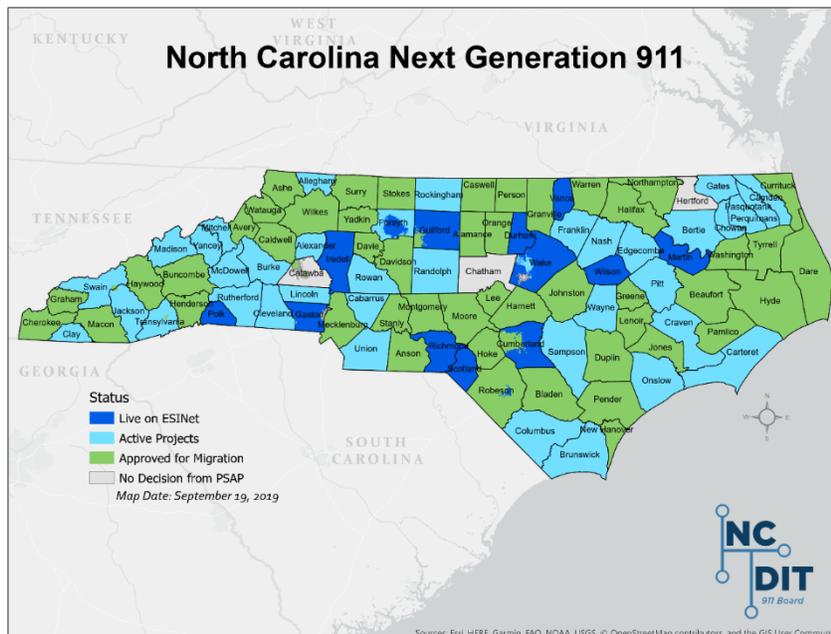




NORTH CAROLINA 911 BOARD MEETING
Friday, September 27, 2019
Chatham County
Agriculture and Conference Center
1192 Business US 64 West
Pittsboro, NC
10:00 AM – 12:00 PM



#NexGen911isNowGen911inNC

Call to Order (1 Minute)

Eric Boyette

Roll Call (2 Minutes)

Pokey Harris

Tab 1 (1 Minutes)

Chair's Opening Remarks

Eric Boyette

Tab 2 (1 Minutes)

Ethics Awareness/Conflict of Interest Statement

Eric Boyette

In accordance with G.S. 138A-15, It is the duty of every Board member to avoid both conflicts of interest and potential conflicts of interest. Does any Board member have any known conflict of interest or potential conflict of interest with respect to any matters coming before the Board today? If so, please identify the actual or potential conflict and refrain from any undue participation in the particular matter involved.

Tab 3 (2 Minutes)

Public Comment

Eric Boyette

The NC 911 Board welcomes comments from state and local government officials, first responders, finance directors, 911 directors, citizens and interested parties about any 911 issue(s) or concern(s). Your opinions are valued in terms of providing input to the NC 911 Board members. When addressing the Board, please state your name and organization for the record and speak clearly into the microphone.

Tab 4 (7 Minutes)

Board Member Status

4 a)

Swearing in of New Board Members

- Greg Coltrain**
- Stacey Gonyer**
- Earl Struble**

Pokey Harris

Tab 5 (2 Minutes)

Consent Agenda

Pokey Harris

(Consent Vote Required)

5 a)

**Minutes of Meeting – August 23, 2019 and
August 26, 2019**

5b – e)

b) NG 911 Fund

August 2019 Fund Balance \$61,964,846

August 2019 Disbursement **-\$ 687,516**

c) CMRS Fund

August 2019 Fund Balance \$ 4,821,981

August 2019 Disbursement **-\$ 500,809**

d) PSAP Fund

August 2019 Fund Balance \$ 1,221,267

August 2019 Disbursement **-\$ 4,353,457**

e) Grant Fund

August 2019 Fund Balance \$17,177,202

August 2019 Encumbered **-\$15,648,306**

North Carolina 911 Board Meeting
MINUTES
3514 Bush Street, Raleigh NC
Friday, August 23, 2019
10:00 AM – 12:30 PM

<u>Members Present</u>	<u>Staff Present</u>	<u>Guests</u>
David Bone, (NCACC) Martin County Manager	Richard Bradford, (DOJ) NC 911 Board Legal Counsel	Ron Adams, Southern Software
Bo Ferguson, (NCLM) City of Durham	Tina Gardner, DIT/NC 911 Board Staff	Drew Allvine, AT&T
Greg Foster, (NC Association of Rescue EMS) Alexander County Director of Communications	Pokey Harris, DIT/NC 911 Board Staff	Randy Beeman, DECC
Stacey Gonyer, (CMRS) Sprint [Non-Voting Member at Time of This Meeting]	Jesus Lopez, NC DIT/NC 911 Board PM	Maggie Bizzell, DIT
Chuck Greene, (LEC) AT&T	Gerry Means, NC DIT/NC 911 Board Staff	Thomas Brake, Medic 911
Jeff Ledford, (NCACP) City of Shelby PD <i>via phone</i>	Stanley Meeks, NC DIT/NC 911 Board Staff	Josh Briggs, AT&T
John Moore, (VoIP) Spectrum Communications	Don Rice, NC DIT/NC 911 Board Contract Staff	Nate Denny, DIT
Jude O'Sullivan, (CMRS) Carolina West <i>via phone</i>	Marsha Tapler, NC DIT/NC 911 Board Staff	Del Hall, Stokes County
Mike Reitz, (APCO) Chatham Co 911 <i>via phone</i>	Angie Turbeville, NC DIT/NC 911 Board Staff	Brooke Hazlett, Buncombe County 911
Jeff Shipp, (LEC) Star Telephone		Jeff Holshouser, Motorola
Amy Ward, (LEC) CenturyLink	<u>Staff Absent</u>	Daniel Little, Cornelius PD
Donna Wright, (NENA) Richmond Co Emergency Services	Ronnie Cashwell, NC DIT/NC 911 Board Staff	Joe Penner, Medic 911
		Brian Smith, AT&T
		Jon Studnick, Medic
<u>Members Absent</u>		Dave Sullivan, Motorola
Secretary Eric Boyette, (NC CIO) Board Chair		Bill Toth, Intrado
Greg Coltrain, (LEC) Wilkes Communication Sprint [Non-Voting Member at Time of This Meeting]		Corinne Walser, Medic 911
J.D. Hartman, (NC Sheriff's Association) Davie County		Jim Wright, CMPD
Buddy Martinette, (NCSFA) Fire Chief, Wilmington		
Earl Struble, (CMRS) Verizon Sprint [Non-Voting Member at Time of This Meeting]		
*Not all guests that called in identified themselves or could clearly be understood when announcing name, and thus were not included as attendees		

Call to order — Vice Chair Wright called the meeting to order at 10:00 AM and asked Ms. Harris to call the roll of attendees. Ms. Harris mentioned that Chairman Boyette was travelling to a Cabinet level function and would not be at the meeting. She also introduced Stacey Gonyer, a representative of CMRS who is replacing Heather Campbell on the Board.

1. Vice Chair's Opening Remarks — Vice Chair Wright welcomed everyone to the meeting and thanked them for taking the time to join.

2. Ethics Awareness/Conflict of Interest Statement — Vice Chair Wright read the Ethics Awareness/Conflict of Interest statement printed in the agenda.

3. Public Comment — Vice Chair Wright read the invitation to public comment printed in the agenda, but no one had pre-registered to speak and no one present or on the phone asked to.

4. Board Member Status — Ms. Harris welcomed new Board member Stacy Gonyer, and noted since she has not received her official appointment letter, she will not be voting on any of today's matters. Ms. Harris said new Board member Earl Struble has received his appointment letter, but he could not attend the meeting due to health issues. Another new Board member, Greg Coltrane, received his appointment letter but could not attend due to a death in the family. Ms. Harris asked everyone to keep Mr. Struble and Mr. Coltrane in their thoughts and prayers. She hopes to swear in all new Board members at next month's meeting.

5. Consent Agenda — Vice Chair Wright asked Ms. Harris to proceed with the consent agenda.

a) Minutes of Previous Meeting – July 26, 2019

b) NG 911 Fund

July 2019 Fund Balance

\$45,537,790

July 2019 Disbursement

-\$21,085

c) CMRS Fund

July 2019 Fund Balance

\$ 7,684,995

July 2019 Disbursement

\$137,613

d) PSAP Fund

July 2019 Fund Balance

\$21,909,367

July 2019 Disbursement

\$1,353,457

e) Grant Fund

July 2019 Fund Balance

\$23,038,414

July Grant Funds Encumbered

-\$20,335,650

f) Grant Project Updates per Reports

Mr. Ferguson put forward the motion to accept the consent agenda as presented, with the motion being seconded by Mr. Bone and passing unanimously.

6. Executive Director Report

a) NextGen 911 Migration Status – Live Status Map – Ms. Harris shared the live status map of PSAPs that have migrated to the ESInet, those in active status, those having committed to migration, and those with a decision remaining. As of this week there are 13 PSAPs live on the ESInet. There are 46 active projects, 60 approved for migration, and 8 undecided.

b) Cumberland County 911 ESInet Migration – On August 7, 2019, Cumberland County 911 successfully cutover to the NC911 managed service AT&T ESInet and hosted Viper call handling solution, taking the first live 911 call at 1232 hours EST. This is the first Century Link PSAP to migrate to AT&T ESInet in NC. This migration brought the total to 12 total agencies and 20 physical PSAPs live on AT&T ESInet.

c) Wilson County 911 ESInet Migration – Wilson County successfully cutover to the NC911 managed service AT&T ESInet and hosted Viper call handling solution on August 21, bringing the total to 13 agencies and 22 physical PSAPs live on AT&T ESInet.

d) Staffing Update – Ms. Harris said she is in the process of candidate selection for the Financial Review Specialist (FRS) position and hopes to make an offer very soon.

e) Federal 911 Grant Program Status – The National Highway Traffic Safety Administration (NHTSA) and National Telecommunications and Information Administration (NTIA) informed Ms. Harris that the state of North Carolina was awarded a one-time grant under the 911 Grant Program in the amount of \$3,941,384. The 911 Grant Program provides Federal funding to help 911 call centers nationwide

upgrade equipment and operations so that citizens, first responders and 911 call-takers can use digital, IP-based, broadband-enabled technologies to coordinate emergency services. Ms. Harris said the funds would be used for cyber-security (\$1,058,570), GIS services (\$381,166) and diverse routing (\$2,501,648). She thanked Richard Bradford, Marsha Tapler, and Gerry Means for their hard work on the Grant. She also thanked Josh Briggs with AT&T who provided required information.

f) Legislative Update – Mr. Bradford spoke about House Bill 217 which has been signed into law, SL2019-200, that includes all the Board’s approved priorities from last December. It incorporated House Bill 100, which covered training standards for emergency services, telecommunicators and law enforcement. The new law will require the by-laws for the Board to be revised and the creation/revision of standards and policies. Mr. Bradford then talked about Senate Bill 600. The Board had a called meeting to vote on substitute legislation for the Bill, which was later amended by the House without the Board’s selected language. It will go back to the Senate to be voted on. Mr. Bradford then read item 2 of Section 2.(a) of the Bill:

SECTION 2.(a) If House Bill 217, 2019 Regular Session, becomes law, G.S. 143B-1400(25a), as enacted by that act, reads as rewritten:

"(25a) Regional PSAP. – Any of the following:

(1) A primary PSAP operated by or on behalf of two or more counties and any number of municipalities, approved by the Board, for 911 call taking. Page 2 Senate Bill 600-Ratified

(2) A PSAP operated by any combination of a county or city and a major military installation, as defined in G.S. 143-215.115, if operated subject to an intergovernmental support agreement under 10 U.S. Code Section 2679."

Item (2) refers to Federal law that governs military installations and how they choose to contract with state or local governments for support services – services the state or local governments already do for themselves, i.e. animal control, waste management. Mr. Bradford said the law is broad enough to include PSAP-type operations and exchange of data that would facilitate the military bases making use of the Board’s ESInet technologies. The Board could ask to have the language changed before the next vote, but Mr. Bradford does not recommend this. He believes it will be at least a year before there is a use-case the military will promote for approval. His suggestion is to wait.

He also mentioned the FCC issued new rules relating to the implementation of Kari’s Law and RAY BAUM’S Act. The earliest implementation date would be February 16, 2020. This relates to the implementation of MLTS systems to give actual location of and contact to the caller directly.

DIT’s Legislative Liaison, Nate Denny, thanked Mr. Bradford for his thorough analysis of both bills. He also thanked Ms. Harris and the Board for their work on House Bill 217. He concurs with Mr. Bradford’s suggestion on Senate Bill 600.

7. Executive Committee Report — Vice Chair Wright stated that Mr. Bradford and Mr. Denny had covered most of the topics the Executive Committee had been involved with. She said they would soon be sharing with the Board a plan of action for the legislation. She said the Committee would redirect their efforts to update the Board by-laws and procedures.

8. Education Committee Report — Mr. Reitz reported the Committee had been waiting for the vote on HB 217. Now that it’s passed, they have lots of work and expect a packed agenda for next month’s meeting. Ms. Turbeville talked about the training survey sent out to PSAPs looking for their input into what types of training needs to be offered.

9. Funding Committee Report

a) Polk County 911 FY2019 Reconsideration – \$401,286.50 – Polk County has submitted a reconsideration request for \$401,286.50 to replace failing equipment, provide clean power to the hosted phone at their backup center and purchase MDIS to allow them to more efficiently get critical information to field units. Ms. Tapler explained how they had ended up with a negative fund balance and had budgeted for some capital expenditures. Staff recommended this reconsideration and a motion to approve was put forth by the Funding Committee, with the motion passing unanimously.

b) Iredell County Approved Seat Count Increase Request – Iredell County is requesting their Approved Seat Count be changed due to an increase in call handling. Based on Staff review the Funding Committee was recommended the seat count be changed from 7 to 8 and a motion to approve was put forth by the Funding Committee, with the motion passing unanimously.

c) Base Mobile Message Switch Server Software License Cap – Base Mobile Message Server Software License Cap – Mr. Bone noted the motion from the Funding Committee for the base mobile message server software license approve eligibility of 50%. Ms. Tapler discussed in 2014 the Funding Committee and the Board approved an MCT client license, which uses the base mobile message server software license. Since 2014 they have approved 50% for that piece. Last year one CAD vendor separated that cost from ineligible items on their quote. Staff wanted to clarify that it would be eligible for 50% across the board for all CAD vendors. A motion to approve was brought forward by the Funding Committee to approve the cap. Vice Chair Wright had questions as well as Mr. Reitz, who thought this may need to go to ad hoc committee for rewording. Ms. Tapler said PSAPs could appeal items deemed ineligible if desired. If a PSAP presents an attestation that they are not running on MDIS then the approval could be higher than 50%. Mr. Bone asked if any PSAP managers present could offer any insight. Randy Beeman, PSAP manager and Funding Committee member, said he felt it was a fair and equitable approach to the situation. Dell Hall, who was a Funding Committee member in 2014 and still serves on the Committee, said at the time they felt it was a reasonable percent and could be higher than what a PSAP may receive if considered separately. Vice Chair Wright reminded the Board there was a motion on the floor. The motion carried with Mr. Reitz and Mr. Foster voting nay.

d) Seat Count Overflow Policy – Mr. Bone deferred to Ad Hoc Committee Chair Chuck Green, who stated this item is a policy recommendation to the Board coming from the Funding Committee. He asked that the 30-day review period begin so the Board can consider the recommendation at the next meeting. Mr. Green presented the policy below.

