

SLIGP 2.0 Grant Closeout Report				2. Award or Grant Number:	66-10-S18066
				4. EIN:	98-0019847
1. Recipient Name	Guam Homeland Security/Office of Civil Defense			6. Report Date (MM/DD/YYYY)	7/9/21 (revised)
3. Street Address	221B Chalan Palasyo			7. Reporting Period End Date: (MM/DD/YYYY)	03/31/2021
5. City, State, Zip Code	Agana Heights, Guam 96910			8. Final Report	
				Yes <input checked="" type="checkbox"/>	
				No <input type="checkbox"/>	
9. Project/Grant Period				10. Reserved for Reviewer	
9a. Start Date: (MM/DD/YYYY)	03/01/2018	9b. End Date: (MM/DD/YYYY)	03/31/2021		
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	20	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	28	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	Yes	5	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	3.00	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	7	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	No		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	No		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.

11.1 - The governance body of Guam was called the Interoperable Communications Working Group (ICWG) and comprised of members from the various public safety agencies. The Executive Committee was represented by the Guam Homeland Security Advisor, Chief Technology Officer, Chief of Police and Chief of Fire. The governance body did not have a regular scheduled meeting time and date; they met when necessary to discuss matters that were related to interoperable communications. Therefore, sub-committee meetings and/or working group committees that focused on the Nationwide Public Safety Broadband Network were held throughout the grant period of performance with key players from the public safety community, FirstNet Authority and AT&T. **11.2** During the grant period of performance, SLIGP money sent personnel to conferences and trade shows that centered around FirstNet and/or broadband communications including APCO 2018 and 2019; IWCE 2018 and 2019; IWCE LTE Communications Expo in Chicago, Illinois in November 2018, and PSCR Stakeholders Meetings 2018 and 2019; SLIGP also sent an individual to attend the FirstNet Roadmap Engagement in Phoenix, AZ during the summer of 2019; SLIGP 2.0 money was also used to send an individual to the National Grants Management Association (NGMA) Annual Training in 2019 as well as the SLIGP Technical Assistance Workshop in March 2020; Individuals were also sent to Saipan, CNMI in January 2020 to attend a FirstNet Workshop. In March 2020 due to the COVID-19 pandemic, the Government of Guam prohibited any off island travel. However, personnel also attended the APCO Emerging Technology Forum 2020, IWCE Virtual 2020 and the PSCR Stakeholders Digital Experience 2020 through on-line participation. **11.3** During the grant performance period from 2018 - 2021, a total of 5 stakeholder events were organized and convened. The last stakeholder event was held on March 25, 2021 via on-line which provided an update to Guam's solution of the NPSBN. In total, there were over ## stakeholders in Guam's public safety community that attended in one or all the events during the SLIGP 2.0 performance period. **11.4** There were a total of three (3) staff that were hired during the course of the grant period from March 2018 - March 2021. The Program Manager, an Administrative Assistant and a Broadband Coordinator. **11.5** Contracts that were executed included a lease of a Xerox Copier; contractual agreements with local hotels for meeting space (to be used for meetings and/or stakeholder events); and printing companies for materials; The technical consultant services originally listed was removed after the Broadband Coordinator was hired to work on the responsibilities that were intended for a technical consultant. **11.8** Continued discussions with public safety and potential public safety users took place through meetings with various public agencies and invitation to stakeholder events. **11.11** In March 2020, the NPSBN on Guam was deployed. The coverage map for Guam was drastically changed with Band 14 not being deployed throughout the island as was outlined in the Guam State Plan. Conversations with AT&T and the FirstNet Authority took place to resolve the issue and to request for commitment to upgrade the LTE services for public safety when needed. An informal drive test took place in January 2021 in which information was provided to AT&T on dead spots and/or no service areas where public safety needs communications. Some improvements were made by AT&T as a result of these discussions a revised Guam Commitment Letter was delivered by AT&T in March 2021 with Guam's concurrence on the change of Band 14 deployment with the caveat that broadband coverage would be revisited should Guam's public safety provide information to AT&T on areas that lacked coverage. As a result from initial conversations in late 2020 and early 2021, a trial period took place from February 18 - March 18 which allowed the forty (40) cellular devices to be used during a trial period in order to test the services throughout the island. While the SLIGP activities will not continue after March 2021 because of the grant program ending, AT&T has agreed to provide a coverage update to Guam in September 2021 or as needed.

