potential public safety users and other entities that public safety agencies during incident occurred during the period of performance and continues to the present. Examples of this include localized/specialized responders such Federal law enforcement (FBI, NSA, CBP, Secret Service,), fire response (Federal fire units on military installations) and State and County support agencies (transportation, public works etc.)

11.a9 - Plans for Emergency Communications Technology Transitions

Discussions among stakeholders regarding the NPSBN included considerations of the impact new emergency communications technologies. Further review and testing of these technologies is needed in order to commence planning for incorporating such technologies. First responder agencies are considering or have commenced small pilot project in this regard as part of this process.

11.11 - Identify Ongoing Coverage Gaps FirstNet coverage data was gathered by police, fire and EMS personal on the islands of Kauai, Molokai, Maui, Lanai and the Big Island using Samsung Galaxy S9 mobile phones utilizing G-net Track Pro which was selected for its ability to monitor and log signal strength and other measurements across various mobile technologies as well its ability to easily automate the data collection process for end users. Logs from these devices were uploaded to a central location for review and processing and then displayed on Google Earth maps. Data for Hawaii Island was assembled in layers. Data for Kaua'i and Maui are presented using a hexbin instead of layering, which was considered easier to read. Signal level was recorded every fifty meters or five minutes if stationary. Also recorded was where signal was anticipated but was not reliable. The results of the data gathering were reviewed with both the data gathering agencies and the Hawaii AT&T RAN team to review the results and potential steps that could be taken to address issues related to any gaps or challenges.

11c. Did you perform activities during the last quarter of the grant that haven't been reported previously (i.e., new programmatic activities, staffing changes)? If so, please describe.

In January 2021, AT&T released new equipment which provides higher power transmission on Band 14 (HPUE/Mega Range). First Responder agencies submitted potential use cases where the new equipment could result in better coverage/performance in areas previously identified in the State Plan as being problematic. Several devices were obtained by our vendor and made available to the first responder agencies for confirmation. Collection and evaluation of the data is still ongoing.

11d. Please share any lessons learned or best practices that your organization implemented during your SLIGP 2.0 project.

Working directly with first responder agencies is time consuming. Having a good contractor to assist with coordination and follow up allowed us to implement project in multiple counties/islands.

12. Personnel

12a. Staffing Table - Please include all staff that contributed time to the project with utilization. Please only include government staff employed by the state/territory NOT contractors.

Job Title	FTE%	Project (s) Assigned
Statewide Interoperability Coordinator	50%	FirstNet POC; SWIC

13. Contractual (Contract and/or Subrecipients)

13a. Contractual Table – Include all contractors. The totals from this table should equal the "Contractual" in Question 14f.
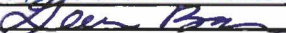
Name	Subcontract Purpose	Type (Contract/Subrec.)	RFP/RFQ Issued (Y/N)	Contract Executed (Y/N)	Start Date	End Date	Total Federal Funds Allocated	Total Matching Funds Allocated
SSFM International, Inc	Outreach/Education	Vendor	Yes	Yes	2/15/2018	6/30/2021	534,900.00	0
Total Funds Allocated to Contracts							$534,900.00	$0.00

14. Budget Worksheet

Columns 2, 3 and 4 must match your project budget for the entire award and your final SF 424A. Columns 5, 6, and 7 should list your final budget figures, cumulative through the last quarter