Overflow Position Policy

G.S. 143B-1406 requires distributions to primary PSAPs on a monthly basis to fund eligible operations and expenses of such operations. PSAP staffing, and work duty assignments, are made by local governments. It is the policy of the 911 Board to provide funding to primary PSAPs for achieving call taking metrics established by applicable rules and standards. Primary PSAPs may, from time to time, need to increase the number of personnel assigned, the number of call-taking positions, or other changes impacting positions within the primary PSAP. Non call-taking duties shall not be considered when determining staffing or positions. It is the further policy of the 911 Board to enable necessary changes by allocating funds as permitted by law for such necessary position changes.

A “position” refers to the workstation and other associated workspace attributes.

An “overflow position” refers to An operational telecommunicator position located within the primary PSAP that: i) is not staffed during regularly scheduled work shifts, ii) is staffed only upon demand when events or call volumes require staffing in addition to regularly scheduled work shifts, iii) malfunction or inoperability of a position, and iv) an overflow position is fully functional within the PSAP operations.

It is the policy of the 911 Board that each primary PSAP may receive funding for one overflow position. A primary PSAP may request funding associated with additional overflow positions. Prioritization of factors identified shall be determined by the Funding Committee and identified Factors for consideration of such requests include:

- a. demonstration of staffing needs and the PSAP’s analysis of the staffing needs as shown by industry recognized methods (e.g. as published by APCO, NENA, etc.), see e.g. 9 NCAC 06C.0208.
- b. comparison of similar PSAPs’ staffing, operations, levels of service, see e.g. 9 NCAC 06C.0211(a)(5).
- c. only call taking duties shall be considered when determining positions, see e.g. 9 NCAC 06C.0208(c), 06C.0208(e).
- d. PSAPs must demonstrate that staffing changes are necessary to meet the call taking rule; e.g. 09 NCAC 06C.0209(a) requires answering 90% of calls within ten seconds or less.
- e. other factors consistent with G.S. 143B-1406, 911 Board rules, and applicable laws.

10. Finance Team Report — Ms. Tapler has met with 14 PSAPs to complete FY2018/2019 reports. She also worked with DIT Finance to close out the Board’s fiscal year. She assisted the Grant Committee with accounting information for the transfer of PSAP and CMRS funds to the grant fund, and worked with Ms. Harris in the search for a new Financial Review Specialist (FRS). She has several meetings planned with PSAPs in the next 30 days, including working on reconsideration requests.

11. Grant Committee Report

a) Grant Committee Transfer Recommendation – Mr. Shipp advised a motion was being brought forward by the Grant Committee to approve the transfer from the PSAP and CMRS Funds with the combined amount of \$26,677,269 to the Grant Fund. The motion passed unanimously. A motion was brought forward by the Grant Committee to transfer from the Grant Fund the amount of \$16,162,172 to the NG911 Fund. The motion passed unanimously.

b) General Report – Mr. Shipp said the Committee would address priorities for next grant cycle in December.

12. Standards Committee Report — Vice Chair Wright said the Committee had been waiting for the vote on HB 217. Now that it has been signed into law, they will be working on updating the rules. Committee member should be expecting information on future meetings.

13. Technology Committee Report – Mr. Shipp said the Committee is looking to implement plans. The first one is to create and lead an ESInet PSAP users' group which will be discussed in more detail later in the meeting. The second is working with AT&T and PSAP partners on expectations of the actual NextGen migration.

Mr. Briggs of AT&T gave a presentation showing the status of migrations thus far highlighting challenges and corrective actions taken. After the presentation Vice Chair Wright said she wanted to set a date within the next month for the first users' group meeting with the 13 PSAPs currently on ESInet to talk about their experiences and what they would like to share with the other PSAPs that will migrate later. Mr. Bone commented that the presentation provided by AT&T should be shared with PSAPs. Ms. Harris said she had received permission to share it and would send it out to all PSAP managers on the listserv.

Mr. Means reported two Tier 2 techs have been hired for the NMAC who start next week. They are on a 6-month contract-to-hire basis. They are working on a policy and procedures document that defines the roles of the NMAC, AT&T, and the PSAPs. AT&T project team members are going through that document and aligning it to their operational policies. From that, each PSAP will get an NMAC Operational Guide. Mr. Means said they were also working on cybersecurity and had met with Maria Thompson, State Chief Risk Officer, having very productive discussion. They worked on a plan on how they would approach PSAP assessments and put together a new SOW to put out to bid to new vendors on the new 918 contract. Now that there are grant funds, they can have a vendor put together a demographic of the cybersecurity footprint of all the PSAPs in the state which will show a rank order of vulnerability by PSAP. This will allow them to target the fusion center to help remediate issues found in the assessment. This will also allow them to have a singular approach to making sure everyone is at a given level and can help decide how they roll out PSAP migration.

Mr. Means thanked Vice Chair Wright and Randy Beeman for being the first PSAPs to go from RFAI to i3 and had many compliments for GeoComm and the resources they bring to the table. He noted the importance of PSAPs scheduled to migrate in 2020 being i3 ready so that nothing will negatively affect their transition. He encouraged all PSAPs to begin to upload their GIS data as soon as possible to align with their migration date.

14. 911 Regional Coordinator Reports — Due to time constraints, reports from Ms. Gardner and Ms. Turbeville were not provided.

15. Mecklenburg EMS Agency (Medic) Reconsideration Appeal — Mecklenburg EMS Agency (Medic) requested a reconsideration of the Board's decision to deny their request for reimbursement of Surcharge Eligible Expenses. John Studnick, Deputy Director of Operations at Mecklenburg EMS Agency, addressed the Board; with him was Executive Director Joe Penner and Communications Manager Corinne Walser. Also present, representing the Charlotte-Mecklenburg Police Department (the primary PSAP), was Captain Jim Wright. Mr. Studnick read sections of the appeal submitted to the 911 Board linked below.



Charlotte Medic
Appeal 2019.07.11.p

Mr. Bone made a motion to enter closed session for deliberation purposes. The motion was seconded and passed unanimously.

Ms. Harris did a roll call for the closed session.

Bone, David
Ferguson, Bo
Foster, Greg
Gonyer, Stacey
Greene, Chuck
Ledford, Jeff (*via phone*)
Moore, John (*via phone*)
O'Sullivan, Jude (*via phone*)
Reitz, Mike (*via phone*)
Shipp, Jeff
Ward, Amy
Wright, Donna

The matter of Mecklenburg EMS Agency (Medic) reconsideration appeal was discussed.

Ms. Harris did a roll call for returning to open session.

Bone, David
Ferguson, Bo
Foster, Greg
Gonyer, Stacey
Greene, Chuck
Ledford, Jeff (*did not return to phone call*)
Moore, John (*did not return to phone call*)
O'Sullivan, Jude (*via phone*)
Reitz, Mike (*via phone*)
Shipp, Jeff
Ward, Amy
Wright, Donna

Mr. Bone made the motion to return to open session of the public meeting of the Board, certifying that only the matter of the reconsideration for Mecklenburg EMS Agency (Medic) was discussed during the closed session. The motion was seconded by Chuck Greene and passed unanimously.

Mr. Bradford explained Board statutes as pertaining to secondary PSAPs and pointed out there is missing information – the interlocal agreement. If the appellant can produce the ILA the Board can reconsider the issue. Mr. Penner asked for clarification that the Board needed verification of an existing relationship with a written agreement prior to June 1, 2010. Mr. Bradford said that was correct. Mr. Penner then requested the Board to delay their decision for one month. Mr. Shipp made a motion to table the decision until the next Board meeting, with the motion being seconded by Mr. Bone and passing unanimously.

16. Other — No other matters came before the Board.

The next Board Meeting will be held on September 27 at Chatham County Agriculture and Conference Center in Pittsboro.

Adjourn — Vice Chair Wright adjourned the meeting at 12:39 PM.



**MINUTES
NORTH CAROLINA 911 BOARD MEETING
Monday, August 26, 2019
WebEx/Teleconference
(Special Called Closed Session)
4:00 PM – 5:00 PM**

Members Present via Teleconference

Bone, David
Boyette, Eric
Foster, Greg
Greene, Chuck
Hartman, J.D.
Martinette, Buddy
Moore, John
O'Sullivan, Jude
Shipp, Jeff
Ward, Amy
Wright, Donna

Staff Present via Teleconference

Bradford, Richard
Harris, Pokey
Gardner, Tina
Means, Gerry
Means, Gerry
Tapler, Marsha
Turbeville, Angie

Members Absent

Ferguson, Bo
Ledford, Jeff

I. Call to Order – Chariman Boyette called the meeting to order at 4:02 PM.

II. Roll Call – Ms. Harris conducted roll call, with participation denoted as per the above attendee list.

III. Call for Motion for Closed Session - Chairman Boyette called for a motion to enter closed session. Mr. Bone made the motion to close the public meeting pursuant to North Carolina General Statute §143-318.11(a)(1) for the purpose of receiving information that is not yet public pursuant to North Carolina General Statute §143B-1350 for the Board's discussion of Chatham County's eligible expenditures appeal, further noting that by roll call of each member present, they are affirming that no teleconference information related to this closed session has been shared with any individual not authorized to be part of this closed session, nor are they participating on this teleconference in the presence of any individual not authorized to be part of this closed session. Ms. Wright seconded the motion and it passed unanimously.

IV. Roll Call – Ms. Harris conducted roll call of the closed session, with participation denoted per the above attendee list.

V. Closed Session Discussion

VI. Return to Open Session

VII. Roll Call – Ms. Harris conducted roll call returning to open session, with participation denoted per the above attendee list.

VIII. Call for Motion for Return to Open Session – Chairman Boyette called for a motion to return to open session. Mr. Bone made the motion to return to open session of the public meeting of the Board, certifying that only the matter of Chatham County's eligible expenditures appeal was discussed during the closed session. Sheriff Hartman seconded the motion and it passed unanimously.

A motion was made by Sheriff Hartman to grant the appeal regarding the expenses incurred for Chatham County's A911 system in the amount of \$72,121.75. Ms. Foster seconded the motion and it carried.

IX. Adjournment at 4:39 PM.



NG 911 FUND

FY2019 beginning Fund Balance:	\$44,749,221.82			
	July 2019	August 2019	September 2019	October 2019
Revenue 10%	\$75,178.79	\$78,596.00		
Interest allocation	\$734,474.29	\$873,803.90		
Grant Fund Transfer-IN		\$16,162,172.00		
NG 911 Disbursement	-\$21,085.01	-\$687,515.79		
NG 911 Fund Balance	\$45,537,789.89	\$61,964,846.00		

CMRS FUND

FY2019 beginning Fund Balance:	\$7,170,087.41			
	July 2019	August 2019	September 2019	October 2019
CMRS Revenue 15%	\$640,474.96	\$624,531.55		
Interest allocation	\$12,045.76	\$13,263.93		
Grant Fund Transfer-OUT		-\$3,000,000.00		
CMRS Disbursement	-\$137,613.04	-\$500,809.07		
CMRS Fund Balance	\$7,684,995.09	\$4,821,981.50		

PSAP FUND

FY2019 beginning Fund Balance:	\$20,324,987.06			
	July 2019	August 2019	September 2019	October 2019
PSAP Revenue 85%	\$3,629,358.02	\$3,539,012.09		
Wireline Revenue	\$651,001.04	\$763,761.15		
VOIP Revenue	\$456,928.78	\$1,779,813.51		
Prepaid Wireless Revenue	\$1,166,402.91	\$1,078,474.33		
Interest allocation	\$34,146.02	\$37,814.50		
Subtotal	\$5,937,836.77	\$7,198,875.58	\$0.00	\$0.00
Grant Fund Transfer-OUT		-\$23,677,269.00		
PSAP Distribution	-\$4,353,456.68	-\$4,209,706.59		
PSAP Fund Balance	\$21,909,367.15	\$1,221,267.14		

**OSC Certified
Cash Basis**

PSAP Grant-Statewide 911 Projects Fund

		Total Disbursed				Remaining Expenditures Grant Balance
		YTD	Jul-19	Aug-19	Sep-19	
			\$23,414,561.43	\$23,038,414.95	\$32,825,508.31	
FY2016	Award Amount					
Graham County G2016-01 (039)	3,401,528.00	-2,619,530.85				781,997.15
FY2017	Award Amount					
Lincoln G2017-6 (047)	2,000,000.00	-671,150.72				1,328,849.28
Martin G2017-7 (048)	5,196,315.00	-3,621,771.07				1,574,543.93
Mitchell G2017-9 (049)	3,163,000.00	-2,480,935.37		-51,791.63		630,273.00
Pasquotank G2017-11 (051)	1,010,779.00	-856,567.83	-73,210.00			81,001.17
FY2018	Award Amount					
Franklin G2018B-4 (062)	1,204,482.00	-1,026,749.90				177,732.10
Iredell G2018B-3 (063)	2,361,230.00	-1,937,280.49				423,949.51
FY2019	Award Amount					
Pender G2019-02 (067)	361,760.00	0.00				361,760.00
Greene G2019-03 (069)	841,964.00	0.00				841,964.00
Wayne G2019-04 (070)	1,530,693.00	0.00				1,530,693.00
Rutherford G2019-05 (071)	1,161,548.00	0.00				1,161,548.00
STATEWIDE PROJECTS:	Award Amount					
E-CATS II (012)	1,458,380.00	-252,120.00	-252,120.00			954,140.00
Interpretive Services (042)	785,646.00	-487,106.06	-19,619.25	-19,140.75		259,779.94
Ortho Project III Image 19 (061)	3,273,555.00	-1,298,460.82	-49,355.40	-696,826.10		1,228,912.68
Ortho Project III Image 20 (073)	4,108,739.00	0.00				4,108,739.00
CRM Statewide One-time Development	250,000.00	-26,390.00	-21,178.34	-8.34		202,423.32
Approved Transfer from PSAP & CMRS Fund				26,677,269.00		
Transfer out to NG 911 Fund				-16,162,172.00		
Interest			39,336.51	39,763.18		
Total Ending Fund Balance		\$ 23,414,561.43	\$23,038,414.95	\$32,825,508.31	\$32,825,508.31	

Committed: **\$ 15,648,306.08**
 Grant Fund Total **\$17,177,202.23 ****

CASH BASIS REPORTING

OSC Certified

**Newly awarded grants have not be added to report. Waiting on signed contracts.

**Halifax rescinded acceptance of grant award.

5 f)

Grant Project Updates per Reports



Graham County Board of County Commissioners

*Dale Wiggins
Chairman*

*12 North Main Street
Robbinsville, NC 28771*

*Lynn Cody
Vice-Chairman*

*Keith Eller
Member*

*Phone: 828-479-7961
Fax: 828-479-7988*

*Jacob Nelms
Member*

*Connie Orr
Member*

*Rebecca E. Garland, MPA, CPA
County Manager*

*Kim Crisp
Clerk*

To: (Ms.) L.V. Pokey Harris, MPA, ENP
Executive Director
North Carolina 911 Board
NC Department of Information Technology

Dear Pokey,

On behalf of Graham County I would like to express our humble appreciation for the opportunity provided with the grant we received from the North Carolina 911 board. Without this grant our County could not have accomplished anything close to the facility that has been made possible by the grant. The County is very pleased and impressed with the 911 Center and its capabilities.