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.

As a result from the Update to Guam's Deployment of the NPSBN in September, two follow up meetings with the FirstNet Authority, AT&T and some members of the Governance Body took place during the course of January - March 2021 via online/virtual to discuss the change in the Band 14 coverage on the island. As a result, a two-day drive test was conducted by the Guam Fire Department, Guam Police Department and the SLIGP Program Manager with AT&T's local telecommunication partner - DoCoMo Pacific. The test consisted of utilizing four (4) of the FirstNet mobile devices at different parts of the island to test the LTE services, coverage and call clarity. The findings of the 2-day informal test drives were provided to AT&T which highlighted particular areas around the island where LTE coverage was lacking. Further discussion also resulted in AT&T allowing Guam's public safety to utilize the forty (40) mobile devices during a trial period from February 18 to March 19, 2021. Additional information on areas which did not have service was provided to AT&T. Additionally, on March 25, 2021, a virtual stakeholder webinar was held by the FirstNet Authority that provided an update to Guam's deployment of the NPSBN, coverage map and next steps. In January, the SLIGP Program Manager attended the FirstNet Hawaii State Update Webinar with no associated costs.

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

The discussions between Guam's public safety community with AT&T and FirstNet Authority were essential during the SLIGP 2.0 project and resulted in positive movements to improve LTE coverage. Additionally, AT&T also informed Guam that a coverage update would be given in September 2021 with possible quarterly or as-needed updates to Guam's coverage map and improvements to the NPSBN on island. The drive testing, even though it was an informal testing, helped the Guam Police Department and Guam Fire Department stress the areas where coverage was lacking. The assistance of DoCoMo Pacific (AT&T's local telecommunication company partner) was vital in assisting during incidents that needed communication assistance. The deployable asset that is on Guam was a valuable lesson for Guam's public safety, FirstNet Authority and AT&T to ensure timely deployment and set-up in future incidents. The ability to utilize the SLIGP budget to provide travel opportunities to trade shows and conferences was beneficial in allowing Guam's public safety to learn about the NPSBN, its capabilities and how it can be utilized for Guam. The planning activities and questions that arose from outreach events were essential in ensuring that the services provided by FirstNet AT&T would be available for Guam either in the present or worked on for future development.

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	\$277,162.00	\$0.00	\$277,162.00	\$290,587.49	\$0.00	\$290,587.49
b. Personnel Fringe Benefits	\$83,149.00	\$0.00	\$83,149.00	\$87,765.31	\$0.00	\$87,765.31
c. Travel	\$101,915.00	\$0.00	\$101,915.00	\$83,069.01	\$0.00	\$83,069.01
d. Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
e. Materials/Supplies	\$7,200.00	\$0.00	\$7,200.00	\$8,652.78	\$0.00	\$8,652.78
f. Contractual	\$20,000.00	\$0.00	\$20,000.00	\$14,292.51	\$0.00	\$14,292.51
g. Other	\$4,000.00	\$0.00	\$4,000.00	\$3,332.00	\$0.00	\$3,332.00
h. Indirect	\$41,574.00	\$0.00	\$41,574.00	\$19,296.06	\$0.00	\$19,296.06
i. Total Costs	\$535,000.00	\$0.00	\$535,000.00	\$506,995.16	\$0.00	\$506,995.16
j. Proportionality Percent	100%	0%	100%	100%	0%	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.	4-Agree	What was most helpful? What challenges did you encounter?	After the SLIGP 1.0 closed and outreach activities were completed, the Government of Guam did not have funds to plan for the deployment of the Nationwide Public Safety Broadband Network. Therefore the grant money from SLIGP 2.0 assisted in the planning activities for Guam's public safety community to prepare for the deployment of the NPSBN. The money was used for travel, FirstNet sponsored workshops and personnel costs. A challenge during the grant performance period was to establish a regular cadence of governance body meetings due to scheduling conflicts. However, this was overcome by holding sub-working group discussions and meetings in order to obtain information and get feedback. Another challenge was the COVID-10 pandemic which led to the lockdown of the island, which resulted in activities planned for the last year of the grant to be cancelled, postponed or held virtually.
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?	While there are no plans to continue the work initiated by the State and Local Implementation Grant Program, the one item that the Guam SLIGP office plans to accomplish after the SLIGP period of performance is to ensure that discussions between Guam's public safety agencies, FirstNet Authority, AT&T and their local telecommunication company partner, DoCoMo Pacific continues. The intent is to ensure that coverage for Guam and the FirstNet network stays on target to what AT&T and FirstNet promised the Government of Guam and the public safety community.