Project Budget Element (1)	Federal Funds Awarded (2)	Approved Matching Funds (3)	Total Budget (4)	Final Federal Funds Expended (5)	Final Approved Matching Funds Expended (6)	Final Total Funds Expended (7)
a. Personnel Salaries	$175,000.00	$175,000.00	$175,000.00		$106,551.00	$106,551.00
b. Personnel Fringe Benefits	$39,900.00		$39,900.00		$42,077.57	$42,077.57
c. Travel	$85,750.00		$85,750.00	$11,601.89	$0.00	$11,601.89
d. Equipment	$0.00		$0.00	$0.00	$0.00	$0.00
e. Materials/Supplies	$0.00		$0.00	$0.00	$0.00	$0.00
f. Contractual	$574,350.00		$574,350.00	$534,900.00	$0.00	$534,900.00
g. Other	$0.00		$0.00	$370.00	$0.00	$370.00
h. Indirect	$0.00		$0.00	$0.00	$0.00	$0.00
i. Total Costs	$875,000.00	$175,000.00	$1,050,000.00	$546,871.89	$148,628.57	$695,500.46
j. Proportionality Percent	83%	17%	100%	79%	21%	100%

15. Additional Questions: Read each statement below. Rate your level of agreement or disagreement with each statement and answer follow-up questions to provide additional information.

Statement	Agree/Disagree	Additional Questions	Response
15a. SLIGP 2.0 funds were helpful in planning for the integration with the NPSBN.	**5-Strongly Agree**	**What was most helpful? What challenges did you encounter?**	SLIGP 2.0 funding was critical in being able to verify NPSBN coverage gaps and challenges that had previously been reported in the State Plan. The major challenge was that the uses for the grant funds were extremely restricted and therefore we were limited on what could be done.
15b. I plan to continue any SLIGP 2.0 program activities beyond the SLIGP 2.0 period of performance.	**3-Neutral**	**What do you plan to accomplish after the period of performance?**	We would like to continue to collect/crowd source coverage data especially as new FirstNet sites come on line by the end of FOC, However, this will depend on whether funding can be obtained to facilitate these services and the availability of first responder personnel or others to provide data.
15c. SLIGP 2.0 funds were helpful in informing my stakeholders about FirstNet.	**5-Strongly Agree**	**What was most helpful? What challenges did you encounter?**	SLIGP 2.0 funds were extremely helpful in providing multiple instances and venues to provide stakeholders with the opportunity to learn about and ask questions about FirstNet from sources separate from the FirstNet Authority and AT&T. Again the main challenge was the restrictions on the use of the grant funds which limited what we could do with them.
Statement	Agree/Disagree	Additional Questions	Response
15d. SLIGP 2.0 funds were helpful in maintaining a governance structure for broadband in my state/territory.	**3-Neutral**	**What was most helpful? What challenges did you encounter?**	There are currently several governance structures for broadband already in place in Hawaii so SLIGP funds were not used directly for this purpose.
15e. SLIGP 2.0 funds provided resources that were helpful in preparing for FirstNet planning activities in my state/territory (e.g. staffing, attending broadband conferences, participating in training, procuring contract support etc.).	**5-Strongly Agree**	**What was most helpful? What challenges did you encounter?**	SLIGP 2.0 funds extremely helpful to provide outreach and education on FirstNet capabilities and the planning needed to utilize those capabilities. As mentioned before, the major challenge was that the uses for the grant funds were extremely restricted and therefore we were limited on what could be done.
15f. Overall, SLIGP 2.0 funds were helpful in preparing for FirstNet.	**5-Strongly Agree**	**What was most helpful? What challenges did you encounter?**	SLIGP 2.0 funds were critical to allow our office to partner with the various county first responder agencies to learn more about coverage issues and challenges on the ground in their areas. We would also not have been able to learn about the capabilities of the HPUE and how these might help to fill in some of the gaps that were observed during the first testing phase and/or described in the State Plan. As mentioned before, the major challenge was that the uses for the grant funds were extremely restricted and therefore we were limited on what could be done.

16. 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: KENNETH S. HARA MAJOR GENERAL, ADJUTANT GENERAL/DIRECTOR CIVIL DEFENSE/DIRECTOR OFFICE OF HOMELAND SECURITY *for*	16c. Telephone:	808-369-3570
16b. Signature of Authorized Certifying Official: *Glen Ba*	16d. Email Address:	glen.m.badua@hawaii.gov
	16e. Date:	6/16/2021

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