The 911 Board's enthusiasm and ability to motivate and empower has resulted in a significant increase in this project and in our abilities to be properly equipped for the future of 911. Our County appreciates your ongoing efforts and all the assistance you offer to us as a PSAP as well as a Region and State. We are very excited for the huge milestones that lie ahead with the statewide network, and we feel that your grant has put us in a great position to accommodate the future of 911.

Sincerely,

A handwritten signature in blue ink, appearing to read "Rebecca Garland".

Rebecca Garland
Graham County Manager

Graham County, North Carolina received a grant from the North Carolina 911 Board in 2015. Graham County welcomed this funding to enhance 911 operations which would include additional space and the ability to replace outdated technical systems in order to enhance emergency communications within the County. As well, Graham County was interested in pursuing advantages already being realized by the Swain and Jackson 911 Public Safety Answering Points (PSAP) who were utilizing technology to provide redundancies between systems at their Centers.

The following is the scope of the overall project and is a great summary of the activities that now provide a state-of-the-art, purpose-built 911 public safety answering point (PSAP):

To relocate the existing primary PSAP center in a single newly constructed 911 center located in Graham County and to enhance current equipment and software necessary for the 911 center operations. Further, the new 911 center will facilitate the existing regional PSAP initiative with Swain and Jackson counties. A newly constructed 911 Center will be situated on a tract of county-owned property as described in the Grant Application.

The project began with six goals or objectives. Each of those goals is detailed below with a summary of the project tasks that were completed to satisfy the need.

Goal #1

Construction of a new facility on property provided by Graham County which will house sufficient 911 system equipment and telecommunicators together with other necessary personnel for Graham County.

- Graham County selected a 1.48 acre plot of land on Fort Hill Lane which was geographically near the existing 911 facility but provided sufficient space for the new facility, tower, parking and other required features of the facility.
- The facility was designed to provide additional growth opportunities within the Operational areas, including expansion within the electrical, data and training rooms. The dispatch furniture initially provides one additional seat over the three seats that were available, while leaving calculated expansion room for several additional future positions should that be needed.
- During the design, forethought was used to provide additional room for growth within the structured cabling systems and data center cabinets to provide the needed expansion once NG911 became a reality. As the grant project finishes, the facility is well suited to move into the State's Hosted Call Handling and ESInet projects.

Goal #2

The facility is planned for approximately 7,507 square feet.

- During the grant application process and initial budget creation, the construction costs for the facility were estimated at \$250/square foot. As the grant was awarded and the competitive bidding was initiated, the team quickly determined the cost would be closer to \$350 square foot.
- Measures were taken to reduce the overall size of the building and to value engineer elements that were suited for the change in size. A facility of approximately 4,250 square feet emerged and was the basis for the facility that was built.
- Even though the overall size of the facility was reduced, there are no tangible operational impacts. The facility is well designed and offers many efficiencies that allow for a productive, state-of-the-art public safety answering point.

Goal #3

Ensure that the new facility and systems will meet the needs of the regional PSAP initiative with Swain and Jackson counties.

- Graham County examined the options available between Swain and Jackson counties and implemented similar features. Graham and Swain are able to share computer-aided dispatch systems, providing for a primary and backup system for each County. Graham County worked closely with Southern Software to assure a tight integration and solution that would align with Swain and Jackson counties' features.
- Additional radios were made available to better cover the wide geographic regions occupied by the three counties. Advantages and efficiencies of Statewide systems like the North Carolina Voice Interoperability Plan for Emergency Responders (VIPER) were realized during the design and utilized as the solutions were implemented.
- 911 and 10-digit telephone failover capabilities are in-place, however with the NG911 efforts of the State on the heels of this project, it was decided to hold off on any type of regional ESInet or shared call handling equipment in favor of using the Statewide system.

Goal #4

Acquire, install and successfully test 911 system equipment including but not limited to, a generator, telecommunications systems, radio consoles, furniture for telecommunicators and workstations, IP networking and radio tower.

- The project was successful in acquiring, installing and testing many new systems to help improve the emergency communications within the County. A summary of these systems follows:
 - Both a permanent generator and a portable generator hook-up were acquired, installed and tested in the project. Additionally the required automatic and manual transfer switching was tested as functional.
 - Zetron Max Calltaking telecommunications equipment was implemented during the project. This was a significant upgrade from the existing Call Handling Equipment (CHE).

- Russ Bassett was selected as the dispatch furniture utilizing their full raise and lower desktop capabilities to provide the ergonomics necessary for a 24x7 911 environment.
- Servers, workstations, monitors, IP networking, wireless access points and other required enterprise class technology was acquired and implemented throughout the project.
- An 80 foot radio tower was erected and provided the needed height and vertical space for the radio needs of the project. This included access to the Graham County radio sites, specific Swain and Jackson radio resources and the VIPER system. An over-the-air television antenna and GPS antenna were also placed on the tower for good external coverage.

Goal #5

Enhance facilities used for 911 communications and dispatch; increasing the number of telecommunicator workstations and additional space for anticipated growth. Ensure the facility, systems and personnel are prepared to implement NG 911 systems and functions.

- Graham County historically has utilized a storage area that was part of the EMS base. Their equipment rooms were retrofitted closets and certainly did not provide the needed electrical, cooling or space requirements for mission critical equipment. Through the design and construction of the new facility, a number of factors were considered, and the end result is a resilient, purpose-built emergency communications facility that meets the needs of the operation both today and well into the future.
 - As mentioned above, an initial build-out of four dispatch workstations was completed with calculated space for additional workstations should the future need arise.
 - Many areas / services are now available that were not in the previous location:
 - Full kitchen and break areas
 - Quiet rooms
 - Training room
 - Conference room
 - Offices for staff
 - Functional audio visual system integrated into training room
 - Protected entry with access control and security cameras
 - During the initial upfit of the facility, the State hosted solution was not yet an option. However, the project team did make provisions so that once that solution became reality, the operation could quickly be upfitted and the County further take advantage of the relationships already initiated with the Swain / Jackson regional partnership.

Goal #6

The new and enhanced 911 Center will answer and process all calls for service for the County, law enforcement agencies, fire/rescue squads, state agencies and federal agencies as identified in the Grant Application, as well as the unincorporated areas of the county. This includes calls for service for medical, fire, rescue, law enforcement, animal control, forestry and emergency management.

- Graham County currently receives, and processes calls for service for the County, State and Federal agencies listed in the table below:

EMS
Graham County EMS
Fire
Graham County Station 1 - Robbinsville
Graham County Station 2 - Snowbird
Graham County Station 3 - Santeetlah
Graham County Station 4 – Meadow Branch
Stecoah Fire
North Carolina Forestry Service
United States Forestry Service
Rescue Squad
Graham County Rescue Squad
Stecoah Rescue Squad
Law Enforcement
Graham County Sheriff's Office
Cherokee Tribal Police
North Carolina Wildlife
United States Forestry Service
Tennessee Valley Authority
Emergency Management
Graham County Emergency Management

Greene County, NC

911 Facility Relocation

MCP Project Number 18-128

Monthly Progress Report – August, 2019

Activity	This Period	Next Period
1. Design	<ul style="list-style-type: none"> Continued discussions on next steps. Decision to release another RFQ 	<ul style="list-style-type: none"> Release and receive RFQ's Evaluate and decide on a firm.
2. Permits	<ul style="list-style-type: none"> None in this period 	<ul style="list-style-type: none"> None expected in this period
3. Construction	<ul style="list-style-type: none"> None in this period 	<ul style="list-style-type: none"> None expected in this period
4. Communications Systems	<ul style="list-style-type: none"> None expected in this period 	<ul style="list-style-type: none"> None expected in this period
5. Other Activity	<ul style="list-style-type: none"> Held routine project status meetings with Mission Critical Partners 	<ul style="list-style-type: none"> Continue to participate in routine project planning and working meetings to facilitate the next steps of the project.



Iredell County PSAP Enhancement and Regional Backup Initiative

PSAP Grant Project

MCP Project Number 16-114

Monthly Progress Report – August, 2019

Activity	This Period	Next Period
1. Design	<ul style="list-style-type: none"> • No actions required 	<ul style="list-style-type: none"> • No actions expected
2. Permits	<ul style="list-style-type: none"> • No actions required 	<ul style="list-style-type: none"> • No actions expected
3. Construction	<ul style="list-style-type: none"> • No action required 	<ul style="list-style-type: none"> • No actions expected
4. Communications Systems	<ul style="list-style-type: none"> • Iredell County cutover to the new PSAP on July 17, 2019 • Continued biweekly meetings with AT&T - call handling • Continued installation/configuration of audio-visual system • Internal coordination meetings on punch list items 	<ul style="list-style-type: none"> • Continue biweekly meetings with AT&T on call handling / text to 911 feature • Finalize Audio-Visual system • Project close-out
5. Other Activity	<ul style="list-style-type: none"> • MCP continued biweekly project meetings with the client 	<ul style="list-style-type: none"> • MCP will continue biweekly project meetings with the client

Lincoln County PSAP, NC

PSAP Grant Project

MCP Project Number 17-125

Monthly Progress Report – August, 2019

Activity	This Period	Next Period
1. Design	<ul style="list-style-type: none"> No actions required 	<ul style="list-style-type: none"> No actions expected
2. Permits	<ul style="list-style-type: none"> No actions required 	<ul style="list-style-type: none"> No actions expected
3. Construction	<ul style="list-style-type: none"> Complete final cleaning Obtain certificate of occupancy Finish networking computer room air conditioning Sprinkler and fire protection inspections Fix the floor drain bolts Fix HVAC condensate Continued work on water leak at the back door 	<ul style="list-style-type: none"> Finalize punch list Issue keys and add some cores Add UPS monitoring to the building management system Participate in training on facility systems Finalize owner manuals, as-builts and warranty information
4. Communications Systems	<ul style="list-style-type: none"> Participate in AT&T project status calls Begin testing of AT&T equipment Finish installation of exterior telecommunications cabling Finalize dispatch furniture Continue radio console migration planning Finalize quotes for facility signal amplifier Continued technology planning and timeline meetings Install County servers / storage Install CAD workstations Receive hardware for the Central Square project Begin installation of radio equipment 	<ul style="list-style-type: none"> Continue to participate in biweekly AT&T project meetings Finalize CAD project Finish installation of recording system Finalize testing of technical systems Begin preparation for go-live / cutover Continue technology planning and timeline meetings

Activity	This Period	Next Period
5. Other Activity	<ul style="list-style-type: none"> • MCP held biweekly project meetings with the client • Lincoln County staff and MCP participated in monthly construction meeting 	<ul style="list-style-type: none"> • MCP will continue biweekly project meetings with the client • Lincoln County staff and MCP will participate in the monthly construction meeting

Martin County PSAP and Regional Backup Facility, NC

PSAP Consolidation Project – Phase II – Grant Project
 Monthly Progress Report – August 2019

MCP Project Number 16-184

Activity	This Period	Next Period
1. Design	<ul style="list-style-type: none"> No action required 	<ul style="list-style-type: none"> No action expected
2. Permits	<ul style="list-style-type: none"> No additional permits required 	<ul style="list-style-type: none"> No additional permits required
3. Construction	<ul style="list-style-type: none"> Obtained Certificate of Occupancy Created punch list for facility Site refreshed, pine straw Facility cleaned and touched-up Finished access control Finalized power needs for data center 	<ul style="list-style-type: none"> Complete punch list Prepare for facility cutover
4. Communications Systems	<ul style="list-style-type: none"> Continued biweekly meetings with AT&T on hosted call handling Finalized AT&T installation of CHE equipment Completed AT&T testing Installation of recording system Installation of audio visual system and displays Final procurement of technology needs Continued working with Bertie County technology needs Finalized dispatch furniture installation 	<ul style="list-style-type: none"> Continue biweekly coordination calls with AT&T Continue coordination with Bertie and Pasquotank on facility / technology needs Coordination with CAD vendor

Activity	This Period	Next Period
	<ul style="list-style-type: none"> • Finished installation of CAD workstations and monitors • Finished installation of networks, servers and storage environments • Installed and tested fiber circuits for backup and radio connectivity • Began installation of radio console system, control stations and antennas • Installation of security cameras 	
5. Other Activity	<ul style="list-style-type: none"> • MCP conducted periodic conference calls with the clients • Participated in on-site construction meeting 	<ul style="list-style-type: none"> • MCP will participate in project team meetings with the clients