<p>15c. SLIGP 2.0 funds were helpful in informing my stakeholders about FirstNet.</p>	<p>4-Agree</p>	<p>What was most helpful? What challenges did you encounter?</p>	<p>The money helped provide venues to inform public safety stakeholders about the NPSBN as well as a forum to ask questions or get clarification on the deployment of the NPSBN for Guam. Additionally, it allowed local public safety personnel to engage with FirstNet Authority and AT&T representatives to forge relationships and networking opportunities after the end of the SLIGP funding.</p>
Statement	Agree/Disagree	Additional Questions	Response
<p>15d. SLIGP 2.0 funds were helpful in maintaining a governance structure for broadband in my state/territory.</p>	<p>2-Disagree</p>	<p>What was most helpful? What challenges did you encounter?</p>	<p>The governance body for the SLIGP was the Interoperable Communications Working Group which consisted of public safety heads of agencies, which made it sometimes challenging to have them set a regular cadence to their meetings. However, despite not having a regular meeting time, the leadership in Guam's public safety community were very supportive of the efforts that the State and Local Implementation Grant Program organized and executed during the period performance.</p>
<p>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.).</p>	<p>5-Strongly Agree</p>	<p>What was most helpful? What challenges did you encounter?</p>	<p>The funds were used for staff and attendance at broadband conference greatly assisted. Without them, the opportunities to plan and integrate would not have been possible. Additionally, the personnel that worked on the SLIGP activities would not have otherwise been funded or employed without the grant money.</p>

<p>15f. Overall, SLIGP 2.0 funds were helpful in preparing for FirstNet.</p>	<p>5-Strongly Agree</p>	<p>What was most helpful? What challenges did you encounter?</p>	<p>The grant was helpful in planning for the deployment of the Nationwide Public Safety for Guam. It allowed for opportunities to provide stakeholder events and planning activities. The grant also provided the funds, which would otherwise not be available, to send personnel off island to conferences and trade shows to educate public safety on broadband, FirstNet and options available for Guam. Challenges included convening governance body meetings specifically to request guidance on developing official Standard Operating Procedures and/or MOUs for data sharing agreements. Unfortunately with the COVID-19 pandemic in 2020, the activities and meetings were cancelled or not organized as in-person events. The government of Guam prohibited travel and conferences/trade shows were cancelled or held on-line in 2020-2021. Additionally, with the lockdown of the island, in-person meetings and workshops were not able to take place. Instead, they were held via on-line or cancelled. In the last three months of the grant performance period, some of the restrictions were lifted; activities such as drive testing, trial period and on-line webinar were organized and executed.</p>
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<p>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.</p>		
<p>16a. Typed or printed name and title of Authorized Certifying Official:</p> <p>Patrick Leon Guerrero, Acting Administrator, Guam Homeland Security/Office of Civil Defense</p>	<p>16c. Telephone:</p>	<p>671-475-9600</p>
<p>16b. Signature of Authorized Certifying Official:</p> 	<p>16d. Email Address:</p>	<p>michael.taijeron@ghs.guam.gov</p>
	<p>16e. Date:</p>	<p>7/9/2021</p>

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