Mitchell County, NC

PSAP Construction and Regional Backup
Monthly Progress Report – August 2019

MCP Project Number 16-173

Activity	This Period	Next Period
1. Design	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> No further activity
2. Permits	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> No further activity
3. Construction	<ul style="list-style-type: none"> Continued electrical work in data center Install additional conduits from tower to building Compiled punch list (contractor) 	<ul style="list-style-type: none"> Begin site grading rework Begin drainage remediation Install tower foundation Conduct site review(s) (ongoing) Maintain photographic progress
4. Communications Systems	<ul style="list-style-type: none"> Held technology review meeting Held calls with AT&T regarding hosted solution 	<ul style="list-style-type: none"> Procure tower Install workstation console furniture Install AT&T call handling equipment Run radio console cabling Install radio consoles Install additional cable trays in data center Install racks in data center Hold technology meetings
5. Other Activity	<ul style="list-style-type: none"> Continued to track grant spending Updated budget tracking spreadsheet Held status meeting 	<ul style="list-style-type: none"> Order office furniture Purchase ancillary items for facility Regular communications with project team, as needed Track grant budget (ongoing) Hold status meeting between County and MCP

Pasquotank County PSAP, NC

PSAP Consolidation Project

MCP Project Number 16-185

Monthly Progress Report – August, 2019

Activity	This Period	Next Period
1. Design	<ul style="list-style-type: none"> No action required 	<ul style="list-style-type: none"> No action expected
2. Permits	<ul style="list-style-type: none"> No action 	<ul style="list-style-type: none"> No action
3. Construction	<ul style="list-style-type: none"> Obtain Certificate of Occupancy Create punch list for facility Site refresh, pine straw Facility clean and touch-up Finish access control Finalize power needs for data center 	<ul style="list-style-type: none"> Complete punch list Prepare for facility cutover
4. Communications Systems	<ul style="list-style-type: none"> Continue biweekly meetings with AT&T on hosted call handling Continue coordination of data circuits for Martin Backup facility Continue discussions on migration of equipment to new backup site Review Martin Backup and establish list of needs Decide on DCI connectivity Begin installation of paging system 	<ul style="list-style-type: none"> Continue biweekly coordination calls with AT&T Continue to participate in equipment migration planning and documentation Finalize the installation of the local paging system Continue to evaluate needs at the Martin Backup facility
5. Other Activity	<ul style="list-style-type: none"> MCP conducted periodic project communications with the stakeholders 	<ul style="list-style-type: none"> MCP will conduct periodic communications with the stakeholders

Richmond County, North Carolina



Final Grant Report

In 2016, Richmond County was awarded a grant from the North Carolina 911 Board for the consolidation of the primary 9-1-1 center and three secondary centers within the county. The overall goal of the Richmond County Emergency Communications (RCEC) consolidation project was to improve emergency communications capabilities from, to and between the 9-1-1 center and first responders. The intent was to create efficiencies among all emergency services within the county and improve the delivery of emergency services to the citizens of and visitors to Richmond County.

The five goals of the project were as follows:

- Establish one countywide PSAP within Richmond County
- Ensure the new facility and systems continue to meet Scotland County's 9-1-1 backup needs
- Utilize properly trained, certified/credentialed telecommunicators
- Plan, implement and prepare for information in a Next Generation 9-1-1 (NG9-1-1) environment
- Achieve true interoperability, communications compatibility, and excellent emergency communications through access to a common radio system

Each goal has been met through the objectives established for this project.

Goal 1

The primary goal was to establish one countywide PSAP within Richmond County by combining all emergency 9-1-1 call taking, dispatching and public reporting systems in a central location.

Objective 1: *Build a new facility on county-owned land to house a consolidated agency.*

- ✚ Richmond County constructed a new +/- 9,000 square foot facility on land that was given to the County by the City of Rockingham. Construction began in May 2017, with substantial completion in May 2018. A dedication ceremony was held on June 6, 2018. Cutover to the new facility occurred on June 20, 2018.

Objective 2: *Eliminate 9-1-1 call transfers to law enforcement agencies by creating one 9-1-1 center within the county for all citizens to initiate the emergency response system.*

- ✚ The new facility houses the consolidated RCEC center, providing call answering and dispatch services for all first responder agencies in Richmond County. As each secondary law enforcement agency was consolidated, the need to transfer 9-1-1 calls to that specific agency ceased.

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Objective 3: Provide participating agencies and citizens with a single call answering and dispatch agency for coordinated dispatch and radio communication services for law enforcement, fire, EMS, rescue, forestry, Emergency Management, and animal control.

- ✚ The consolidated RCEC provides a single PSAP for Richmond County, establishing a single call answering point and coordinated dispatch services.

Goal 2

The second goal was to ensure that the new facility and systems continue to meet Scotland County's 9-1-1 backup needs.

Objective 1: Ensure the new facility provides adequate space that can accommodate Scotland County's personnel should their 9-1-1 center experience a failure.

- ✚ The new RCEC center provides ample space for Scotland County personnel when needed. The main operations room has nine full console workstation positions, including a raised supervisor position, with call answering, computer aided dispatch (CAD) and mapping, and radio capabilities. Directly off the operations room is a training room with three full console workstation positions, also with call answering, CAD, mapping, and radio capabilities. This training area will be dedicated to Scotland County should the need arise.

Objective 2: Ensure the newly established systems meet the Interlocal Agreement between Richmond and Scotland counties for backup capabilities, as well as those requirements of the NC 911 Board.

- ✚ The new systems continue to provide the backup capabilities to enable Richmond County to support Scotland County. Both agencies use Southern Software CAD and Scotland County's radio frequencies are programmed into Richmond County's radio consoles.

Goal 3

The third goal is to utilize properly trained, certified/credentialed telecommunicators who will use standardized call processing and dispatch techniques, while meeting operational goals and standards established by the NC 911 Board and applicable/adopted standards from the International Organization for Standardization (ISO), National Fire Protection Association (NFPA), the Association of Public-Safety Communications Officials-International (APCO), National Emergency Number Association (NENA), and the International Academies of Emergency Dispatch (IAED).

Objective 1: Provide the public and field responder agencies with trained, certified/credentialed 9-1-1 telecommunications professionals.

- ✚ RCEC telecommunicators are trained professionals, certified in emergency medical dispatch (EMD) and emergency fire dispatch (EFD).
- ✚ Richmond County afforded each telecommunicator working for the law enforcement agencies to complete an employment application for the County. In cooperation with the law enforcement agencies, each telecommunicator was guaranteed a position within the RCEC center, pending successful completion of training.

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- ✦ Beginning in July 2018, prior to consolidation, law enforcement agency telecommunicators attended EMD and EFD training. The telecommunicators from the law enforcement agencies were assigned to a RCEC telecommunicator for on-the-job training for fire and emergency medical services (EMS) dispatch.
- ✦ All telecommunicators in Richmond County are certified as Emergency Telecommunicators through IAED (or where grandfathered in through the Sheriff's Training and Justice Standards, if applicable), EMD, EFD, Division of Criminal Information (DCI)/National Crime Information Center (NCIC), and NCAWARE.

Objective 2: Implement standardized call processing by utilizing nationally recognized protocols.

- ✦ RCEC currently utilizes EMD and EFD protocols from IAED. The desire had been to implement emergency police dispatch (EPD) protocols; however, EPD was dropped from the project scope after reduced funding.
- ✦ RCEC established a law enforcement working group comprised of representatives from the Richmond County Sheriff's Office, Rockingham Police Department, and Hamlet Police Department. This working group developed standardized call answering questions for law enforcement calls for service.
- ✦ All telecommunicators were trained in law enforcement questioning.

Objective 3: Implement a quality assurance (QA) program in conjunction with the protocols to ensure all callers and responders receive the set standard of care, and to align with best practices.

- ✦ In alignment with national standards and IAED requirements for protocol usage, RCEC has a QA program and conducts weekly reviews.

Objective 4: Create a consolidated 9-1-1 center that continues to meet both technological and operational standards as set by the NC 911 Board.

- ✦ The new facility provides redundant circuitry, proper grounding, generator annunciation, as well as other equipment and technology warnings.
- ✦ Design and construction adhered to NC Board Rules, as applicable, presented in 09 NCAC 06C, Section .0200 Public Safety Answering Points (PSAPs).

Goal 4

The fourth goal is to plan, implement and prepare for using information in an NG9-1-1 environment.

Objective 1: Adopt Internet Protocol (IP)-based nationally recognized NENA and APCO standards for updating hardware and software that could be utilized for an NG9-1-1 system.

- ✦ RCEC adopted applicable NENA and APCO standards and is in the process of being the first PSAP to implement i3-based call routing through AT&T for NG9-1-1.
- ✦ The project updated backroom equipment in the server room, provided information technology (IT) infrastructure to support an NG9-1-1 system, put in a fiber link to the County's network infrastructure, and implemented an IP logging recorder interface.

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Objective 2: *Improve information sharing and prepare to utilize NG9-1-1 data by implementing mobile CAD in law enforcement vehicles.*

- ✦ In October 2018, RCEC issued a request for information (RFI) for wireless broadband data solutions.
- ✦ In November 2018, Richmond County published a request for proposal (RFP) for mobile data terminals.
- ✦ In June 2019, mobile data terminals were implemented in Richmond County law enforcement agencies. Both AT&T and Verizon are providing wireless broadband to the agencies.
- ✦ Fully implementation by end of July

Objective 3: *Improve information sharing by implementing the PS Aware application to field supervisors.*

- ✦ Law enforcement field supervisors have access to Southern Software's PS Aware application, allowing real-time access to incident information even when away from their vehicles.

Objective 4: *Meet the changing communications and information needs of all law enforcement, fire and rescue/EMS services by creating a communications system that is expandable to meet the changing needs of first responders.*

- ✦ RCEC continues to use Southern Software for its CAD system and implemented Zetron MAX radio consoles in the new facility. Both systems have room for expansion.

Objective 5: *Install an IP NG9-1-1 telephony network for delivery of voice and data.*

- ✦ On June 5, 2019, RCEC migrated to the State's Emergency Services Internet Protocol (IP) network (ESInet).

Goal 5

The fifth goal is to achieve true interoperability, communications compatibility, and excellent emergency communications among first responders of Richmond County, including the EOC during activations, through access to a common radio system.

Objective 1: *Improve communications capability to and among field responders through a common radio system.*

- ✦ RCEC implemented the Zetron MAX radio console system, supporting all first responders in the county.

Objective 2: *Achieve radio interoperability among all first responders by utilizing the State Voice Interoperability Plan for Emergency Responders (VIPER) radio system.*

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- ✚ This objective, which provided for portable radios for fire/rescue services, was dropped from the grant scope due to reduced funding.

Objective 3: *Improve mutual aid capability for field responders and resources from within and outside the county, if needed.*

- ✚ This objective, which relied on Objective 2 above, was dropped from the grant scope due to reduced funding.

The table below outlines the grant fund expenditures and the respective category of purchase. Respective invoices were provided with each grant reimbursement request. The grant was fully expended and no requests for reconsideration were necessary.

Vendor	Total	Category
Godfrey Construction	\$3,884,426.00	Construction Company
Radio Communications Company (RCC)	\$518,839.00	Radio Consoles, Combiners
Mission Critical Partners (MCP)	\$517,140.00	Consultant
ADW	\$294,602.67	Architect
Carolina Cat	\$156,100.00	Generator
Gov Direct	\$152,342.93	MDTs and CradlePoints
NWN	\$123,952.15	Network Infrastructure
Performance Cabling Technologies	\$121,626.13	Fiber to Site
Russ Bassett	\$108,229.78	Console Workstations and Chairs
Southern Software	\$106,186.00	CAD Software
Quick & Sinclair Electrical	\$62,137.00	Add-on Electrical
A3	\$52,121.25	Access Control / Security
Priority Dispatch	\$45,713.00	EFD/EMD
ECS	\$37,836.94	Third-party Testing
Dell	\$33,735.24	Computers

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Vendor	Total	Category
Rohn	\$27,763.20	Tower
PCM Corporate	\$22,989.24	Racks
Murphy Electric Supply	\$16,206.78	Network Infrastructure
McNeill Surveying	\$13,385.00	Surveying
Mobile Communications America	\$11,120.08	NetClock
CDW-G	\$8,626.59	Network Infrastructure
Quality Oil and Gas	\$6,849.68	Diesel Fuel
Hodges Lawn	\$6,080.00	Landscaping
Call One	\$5,988.00	Headsets
Cables Plus	\$5,432.22	Network Cabling
AI Phone	\$3,845.80	Gate Access
CSX	\$3,741.10	Permits for Fiber Run
B&H	\$2,831.40	Network Infrastructure
Kitchin, Neal, et al	\$1,674.00	Survey / United Title
Cable Organization	\$1,110.78	Network Infrastructure
Duke Energy	\$1,065.00	Network Infrastructure
Amazon	\$1,028.13	Wall Rack
Superior Cranes	\$977.00	Crane for Tower
DigiKey	\$714.40	Network Infrastructure
NC Association of County Commissioners	\$500.00	Endorsement
Alfred Williams	\$495.85	Furniture
Lowe's	\$64.67	Network Infrastructure

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Vendor	Total	Category
UPS	\$59.99	Mailings
TOTAL	\$6,357,537.00	

Rutherford 911

Monthly Progress Report

Current Activity

September 2019

Rutherford PSAP Relocation / Enhancement

- 911 Management and Rutherford County *Planning* to review and approve *final* drawings.
- Brady Trakas to provide cost estimate(s).
- Construction bidding process to commence.
- Maintain Budget Performance Reports

Next Month's Activity

October 2019

Rutherford PSAP Relocation / Enhancement

- Conclude bidding process.
- Interview contractors during this period.
- Select General Contractor.
- Maintain Budget Performance Reports

Wayne County, NC

911 New Facility

MCP Project Number 18-117

Monthly Progress Report – August 2019

Activity	This Period	Next Period
1. Design	<ul style="list-style-type: none"> Complete 	<ul style="list-style-type: none"> Complete
2. Permits	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> None expected
3. Construction	<ul style="list-style-type: none"> Erected facility construction signage Continued removing debris from site work Continued site work 	<ul style="list-style-type: none"> Hold meeting with electrical contractor on September 5 Continue construction site work
4. Communications Systems	<ul style="list-style-type: none"> Held meeting with Duplin County on August 14 regarding radio interoperability 	<ul style="list-style-type: none"> None expected
5. Other Activity	<ul style="list-style-type: none"> Held monthly call with project team 	<ul style="list-style-type: none"> Continue routine project planning Communicate with project team as needed (on-going) Hold monthly meeting for report data (on-going) Track grant budget

September 19, 2019

L.V. Pokey Harris
Executive Director
North Carolina 911 Board

This report summarizes the project status for the Southern Piedmont and Mountains Orthoimagery 2019 Project, funded by the NC 911 Board. The report summarizes project status for the period from July 1, 2019 – July 31, 2019.

Accomplishments

The accomplishments by the project team during the period include the following items organized by team member:

CGIA

- Performed outreach to PSAPs and GIS end-users in 21 counties to prepare for quality review period and to coordinate training webinar.
- Held VOICE training webinar attended by PSAP and GIS end-users to detail quality review online application, review workflow and schedule.
- VOICE Quality Review began on July 29 for the first group of 8 counties.
- Presented on project status at Statewide Mapping Advisory Committee on July 17.
- Other tasks include regular team meetings and ongoing outreach to federal, state and local partners.

NC Department of Transportation (NCDOT)

- Attended team strategy meetings and weekly status meetings.
- Attended VOICE training webinar.
- Coordinated NCDOT personnel performing quality review and trained as necessary.
- Began quality review on July 29 for the first group of 8 counties.
- Provided technical support for project planning.

NC Department of Public Safety: NC Geodetic Survey (NCGS)

- Attended team strategy meetings.

Acquisition Vendors

This section summarizes the accomplishments of the four prime acquisition vendors selected through the Qualifications-Based Selection (QBS) process. The selected vendors are Atlas Geographic Data, Sanborn Map Company, Spatial Data Consultants, and Surdex Corporation. The fully executed contracts were awarded on December 10, 2018. Each of the contracts consists of six primary tasks as follows:

- Task 1 – Flight Planning
- Task 2 – Imagery Acquisition
- Task 3 – Aerotriangulation and Ortho Generation
- Task 4 – Product Delivery and Data Acceptance
- Task 5 – Quality Review and Resolutions Reporting

- Task 6 – Closeout

For the July 2019 reporting period, the status of all tasks is listed below:

Task	Reported Percent Complete (as of latest invoice)			
	Atlas Geographic Data	Sanborn Map Company	Spatial Data Consultants	Surdex Corporation
Task 1: Flight Planning	100%	100%	100%	100%
Task 2: Acquisition	100%	100%	100%	100%
Task 3: Aerotriangulation and Ortho Generation	99%	88%	100%	100%
Task 4: Product Delivery and Data Acceptance	70%	35%	80%	60%
Task 5: Quality Review Resolutions	0%	0%	0%	0%
Task 6: Closeout	0%	0%	0%	0%

[Acquisition of imagery for 21 counties began on February 1st, 2019 and was completed on April 3rd, 2019.]

VOICE Application Contractor:

This section summarizes the accomplishments of Quantum Spatial, the sole-source contractor developing the VOICE QC Application. The fully executed contract was awarded on March 6, 2019. That agreement consists of six primary tasks as follows:

- Task 1: Requirements Workshop
- Task 2: System Design Document
- Task 3: Development
- Task 4: Beta Release Testing
- Task 5: Production Release
- Task 6: Hosting and Project Close

The following tasks were completed or underway through this reporting period:

- Task 1: Requirements Workshop
 - Workshop held on 3/21/19.
- Task 2: System Design Document
 - Design document revised and approved on 4/4/19.
- Task 3: Development
 - Initial application development was completed prior to beta testing period beginning in mid-May.
- Task 4: Beta Release Testing
 - Beta testing completed and all development priorities were approved.
- Task 5: Production Release
 - System is live on 7/29/19.
- Task 6: Hosting and Project Close
 - Image service hosting began on 7/29/19.

Schedule

The following represents the project's core deliverables milestones for plan and actual status:

Task	Item	Planned Start	Planned Finish	Actual Finish/Percent Complete
1	Project Initiation	7/1/2018	12/31/2018	12/31/2019
	Issue RFQ for Orthoimagery QBS	7/31/2018	7/31/2018	7/31/2018
	Closing date for RFQ responses	8/23/2018	8/23/2018	8/23/2018
	Contract NCGS and NCDOT	8/1/2018	8/1/2018	11/5/2018
	Host workshop for selected applicants	10/2/2018	10/2/2018	10/2/2018
	Technical and cost proposals due	10/16/2018	10/16/2018	10/16/2018
	Negotiate with selected applicants	10/31/2018	10/31/2018	10/31/2018
	Issue Purchase Orders	11/22/2018	11/22/2018	12/10/2018
	Conduct Kickoff Meeting	12/13/2018	12/13/2018	12/13/2018
	Contract QC Service Provider	1/1/2019	1/1/2019	3/7/2019
2	Planning and Design	10/15/2018	4/30/2019	3/28/2019
	CORS Upgrades	10/15/2018	3/1/2019	1/23/2019
	Validation Range	10/15/2018	1/15/2019	11/1/2018
	RTN Maintenance	10/15/2018	Ongoing	Ongoing
	Control Surveys and Attachment C-1: Control Surveys Report	4/2/2019	4/2/2019	3/28/2019
3A	Acquisition	1/20/2019	5/15/2019	5/13/2019
	Acquire Imagery for 21 Counties	1/20/2019	4/15/2019	4/2/2019
	Attachment D: Imagery Acquisition Compliance Report	2/1/2019	5/15/2019	5/13/2019
3B	Acquisition Post-Processing	2/1/2019	6/7/2019	6/7/2019
	Attachment E: GNSS-IMU Post Processing & Aerotriangulation Report	3/1/2019	5/27/2019	5/27/2019
	Ortho Generation Workshop	4/17/2019	4/17/2019	4/17/2019
	Study Area Web Map Service	6/7/2019	6/7/2019	6/7/2019
4	Quality Review Production and Product Delivery	7/29/2019	11/16/2019	
	QC Production Cycle	7/29/2019	11/16/2019	
5	Implementation	12/1/2019	2/28/2020	
	Product Delivery	12/1/2019	12/10/2019	
	Implement the NC OneMap Geospatial Portal solution	12/1/2019	Ongoing	
	60-day End-User Evaluation	12/1/2019	2/28/2020	
6	Project Closeout	1/1/2020	5/31/2020	
	Final Data Packaging and Final Reports	1/1/2020	5/31/2020	
	Project Closeout	5/1/2020	5/31/2020	

Budget

The expenditures for the project are summarized below. Note the current reporting period represents July 1, 2019 – July 31, 2019. The total budget for the project is \$3,273,555.

Item	This Reporting Period	Cumulative to Date	Percent Expended to Date
CGIA			
CGIA Labor**	\$11,382.00	\$92,442.00	22.5%
ITS Hosting and Information Technology	\$0.00	\$0.00	0.0%
CGIA Travel	\$0.00	\$130.17	2.0%
CGIA Reimbursable Expenses	\$0.00	\$186.00	2.7%
CGIA Total	\$11,382.00	\$92,758.17	19.9%
Subcontractors			
NCDPS-NCGS	\$0.00	\$141,936.38	70.5%
NCDOT	\$12,339.87	\$37,327.74	26.0%
Sanborn Map Company	\$278,405.10	\$535,239.50	84.9%
Atlas Geographic Data	\$84,244.10	\$408,555.10	70.8%
Surdex	\$139,294.97	\$317,327.81	75.5%
Spatial Data Consultants	\$161,042.10	\$501,379.60	80.5%
VOICE	\$21,500.00	\$21,500.00	24.8%
Subcontractor Total	\$696,826.14	\$1,963,266.13	73.2%
Total (for Project)	\$708,208.14	\$2,056,024.30	62.8%

**Received guidance from DIT-Finance that CGIA labor costs will continue to be receipts-based for the remainder of FY18-19. This month's CGIA labor expenditures cover the period of July 31, 2019.

Major Tasks Identified for August 2019

CGIA

- Continue outreach related to upcoming VOICE Quality Review of orthoimagery by end-users in all 21 counties.
- Perform Quality Review in VOICE for 21 counties in the project area.
- Coordinate VOICE account creation for end-users participating in online quality review.
- Monitor end-user quality review and resolve any issues that arise with application interface.
- Other tasks include regular team meetings and ongoing outreach to federal, state and local partners.

NCDOT

- Attend weekly project meetings.
- Perform Quality Review in VOICE for 21 counties in the project area.
- Continue technical support for project planning.

NCGS

- Attend project meetings.
- Perform CORS maintenance where necessary in the project area.

Project Issues

There are no financial or technical issues to prevent the team from completing the project on time and within budget.

Please contact me by phone at (919) 754-6588 or email at tim.johnson@nc.gov if you have questions about this report or about contractual or administrative aspects of the project. Contact Ben Shelton of CGIA at (919) 754-6377 or email at ben.shelton@nc.gov regarding technical matters related to the project.

Sincerely,

A handwritten signature in black ink that reads "Tim Johnson". The signature is written in a cursive style with a large, prominent "T" and "J".

Tim Johnson, GISP
Director
Center for Geographic Information and Analysis

ACCOUNTS PAYABLE

									696,826.14							
FUND	CENTER	ACCOUNT	PAY ENTITY	CTRL NO	PAYMENT DATE	CHECK NO	INVOICE NO	AMOUNT PAID	VENDOR NO	VENDOR GROUP	VENDOR NAME	INVOICE DATE	LINE ITEM DESCRIPTION	PO NUMBER	PO LINE NO	
7115	1082	532199	41PT	1973	7/29/2019	138740	AED-SPM19-806	91,304.50	203251160	01	ATLAS GEOGRAPHIC DATA INC	7/3/2019	PLANNING, ACQUISITIO	NC10483407	1	
7115	1082	532199	41PT	1973	7/29/2019	138740	AED-SPM19-806	17,290.00	203251160	01	ATLAS GEOGRAPHIC DATA INC	7/3/2019	ORTHO GENERATION, PR	NC10483407	2	
7115	1082	532199	41PT	1973	7/29/2019	138740	AGD-SPM19-805	5,745.60	203251160	01	ATLAS GEOGRAPHIC DATA INC	6/3/2019	PLANNING, ACQUISITIO	NC10483407	1	
7115	1082	532199	41PT	1973	7/29/2019	138740	AGD-SPM19-805	164,065.00	203251160	01	ATLAS GEOGRAPHIC DATA INC	6/3/2019	ORTHO GENERATION, PR	NC10483407	2	
7115	1082	532199	41PT	1973	7/29/2019	138751	90711945	9,989.02	566000967	Y	NC DEPT OF TRANSPORTATION	6/13/2019	IMAGE19 - FY18-19	NC10465392	1	
7115	1082	532199	41PT	1973	7/29/2019	138751	90715647	2,350.85	566000967	Y	NC DEPT OF TRANSPORTATION	7/18/2019	IMAGE19 - FY19-20	NC10465392	2	
7115	1082	532199	41PT	1968	7/25/2019	138710	34694-001	17,500.00	391133181	01	QUANTUM SPATIAL INCORPORATED	6/12/2019	FY18-19: PLANNING, D	NC10500749	1	
7115	1082	532199	41PT	1973	7/29/2019	138742	34694-002	4,000.00	391133181	01	QUANTUM SPATIAL INCORPORATED	7/9/2019	FY18-19: PLANNING, D	NC10500749	1	
7115	1082	532199	41PT	1973	7/29/2019	138749	SPM19-06	33,150.50	561963091	02	SPATIAL DATA CONSULTANTS	6/6/2019	PLANNING, ACQUISITIO	NC10483409	1	
7115	1082	532199	41PT	1973	7/29/2019	138749	SPM19-06	57,004.50	561963091	02	SPATIAL DATA CONSULTANTS	6/6/2019	ORTHO GENERATION, PR	NC10483409	2	
7115	1082	532199	41PT	1973	7/29/2019	138749	SPM19-07	33,150.50	561963091	02	SPATIAL DATA CONSULTANTS	7/1/2019	PLANNING, ACQUISITIO	NC10483409	1	
7115	1082	532199	41PT	1973	7/29/2019	138749	SPM19-07	37,736.60	561963091	02	SPATIAL DATA CONSULTANTS	7/1/2019	ORTHO GENERATION, PR	NC10483409	2	
7115	1082	532199	41PT	1973	7/29/2019	138743	4562	21,394.00	430690641	B	SURDEX CORPORATION	6/4/2019	PLANNING, ACQUISITIO	NC10483410	1	
7115	1082	532199	41PT	1973	7/29/2019	138743	4562	62,850.10	430690641	B	SURDEX CORPORATION	6/4/2019	ORTHO GENERATION, PR	NC10483410	2	
7115	1082	532199	41PT	1973	7/29/2019	138736	COS00006260	11,077.00	133980333	03	THE SANBORN MAP COMPANY INC.	6/5/2019	PLANNING, ACQUISITIO	NC10483408	1	
7115	1082	532199	41PT	1973	7/29/2019	138736	COS00006260	30,100.22	133980333	03	THE SANBORN MAP COMPANY INC.	6/5/2019	ORTHO GENERATION, PR	NC10483408	2	
7115	1082	532199	41PT	1973	7/29/2019	138736	COS00006338	1,395.45	133980333	03	THE SANBORN MAP COMPANY INC.	7/19/2019	PLANNING, ACQUISITIO	NC10483408	1	
7115	1082	532199	41PT	1973	7/29/2019	138736	COS00006338	96,722.30	133980333	03	THE SANBORN MAP COMPANY INC.	7/19/2019	ORTHO GENERATION, PR	NC10483408	2	

LABOR

DIT - CGIA
Staff Billing Report
Activity: July 2019

	Client	Date	Product/Service	Memo/Description	Rates	Duration	Billable	Amount
Ben Shelton								
	IMAGE19	07/01/2019	Services:55	Project Management	84.00	8	Yes	672.00
	IMAGE19	07/02/2019	Services:55	Project Management	84.00	5	Yes	420.00
	IMAGE19	07/03/2019	Services:55	Project Management	84.00	4	Yes	336.00
	IMAGE19	07/08/2019	Services:55	Project Management	84.00	8	Yes	672.00
	IMAGE19	07/09/2019	Services:55	Project Management	84.00	7	Yes	588.00
	IMAGE19	07/10/2019	Services:55	Project Management	84.00	6	Yes	504.00
	IMAGE19	07/10/2019	Services:40	Presentations/Demonstrations/Meetings	84.00	2	Yes	168.00
	IMAGE19	07/11/2019	Services:55	Project Management	84.00	6	Yes	504.00
	IMAGE19	07/12/2019	Services:55	Project Management	84.00	7	Yes	588.00
	IMAGE19	07/15/2019	Services:40	Presentations/Demonstrations/Meetings	84.00	2	Yes	168.00
	IMAGE19	07/15/2019	Services:55	Project Management	84.00	4	Yes	336.00
	IMAGE19	07/16/2019	Services:55	Project Management	84.00	5	Yes	420.00
	IMAGE19	07/16/2019	Services:40	Presentations/Demonstrations/Meetings	84.00	1	Yes	84.00
	IMAGE19	07/17/2019	Services:55	Project Management	84.00	6	Yes	504.00
	IMAGE19	07/17/2019	Services:40	Presentations/Demonstrations/Meetings	84.00	2	Yes	168.00
	IMAGE19	07/18/2019	Services:55	Project Management	84.00	4	Yes	336.00
	IMAGE19	07/19/2019	Services:55	Project Management	84.00	7	Yes	588.00
	IMAGE19	07/22/2019	Services:55	Project Management	84.00	7	Yes	588.00
	IMAGE19	07/23/2019	Services:55	Project Management	84.00	7.5	Yes	630.00
	IMAGE19	07/24/2019	Services:55	Project Management	84.00	3	Yes	252.00
	IMAGE19	07/25/2019	Services:55	Project Management	84.00	2	Yes	168.00
	IMAGE19	07/26/2019	Services:55	Project Management	84.00	3	Yes	252.00
	IMAGE19	07/29/2019	Services:55	Project Management	84.00	7	Yes	588.00
	IMAGE19	07/30/2019	Services:55	Project Management	84.00	7	Yes	588.00
	IMAGE19	07/31/2019	Services:55	Project Management	84.00	7	Yes	588.00
Total for Ben Shelton						127.5		\$ 10,710.00
Matthew McLamb								
	IMAGE19	07/12/2019	Services:15	Consulting	84.00	0.5	Yes	42.00
	IMAGE19	07/26/2019	Services:15	Consulting	84.00	0.5	Yes	42.00
Total for Matthew McLamb						1		\$ 84.00

Tim Johnson								
	IMAGE19	07/01/2019	Services:15	Consulting	84.00	1	Yes	84.00
	IMAGE19	07/10/2019	Services:15	Consulting	84.00	1	Yes	84.00
	IMAGE19	07/12/2019	Services:15	Consulting	84.00	1	Yes	84.00
	IMAGE19	07/18/2019	Services:15	Consulting	84.00	2	Yes	168.00
	IMAGE19	07/19/2019	Services:15	Consulting	84.00	1	Yes	84.00
	IMAGE19	07/26/2019	Services:15	Consulting	84.00	1	Yes	84.00
Total for Tim Johnson						7		\$ 588.00
TOTAL						135.5		\$ 11,382.00

APPROVED INVOICES



INVOICE

Bill To
Center for Geographic Information and Analysis Attn: Tim Johnson 3700 Wake Forest Rd. Raleigh, NC 27609

Order Information	
Invoice Number	AGD-SPM19-806
CGIA Contract Number	IMAGE19-04
Purchase Order Number	NC10483407
Invoice Amount	\$108,594.50
Invoice Date	July 03 2019
Performance Period	June 1 thru June 30, 2019

Remit To
Issuing Vendor Firm: Atlas Geographic Data, Inc. Issuing Vendor Fiscal Division: A Issuing Vendor Address: 215 Racine Drive, Suite 201, Wilmington, NC 28403

Contact Information
Issuing Vendor Administrator: Larry Kirkpatrick Issuing Vendor Email: lirkpatrick@atlasgeodata.com hlambert@atlasgeodata.com Issuing Vendor Phone: 910 256 9892 Issuing Vendor Fax: 910 256 9979

Invoice Summary (per Primary Task)		
Task	Item Description	Amount
3.	Aerotriangulation and Ortho generation	\$ 91,304.50
4.	Product Delivery and Data Acceptance	\$ 17,290.00
	Total	\$ 108,594.50

RECEIVED
By Ben Shelton at 9:13 am, Jul 10, 2019



INVOICE

Bill To
Center for Geographic Information and Analysis Attn: Tim Johnson 3700 Wake Forest Rd. Raleigh, NC 27609

Order Information	
Invoice Number	AGD-SPM19-805
CGIA Contract Number	IMAGE19-04
Purchase Order Number	NC10483407
Invoice Amount	\$169,810.60
Invoice Date	June 03 2019
Performance Period	May 1 thru May 31, 2019

Remit To
Issuing Vendor Firm: Atlas Geographic Data, Inc. Issuing Vendor Fiscal Division: A Issuing Vendor Address: 215 Racine Drive, Suite 201, Wilmington, NC 28403

Contact Information
Issuing Vendor Administrator: Larry Kirkpatrick Issuing Vendor Email: lkirkpatrick@atlasgeodata.com hlambert@atlasgeodata.com Issuing Vendor Phone: 910 256 9892 Issuing Vendor Fax: 910 256 9979

Invoice Summary (per Primary Task)		
Task	Item Description	Amount
1.	Flight Planning	\$ 1,881.00
2.	Acquisition	\$ 3,864.60
3.	Aerotriangulation and Ortho generation	\$ 164,065.00
	Total	\$ 169,810.60

RECEIVED
By Ben Shelton at 9:17 am, Jun 07, 2019



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

Invoice

Bill To:
ITS-CGIA
ATTN: TIM JOHNSON
PO Box 17209
RALEIGH NC 27609-7209

Order Information
Customer Number: 67549
Invoice Number: 90715647
Purchase Order #: 006224-001_7775_0001 **NC10465392**
Purchase Order Date: 08/24/2018
Sales Order Number: 642307
Payment Terms: Net due 30 days
Billing Date: 07/18/2019
Due Date: 08/17/2019

Remit To:
North Carolina Department of Transportation
Fiscal Section - Accounts Receivable Unit
1514 Mail Service Center
Raleigh, North Carolina 27699-1514

Contact Person: Stephanie Benson
Phone: (919)707-4208 Ext. 00
Fax: (919)715-8718
Internet: sbenson@ncdot.gov

Page 1 of 1

Invoice Details

Item	Description	Quantity	Unit Price	Amount
0010	NC State Agency Participation Reim. INTERAGENCY REIMBURSEMENT AGREEMENT EXECUTED ON 08/24/18 WITH NORTH CAROLINA DEPARTMENT OF INFORMATION TECHNOLOGY CENTER FOR GEOGRAPHIC INFORMATION AND ANALYSIS CONSISTING OF PROVIDING ORTHOIMAGERY ADVISORY AND TECHNICAL SERVICES FOR THE DIGITAL SOUTHERN PIEDMONT AND MOUNTAINS 2019 PROJECT IN 21 COUNTIES OF NORTH CAROLINA, TOTALING APPROXIMATELY 10,397 SQUARE MILES AND 11,595 ORTHOIMAGERY TILES (THE STUDY AREA). COSTS INCURRED FOR THE MONTH OF JUNE 2019 TOTAL \$2,350.85 PER ATTACHED E-MAIL AND DOCUMENTATION RECEIVED FROM RANDY DILLARD OF NCDOT'S PHOTOGRAMMERY UNIT.	1 EA	2,350.85	2,350.85
Total Amount Due				\$ 2,350.85

Please return the attached copy of this invoice to ensure proper credit for your payment. Remittances should be made payable to N.C. Department of Transportation.

RECEIVED
By Ben Shelton at 7:19 am, Jul 19, 2019



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

Invoice

Bill To:

ITS-CGIA
ATTN: TIM JOHNSON
PO Box 17209
RALEIGH NC 27609-7209

Order Information

Customer Number: 67549
Invoice Number: 90711945
Purchase Order #: 006224-001_7775_0001
Purchase Order Date: 08/24/2018
Sales Order Number: 638841
Payment Terms: Net due 30 days
Billing Date: 06/13/2019
Due Date: 07/13/2019

NC10465392

Remit To:

North Carolina Department of Transportation
Fiscal Section - Accounts Receivable Unit
1514 Mail Service Center
Raleigh, North Carolina 27699-1514

Contact Person: Stephanie Benson
Phone: (919)707-4208 Ext. 00
Fax: (919)715-8718
Internet: sbenson@ncdot.gov

Page 1 of 1

Invoice Details

Item	Description	Quantity	Unit Price	Amount
0010	NC State Agency Participation Reim. INTERAGENCY REIMBURSEMENT AGREEMENT EXECUTED ON 08/24/18 WITH NORTH CAROLINA DEPARTMENT OF INFORMATION TECHNOLOGY CENTER FOR GEOGRAPHIC INFORMATION AND ANALYSIS CONSISTING OF PROVIDING ORTHOIMAGERY ADVISORY AND TECHNICAL SERVICES FOR THE DIGITAL SOUTHERN PIEDMONT AND MOUNTAINS 2019 PROJECT IN 21 COUNTIES OF NORTH CAROLINA, TOTALING APPROXIMATELY 10,397 SQUARE MILES AND 11,595 ORTHOIMAGERY TILES (THE STUDY AREA). COSTS INCURRED FOR THE MONTH OF MAY 2019 TOTAL \$9,989.02 PER ATTACHED E-MAIL AND DOCUMENTATION RECEIVED FROM RANDY DILLARD OF NCDOT'S PHOTOGRAMMERY UNIT.	1 EA	9,989.02	9,989.02
Total Amount Due				\$ 9,989.02

Please return the attached copy of this invoice to ensure proper credit for your payment. Remittances should be made payable to N.C. Department of Transportation.

RECEIVED

By Ben Shelton at 8:07 am, Jun 14, 2019



INVOICE

Bill To		
41PT		
ITS ACCOUNTS	PAYABLE	
POBOX17209		
Raleigh, NC	27619-7209	
UnitedStates		
Phone: 919-754-6314		

Order Information	
Invoice Number	34694-001
CGIA Contract Number	IMAGE19-07
Purchase Order Number	NC10500749
Invoice Amount	\$17,500
Invoice Date	June 12, 2019
Performance Period	03-01-19 to 05-31-19

Remit To
Updated Remittance info with Jason Pollard

Contact Information
Chris Holder cholder@quantumspatial.com Vendor Phone: (859) 277-8700 Vendor Fax: 859-277-8701

Invoice Summary (per Primary Task)		
Task	Item Description	Amount
1	Requirement Workshop	\$2,500.00
2	System Design Document	\$3,000.00
3	Development	\$8,000.00
4-5	Beta Testing and Production System	\$4,000.00
	TOTAL	\$17,500.00

RECEIVED
By Ben Shelton at 11:00 am, Jun 12, 2019



INVOICE

Bill To		
41PT		
ITS ACCOUNTS	PAYABLE	
POBOX17209		
Raleigh, NC	27619-7209	
UnitedStates		
Phone: 919-754-6314		

Order Information	
Invoice Number	34694-002
CGIA Contract Number	IMAGE19-07
Purchase Order Number	NC10500749
Invoice Amount	\$4,000
Invoice Date	July 9, 2019
Performance Period	06-01-19 to 06-30-19

Remit To
Updated Remittance info with Jason Pollard

Contact Information
Chris Holder cholder@quantumspatial.com Vendor Phone: (859) 277-8700 Vendor Fax: 859-277-8701

Invoice Summary (per Primary Task)		
Task	Item Description	Amount
4-5	Beta Testing and Production System	\$4,000.00
	TOTAL	\$4,000.00

RECEIVED
By Ben Shelton at 8:16 am, Jul 10, 2019



1008 Hutton Lane, Suite 109
 High Point, NC 27262
 Phone: (336) 841-1247
 Fax: (336) 841-1248
www.spatialdc.com

INVOICE

Bill To
Center for Geographic Information and Analysis Attn: Tim Johnson, GISP 3700 Wake Forest Rd. Raleigh, NC 27609

Remit To
Spatial Data Consultants, Inc. 1008 Hutton Lane, Suite 109 High Point, NC 27262

Order Information	
Invoice Number	SPM19-06
CGIA Contract Number	IMAGE19-06
Purchase Order Number	NC10483409
Invoice Amount	\$90,155.00
Invoice Date	06/06/19
Performance Period	05/01/19 through 05/31/19

Contact Information
Susan L. Schall, President, CEO sschall@spatialdc.com (336) 841-1247 (office) (336) 906-3261 (cell) (336) 841-1248 (fax)

Invoice Summary (per Primary Task)		
Task	Item Description	Amount
3	Aerotriangulation and Ortho Generation	\$90,155.00
	Invoice Total	\$90,155.00

RECEIVED
 By Ben Shelton at 9:17 am, Jun 07, 2019



1008 Hutton Lane, Suite 109
 High Point, NC 27262
 Phone: (336) 841-1247
 Fax: (336) 841-1248
www.spatialdc.com

INVOICE

Bill To
Center for Geographic Information and Analysis Attn: Tim Johnson, GISP 3700 Wake Forest Rd. Raleigh, NC 27609

Remit To
Spatial Data Consultants, Inc. 1008 Hutton Lane, Suite 109 High Point, NC 27262

Order Information	
Invoice Number	SPM19-07
CGIA Contract Number	IMAGE19-07
Purchase Order Number	NC10483409
Invoice Amount	\$70,887.10
Invoice Date	07/01/19
Performance Period	06/01/19 through 06/30/19

Contact Information
Susan L. Schall, President, CEO sschall@spatialdc.com (336) 841-1247 (office) (336) 906-3261 (cell) (336) 841-1248 (fax)

Invoice Summary (per Primary Task)		
Task	Item Description	Amount
3	Aerotriangulation and Ortho Generation	\$33,884.60
4	Aerotriangulation and Ortho Generation	\$37,002.50
	Invoice Total	\$70,887.10

RECEIVED
 By Ben Shelton at 9:14 am, Jul 10, 2019



INVOICE

Bill To

Center for Geographic
Information and Analysis
Attn: Tim Johnson
3700 Wake Forest Rd.
Raleigh, NC 27609

Order Information

Invoice Number	4562
CGIA Contract Number	IMAGE19
Purchase Order Number	NC10483410
Invoice Amount	\$84,244.10
Invoice Date	June 4, 2019
Performance Period	May 1, 2019 – May 31, 2019

Remit To

Surdex Corporation
Accounts Receivable
520 Spirit of St. Louis Blvd.
Chesterfield, MO 63005

Contact Information

Harold Feldman
Haroldf@surdex.com
636-368-4400
636-368-4401

Invoice Summary (per Primary Task)

Task	Item Description	Amount
2	Flight Aquisition	21,394.00
3	Aerotriangulation and Ortho Generation	62,850.10
	Total	\$84,244.10

RECEIVED

By Ben Shelton at 8:14 am, Jul 18, 2019



Sanborn | Charlotte
 6701 Carmel Road
 Suite 301
 Charlotte, NC 28226

Phone: 704.347.4552
 Toll-Free: 1.866.726.2676
 Fax: 704.347.4515
 www.sanborn.com

INVOICE

Bill To
41PT ITS ACCOUNTS PAYABLE PO BOX 17209 Raleigh, NC 27619-7209 United States Phone: 1919-754-6314 Department of Information Technology

Order Information	
Invoice Number	COS00006260
CGIA Contract Number	IMAGE19-05
Purchase Order Number	NC10483408
Invoice Amount	\$41,177.22
Invoice Date	June 5, 2019
Performance Period	May 1, 2019 through May 31, 2019

Remit To
Sanborn Map Company, Inc. Accounts Receivable 1935 Jamboree Dr., Ste 100 Colorado Springs, CO 80920

Contact Information
Maralyn Kuentler mkuentler@sanborn.com Phone: (719) 264.5564 Fax: (719) 623.0074

Invoice Summary (per Primary Task)		
Task	Item Description	Amount
2	Acquisition	\$11,077.00
3	Aerotriangulation and Ortho Generation	\$30,100.22
	Total	\$41,177.22

RECEIVED
 By Ben Shelton at 9:17 am, Jun 07, 2019



Sanborn | Charlotte
 6701 Carmel Road
 Suite 301
 Charlotte, NC 28226

Phone: 704.347.4552
 Toll-Free: 1.866.726.2676
 Fax: 704.347.4515
 www.sanborn.com

INVOICE

Bill To
41PT ITS ACCOUNTS PAYABLE PO BOX 17209 Raleigh, NC 27619-7209 United States Phone: 1919-754-6314 Department of Information Technology

Order Information	
Invoice Number	COS00006338
CGIA Contract Number	IMAGE19-05
Purchase Order Number	NC10483408
Invoice Amount	\$98,117.75
Invoice Date	July 19, 2019
Performance Period	June 1, 2019 through June 30, 2019

Remit To
Sanborn Map Company, Inc. Accounts Receivable 1935 Jamboree Dr., Ste 100 Colorado Springs, CO 80920

Contact Information
Maralyn Kuenstler mkuenstler@sanborn.com Phone: (719) 264.5564 Fax: (719) 623.0074

Invoice Summary (per Primary Task)		
Task	Item Description	Amount
3	Aerotriangulation and Ortho Generation	\$91,663.93
4	Level 1 Review and Initial GeoTIFF Submission	\$6,453.82
	Total	\$98,117.75

RECEIVED
 By Ben Shelton at 2:14 pm, Jul 19, 2019

September 20, 2019

L.V. Pokey Harris
Executive Director
North Carolina 911 Board

This report summarizes the project status for the Southern Piedmont and Mountains Orthoimagery 2019 Project, funded by the NC 911 Board. The report summarizes project status for the period from August 1, 2019 – August 31, 2019.

Accomplishments

The accomplishments by the project team during the period include the following items organized by team member:

CGIA

- Performed outreach to PSAPs and GIS end-users in 21 counties to coordinate quality review process and to resolve any issues users had in accessing the system.
- Coordinated account creation for VOICE Quality Review system for PSAPs and county end-users in 21 counties of project area.
- VOICE Quality Review began on August 12 for the second group of 8 counties and on August 26 for the last group of 5 counties. The first group of 8 counties completed their review on August 23.
- Screened calls from the first group of 8 counties after their review ended and passed along issues that were valid to the contractors for correcting the images.
- Documented all submitted issues from the first group of 8 counties by scripting process that captured screenshots of all issues and how they were addressed.
- Purchased hard drives to be used for final deliveries to all PSAPs in the project area.
- Other tasks include regular team meetings and ongoing outreach to federal, state and local partners.

NC Department of Transportation (NCDOT)

- Attended team strategy meetings and weekly status meetings.
- Coordinated NCDOT personnel performing quality review and trained as necessary.
- Began quality review on July 29 for the first group of 8 counties.
- Performed quality review for imagery in all counties as they came online in the VOICE interface.
- Provided technical support for project planning.

NC Department of Public Safety: NC Geodetic Survey (NCGS)

- Began assessing survey control to be used for horizontal quality control to determine whether some control points need to be recollected due to obstructions in the imagery showing in VOICE.
- Attended team strategy meetings.

Acquisition Vendors

This section summarizes the accomplishments of the four prime acquisition vendors selected through the Qualifications-Based Selection (QBS) process. The selected vendors are Atlas Geographic Data, Sanborn Map Company, Spatial Data Consultants, and Surdex Corporation.

The fully executed contracts were awarded on December 10, 2018. Each of the contracts consists of six primary tasks as follows:

- Task 1 – Flight Planning
- Task 2 – Imagery Acquisition
- Task 3 – Aerotriangulation and Ortho Generation
- Task 4 – Product Delivery and Data Acceptance
- Task 5 – Quality Review and Resolutions Reporting
- Task 6 – Closeout

For the August 2019 reporting period, the status of all tasks is listed below:

Task	Reported Percent Complete (as of latest invoice)			
	Atlas Geographic Data	Sanborn Map Company	Spatial Data Consultants	Surdex Corporation
Task 1: Flight Planning	100%	100%	100%	100%
Task 2: Acquisition	100%	100%	100%	100%
Task 3: Aerotriangulation and Ortho Generation	99%	88%	100%	100%
Task 4: Product Delivery and Data Acceptance	70%	35%	100%	60%
Task 5: Quality Review Resolutions	0%	0%	0%	0%
Task 6: Closeout	0%	0%	0%	0%

[Acquisition of imagery for 21 counties began on February 1st, 2019 and was completed on April 3rd, 2019.]

VOICE Application Contractor:

This section summarizes the accomplishments of Quantum Spatial, the sole-source contractor developing the VOICE QC Application. The fully executed contract was awarded on March 6, 2019. That agreement consists of six primary tasks as follows:

- Task 1: Requirements Workshop
- Task 2: System Design Document
- Task 3: Development
- Task 4: Beta Release Testing
- Task 5: Production Release
- Task 6: Hosting and Project Close

The following tasks were completed or underway through this reporting period:

- Task 1: Requirements Workshop
 - Workshop held on 3/21/19.
- Task 2: System Design Document
 - Design document revised and approved on 4/4/19.
- Task 3: Development

- Initial application development was completed prior to beta testing period beginning in mid-May.
- Task 4: Beta Release Testing
 - Beta testing completed and all development priorities were approved.
- Task 5: Production Release
 - System is live on 7/29/19.
- Task 6: Hosting and Project Close
 - Image service hosting began on 7/29/19 and will continue through 12/28.
 - All counties are live as of 8/20/19.

Schedule

The following represents the project's core deliverables milestones for plan and actual status:

Task	Item	Planned Start	Planned Finish	Actual Finish/Percent Complete
1	Project Initiation	7/1/2018	12/31/2018	12/31/2019
	Issue RFQ for Orthoimagery QBS	7/31/2018	7/31/2018	7/31/2018
	Closing date for RFQ responses	8/23/2018	8/23/2018	8/23/2018
	Contract NCGS and NCDOT	8/1/2018	8/1/2018	11/5/2018
	Host workshop for selected applicants	10/2/2018	10/2/2018	10/2/2018
	Technical and cost proposals due	10/16/2018	10/16/2018	10/16/2018
	Negotiate with selected applicants	10/31/2018	10/31/2018	10/31/2018
	Issue Purchase Orders	11/22/2018	11/22/2018	12/10/2018
	Conduct Kickoff Meeting	12/13/2018	12/13/2018	12/13/2018
	Contract QC Service Provider	1/1/2019	1/1/2019	3/7/2019
2	Planning and Design	10/15/2018	4/30/2019	3/28/2019
	CORS Upgrades	10/15/2018	3/1/2019	1/23/2019
	Validation Range	10/15/2018	1/15/2019	11/1/2018
	RTN Maintenance	10/15/2018	Ongoing	Ongoing
	Control Surveys and Attachment C-1: Control Surveys Report	4/2/2019	4/2/2019	3/28/2019
3A	Acquisition	1/20/2019	5/15/2019	5/13/2019
	Acquire Imagery for 21 Counties	1/20/2019	4/15/2019	4/2/2019
	Attachment D: Imagery Acquisition Compliance Report	2/1/2019	5/15/2019	5/13/2019
3B	Acquisition Post-Processing	2/1/2019	6/7/2019	6/7/2019
	Attachment E: GNSS-IMU Post Processing & Aerotriangulation Report	3/1/2019	5/27/2019	5/27/2019
	Ortho Generation Workshop	4/17/2019	4/17/2019	4/17/2019
	Study Area Web Map Service	6/7/2019	6/7/2019	6/7/2019
4	Quality Review Production and Product Delivery	7/29/2019	11/16/2019	
	QC Production Cycle	7/29/2019	11/16/2019	
5	Implementation	12/1/2019	2/28/2020	
	Product Delivery	12/1/2019	12/10/2019	

	Implement the NC OneMap Geospatial Portal solution	12/1/2019	Ongoing	
	60-day End-User Evaluation	12/1/2019	2/28/2020	
6	Project Closeout	1/1/2020	5/31/2020	
	Final Data Packaging and Final Reports	1/1/2020	5/31/2020	
	Project Closeout	5/1/2020	5/31/2020	

Budget

The expenditures for the project are summarized below. Note the current reporting period represents August 1, 2019 – August 31, 2019. The total budget for the project is \$3,273,555.

Item	This Reporting Period	Cumulative to Date	Percent Expended to Date
CGIA			
CGIA Labor**	\$9,870.00	\$102,312.00	24.9%
ITS Hosting and Information Technology	\$0.00	\$0.00	0.0%
CGIA Travel	\$0.00	\$130.17	2.0%
CGIA Reimbursable Expenses	\$0.00	\$186.00	2.7%
CGIA Total	\$9,870.00	\$102,628.17	22.1%
Subcontractors			
NCDPS-NCGS	\$0.00	\$141,936.38	70.5%
NCDOT	\$8,237.74	\$45,565.48	31.8%
Sanborn Map Company	\$30,409.50	\$565,649.00	89.7%
Atlas Geographic Data	\$95,799.90	\$504,355.00	87.5%
Surdex	\$16,383.27	\$333,711.08	79.4%
Spatial Data Consultants	\$41,260.40	\$542,640.00	87.2%
VOICE	\$8,400.00	\$29,900.00	34.4%
Subcontractor Total	\$200,490.81	\$2,163,756.94	80.7%
Total (for Project)	\$210,360.81	\$2,266,385.11	69.2%

**Received guidance from DIT-Finance that CGIA labor costs will continue to be receipts-based for the remainder of FY18-19. This month's CGIA labor expenditures cover the period of August 31, 2019.

Major Tasks Identified for September 2019

CGIA

- Continue outreach related to upcoming VOICE Quality Review of orthoimagery by end-users in all 21 counties.
- Perform Quality Review in VOICE for 21 counties in the project area.
- Coordinate VOICE account creation for end-users participating in online quality review.
- Monitor end-user quality review and resolve any issues that arise with application interface.
- Screen and document all submitted issues from quality review process.
- Submit valid issues to contractors for corrections.

- Confirm corrected imagery as contractors fix issues and resubmit imagery into the VOICE interface.
- Perform outreach to end-user GIS community by presenting at the 2019 ArcGIS User's Conference at the end of September.
- Other tasks include regular team meetings and ongoing outreach to federal, state and local partners.

NCDOT

- Attend weekly project meetings.
- Perform Quality Review in VOICE for 21 counties in the project area.
- Screen submitted NCDOT issues and pass along valid issues for correction to the contractors.
- Continue technical support for project planning.

NCGS

- Attend project meetings.
- Continue to assess horizontal quality control points in project area by visualizing in VOICE to identify obstructed points. Re-survey any necessary obstructed points.
- Perform CORS maintenance where necessary in the project area.

Project Issues

There are no financial or technical issues to prevent the team from completing the project on time and within budget.

Please contact me by phone at (919) 754-6588 or email at tim.johnson@nc.gov if you have questions about this report or about contractual or administrative aspects of the project. Contact Ben Shelton of CGIA at (919) 754-6377 or email at ben.shelton@nc.gov regarding technical matters related to the project.

Sincerely,

A handwritten signature in black ink that reads "Tim Johnson". The signature is written in a cursive, flowing style.

Tim Johnson, GISP
Director
Center for Geographic Information and Analysis

COMPUTER BILL

FOR AUGUST 2019

----- APPL=MGH -----

Obs	APPL	COSTCTR	CHGITEM	Qty	charges
2	MGH	1082	870059	16383.27	16383.27
3	MGH	1082	870059	30409.50	30409.50
4	MGH	1082	870059	95799.90	95799.90
5	MGH	1082	870059	41260.40	41260.40
6	MGH	1082	870059	8400.00	8400.00
7	MGH	1082	870059	8237.64	8237.64
8	MGH	1082	870066	117.50	9870.00
----				-----	-----
APPL				200608.2	210360.71

ACCOUNTS PAYABLE

200,490.71

FUND	CENTER	ACCOUNT	PAY ENTITY	CTRL NO	PAYMENT DATE	CHECK NO	INVOICE NO	AMOUNT PAID	VENDOR NO	VENDOR GROUP	VENDOR NAME	INVOICE DATE	LINE ITEM DESCRIPTION	PO NUMBER	PO LINE NO
7115	1082	532199	41PT	1980	8/22/2019	139092	AGD-SPM19-807	23,493.50	203251160	01	ATLAS GEOGRAPHIC DATA INC	8/6/2019	PLANNING, ACQUISITIO	NC10483407	1
7115	1082	532199	41PT	1980	8/22/2019	139092	AGD-SPM19-807	6,916.00	203251160	01	ATLAS GEOGRAPHIC DATA INC	8/6/2019	ORTHO GENERATION, PR	NC10483407	2
7115	1082	532199	41PT	1980	8/22/2019	139111	90718549	8,237.64	566000967	Y	NC DEPT OF TRANSPORTATION	8/13/2019	IMAGE19 - FY19-20	NC10465392	2
7115	1082	532199	41PT	1980	8/22/2019	139096	34694-003	8,400.00	391133181	A	QUANTUM SPATIAL, INC.	8/6/2019	FY19-20: PRODUCTION,	NC10500749	2
7115	1082	532199	41PT	1980	8/22/2019	139109	SPM19-08	41,260.40	561963091	02	SPATIAL DATA CONSULTANTS	8/6/2019	ORTHO GENERATION, PR	NC10483409	2
7115	1082	532199	41PT	1980	8/22/2019	139097	4619	95,799.90	430690641	B	SURDEX CORPORATION	8/5/2019	ORTHO GENERATION, PR	NC10483410	2
7115	1082	532199	41PT	1980	8/22/2019	139082	COS00006361	16,383.27	133980333	03	THE SANBORN MAP COMPANY INC.	8/7/2019	ORTHO GENERATION, PR	NC10483408	2

LABOR

DIT - CGIA
Staff Billing Report
Activity: August 2019

	Client	Date	vice	Memo/Description	Rates	Duration	Billable	Amount
Ben Shelton								
	IMAGE19	08/01/2019	Services:55	Project Management	84.00	8	Yes	672.00
	IMAGE19	08/02/2019	Services:55	Project Management	84.00	7	Yes	588.00
	IMAGE19	08/02/2019	Services:40	Presentations/Demonstrations/Meetings	84.00	1	Yes	84.00
	IMAGE19	08/05/2019	Services:55	Project Management	84.00	8	Yes	672.00
	IMAGE19	08/06/2019	Services:55	Project Management	84.00	3	Yes	252.00
	IMAGE19	08/07/2019	Services:55	Project Management	84.00	6	Yes	504.00
	IMAGE19	08/08/2019	Services:55	Project Management	84.00	6	Yes	504.00
	IMAGE19	08/09/2019	Services:55	Project Management	84.00	5	Yes	420.00
	IMAGE19	08/09/2019	Services:40	Presentations/Demonstrations/Meetings	84.00	1	Yes	84.00
	IMAGE19	08/12/2019	Services:55	Project Management	84.00	4	Yes	336.00
	IMAGE19	08/13/2019	Services:55	Project Management	84.00	5	Yes	420.00
	IMAGE19	08/14/2019	Services:55	Project Management	84.00	2	Yes	168.00
	IMAGE19	08/15/2019	Services:55	Project Management	84.00	8	Yes	672.00
	IMAGE19	08/16/2019	Services:40	Presentations/Demonstrations/Meetings	84.00	1	Yes	84.00
	IMAGE19	08/16/2019	Services:55	Project Management	84.00	5	Yes	420.00
	IMAGE19	08/19/2019	Services:55	Project Management	84.00	4	Yes	336.00
	IMAGE19	08/20/2019	Services:55	Project Management	84.00	4	Yes	336.00
	IMAGE19	08/21/2019	Services:55	Project Management	84.00	3	Yes	252.00
	IMAGE19	08/22/2019	Services:55	Project Management	84.00	3	Yes	252.00
	IMAGE19	08/23/2019	Services:55	Project Management	84.00	5	Yes	420.00
	IMAGE19	08/26/2019	Services:55	Project Management	84.00	5	Yes	420.00
	IMAGE19	08/27/2019	Services:55	Project Management	84.00	4	Yes	336.00
	IMAGE19	08/28/2019	Services:55	Project Management	84.00	1	Yes	84.00
	IMAGE19	08/29/2019	Services:55	Project Management	84.00	3	Yes	252.00
	IMAGE19	08/30/2019	Services:55	Project Management	84.00	8	Yes	672.00
Total for Ben Shelton						110		\$ 9,240.00
Matthew McLamb								
	IMAGE19	08/09/2019	Services:15	Consulting	84.00	0.5	Yes	42.00
	IMAGE19	08/30/2019	Services:15	Consulting	84.00	0.5	Yes	42.00
Total for Matthew McLamb						1		\$ 84.00
Tim Johnson								
	IMAGE19	08/02/2019	Services:15	Consulting	84.00	1	Yes	84.00
	IMAGE19	08/09/2019	Services:15	Consulting	84.00	0.5	Yes	42.00
	IMAGE19	08/16/2019	Services:15	Consulting	84.00	0.5	Yes	42.00
	IMAGE19	08/20/2019	Services:15	Consulting	84.00	2	Yes	168.00
	IMAGE19	08/21/2019	Services:15	Consulting	84.00	1	Yes	84.00
	IMAGE19	08/26/2019	Services:15	Consulting	84.00	1	Yes	84.00
	IMAGE19	08/30/2019	Services:15	Consulting	84.00	0.5	Yes	42.00
Total for Tim Johnson						6.5		\$ 546.00
TOTAL						117.5		\$ 9,870.00

APPROVED INVOICES



INVOICE

Bill To
Center for Geographic Information and Analysis Attn: Tim Johnson 3700 Wake Forest Rd. Raleigh, NC 27609

Order Information	
Invoice Number	AGD-SPM19-807
CGIA Contract Number	IMAGE19-04
Purchase Order Number	NC10483407
Invoice Amount	\$30,409.50
Invoice Date	August 06 2019
Performance Period	July 1 thru July 31, 2019

Remit To
Issuing Vendor Firm: Atlas Geographic Data, Inc. Issuing Vendor Fiscal Division: A Issuing Vendor Address: 215 Racine Drive, Suite 201, Wilmington, NC 28403

Contact Information
Issuing Vendor Administrator: Larry Kirkpatrick Issuing Vendor Email: kirkpatrick@atlasgeodata.com hlambert@atlasgeodata.com Issuing Vendor Phone: 910 256 9892 Issuing Vendor Fax: 910 256 9979

Invoice Summary (per Primary Task)		
Task	Item Description	Amount
3.	Aerotriangulation and Ortho generation	\$ 23,493.50
4.	Product Delivery and Data Acceptance	\$ 6,916.00
	Total	\$ 30,409.50

RECEIVED
By Ben Shelton at 1:46 pm, Aug 06, 2019



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

Invoice

Bill To:
ITS-CGIA
ATTN: TIM JOHNSON
PO Box 17209
RALEIGH NC 27609-7209

Order Information
Customer Number: 67549
Invoice Number: 90718549
Purchase Order #: 006224-001_7775_0001 **NC10465392**
Purchase Order Date: 08/24/2018
Sales Order Number: 644948
Payment Terms: Net due 30 days
Billing Date: 08/13/2019
Due Date: 09/12/2019

Remit To:
North Carolina Department of Transportation
Fiscal Section - Accounts Receivable Unit
1514 Mail Service Center
Raleigh, North Carolina 27699-1514

Contact Person: Stephanie Benson
Phone: (919)707-4208 Ext. 00
Fax: (919)715-8718
Internet: sbenson@ncdot.gov

Invoice Details

Item	Description	Quantity	Unit Price	Amount
0010	NC State Agency Participation Reim. INTERAGENCY REIMBURSEMENT AGREEMENT EXECUTED ON 08/24/18 WITH NORTH CAROLINA DEPARTMENT OF INFORMATION TECHNOLOGY CENTER FOR GEOGRAPHIC INFORMATION AND ANALYSIS CONSISTING OF PROVIDING ORTHOIMAGERY ADVISORY AND TECHNICAL SERVICES FOR THE DIGITAL SOUTHERN PIEDMONT AND MOUNTAINS 2019 PROJECT IN 21 COUNTIES OF NORTH CAROLINA, TOTALING APPROXIMATELY 10,397 SQUARE MILES AND 11,595 ORTHOIMAGERY TILES (THE STUDY AREA). COSTS INCURRED FOR THE MONTH OF JULY 2019 TOTAL \$8,237.64 PER ATTACHED E-MAIL AND DOCUMENTATION RECEIVED FROM RANDY DILLARD OF NCDOT'S PHOTOGRAMMERY UNIT.	1 EA	8,237.64	8,237.64
Total Amount Due				\$ 8,237.64

Please return the attached copy of this invoice to ensure proper credit for your payment. Remittances should be made payable to N.C. Department of Transportation.

RECEIVED
By Ben Shelton at 1:46 pm, Aug 13, 2019



INVOICE

Bill To		
41PT		
ITS	ACCOUNTS	PAYABLE
POBOX17209		
Raleigh, NC		27619-7209
UnitedStates		
Phone: 919-754-6314		

Order Information	
Invoice Number	34694-003
CGIA Contract Number	IMAGE19-07
Purchase Order Number	NC10500749
Invoice Amount	\$8,400
Invoice Date	August 6, 2019
Performance Period	07-01-19 to 07-31-19

Remit To
Updated Remittance info with Jason Pollard

Contact Information
Chris Holder cholder@quantumspatial.com Vendor Phone: (859) 277-8700 Vendor Fax: 859-277-8701

Invoice Summary (per Primary Task)		
Task	Item Description	Amount
6	Hosting and Project Close	\$8,400.00
	TOTAL	\$8,400.00

RECEIVED
 By Ben Shelton at 1:46 pm, Aug 06, 2019



1008 Hutton Lane, Suite 109
 High Point, NC 27262
 Phone: (336) 841-1247
 Fax: (336) 841-1248
www.spatialdc.com

INVOICE

Bill To
Center for Geographic Information and Analysis Attn: Tim Johnson, GISP 3700 Wake Forest Rd. Raleigh, NC 27609

Remit To
Spatial Data Consultants, Inc. 1008 Hutton Lane, Suite 109 High Point, NC 27262

Order Information	
Invoice Number	SPM19-08
CGIA Contract Number	IMAGE19-06
Purchase Order Number	NC10483409
Invoice Amount	\$41,260.40
Invoice Date	08/06/19
Performance Period	07/01/19 through 07/31/19

Contact Information
Susan L. Schall, President, CEO sschall@spatialdc.com (336) 841-1247 (office) (336) 906-3261 (cell) (336) 841-1248 (fax)

Invoice Summary (per Primary Task)		
Task	Item Description	Amount
3	Aerotriangulation and Ortho Generation	\$19,058.90
4	Product Delivery and Data Acceptance	\$22,201.50
	Invoice Total	\$41,260.40

RECEIVED
 By Ben Shelton at 1:48 pm, Aug 06, 2019



INVOICE

Bill To
Center for Geographic Information and Analysis Attn: Tim Johnson 3700 Wake Forest Rd. Raleigh, NC 27609

Order Information	
Invoice Number	4619
CGIA Contract Number	IMAGE19
Purchase Order Number	NC10483410
Invoice Amount	\$95,799.90
Invoice Date	August 5, 2019
Performance Period	June 1, 2019 – July 31,2019

Remit To
Surdex Corporation Accounts Receivable 520 Spirit of St. Louis Blvd. Chesterfield, MO 63005

Contact Information
Harold Feldman Haroldf@surdex.com 636-368-4400 636-368-4401

Invoice Summary (per Primary Task)		
Task	Item Description	Amount
3	Attachment E and Ortho\Seam Generation	68,268.90
4	Level 1 review and Geotiff Submittal	27,531.00
	Total	\$95,799.90

RECEIVED
By Ben Shelton at 2:05 pm, Aug 06, 2019



Sanborn | Charlotte
 6701 Carmel Road
 Suite 301
 Charlotte, NC 28226

Phone: 704.347.4552
 Toll-Free: 1.866.726.2676
 Fax: 704.347.4515
 www.sanborn.com

INVOICE

Bill To
41PT ITS ACCOUNTS PAYABLE PO BOX 17209 Raleigh, NC 27619-7209 United States Phone: 1919-754-6314 Department of Information Technology

Order Information	
Invoice Number	COS00006361
CGIA Contract Number	IMAGE19-05
Purchase Order Number	NC10483408
Invoice Amount	\$16,383.27
Invoice Date	August 7, 2019
Performance Period	July 1, 2019 through July 31, 2019

Remit To
Sanborn Map Company, Inc. Accounts Receivable 1935 Jamboree Dr., Ste 100 Colorado Springs, CO 80920

Contact Information
Maralyn Kuentler mkuentler@sanborn.com Phone: (719) 264.5564 Fax: (719) 623.0074

Invoice Summary (per Primary Task)		
Task	Item Description	Amount
3	Aerotriangulation and Ortho Generation	\$13,801.74
4	Level 1 Review and Initial GeoTIFF Submission	\$2,581.53
	Total	\$16,383.27

RECEIVED
 By Ben Shelton at 9:28 am, Aug 16, 2019

5 g)

Halifax County PSAP Grant Rescission

Halifax County Board of Commissioners

Vernon J. Bryant, Chairman
J. Rives Manning, Jr., Vice-Chairman
Carolyn C. Johnson
Marcelle O. Smith
T. Patrick W. Qualls
Linda A. Brewer



Tony N. Brown
County Manager
Andrea H. Wiggins
Clerk to the Board
M. Glynn Rollins, Jr.
County Attorney

Halifax County Historic Courthouse
10 North King Street, Post Office Box 38, Halifax, North Carolina 27839
Office: 252-583-1131 – Fax: 252-583-9921
www.halifaxnc.com

September 12, 2019

Ms. Pokey Harris, Executive Director
NC 911 Board
NC Department of Information Technology Services
PO Box 17209
Raleigh, NC 27619-7209

Re: Grant Rescission

Dear Ms. Harris:

As you are aware, on August 14, 2019, the Halifax County Board of Commissioners voted not to appropriate funding for architectural fees for the new 911 center, which would have allowed us to move forward with the project. As a result, the County is rescinding acceptance of the 911 grant funds. Please consider this our formal notification.

We understand that this decision directly impacts the plans of Franklin County and Warren County to locate their backup PSAP facilities in Halifax County. However, this was strictly a fiscal decision as the Board has other priorities within the county at this time that must take precedence. Both of the affected chairs and county managers have been notified.

It is our hope that this decision will not negatively impact any future grants that we may wish to pursue. Please let us know if further information is needed from us.

Respectfully,

A handwritten signature in black ink, appearing to read "Vernon J. Bryant", is written over a horizontal line.

Vernon J. Bryant, Chairman
Halifax County Board of Commissioners

Cc: Tony N. Brown, County Manager

The mission of the Halifax County Board of Commissioners is to provide leadership and support for an effective county government that seeks to enhance the quality of life for the people of Halifax County.

In God We Trust

5 h)

**Mitchell County PSAP Grant
Extension to May 31, 2020**

MITCHELL COUNTY



26 CRIMSON LAUREL CIRCLE, Suite 2
BAKERSVILLE, NC 28705
Telephone: 828-688-2139 Fax: 828-688-4443

September 16, 2019

Ms. Pokey Harris
Executive Director
NC 911 Board
Department of Information Technology
P O Box 17209
Raleigh, NC 27619-7209

Re: Grant Contract No. G2017-9

Dear Ms. Harris,

Mitchell County respectfully requests a 6-month grant extension until May 31, 2020. Currently the grant contract expires December 1, 2019. The original grant contract was signed on November 7, 2016. At this time, our cutover is expected in late November 2019.

The facility is nearing completion after being plagued by numerous weather delays throughout the last year and a half. Exterior facility work is complete, with finishing electrical work underway. In addition, there is remedial grading work that must be undertaken to ensure proper drainage.

Technology procurements are well underway, with AT&T's equipment on-site ready for installation when the electrical work in the data center is complete. The workstation furniture is scheduled to be installed in mid-September. The logging recorder is on order, as are the radio consoles. After a change in radio system vendors as the result of a competitive procurement, the height of the tower calculated by the County's current radio system maintenance provider was questioned. This resulted in new calculations and antenna heights, and subsequent reworking of the tower quotes. This has been underway for several months. The County hopes to procure the tower in early September. However, the lead-time is 8 to 10 weeks. We are trying to expedite the tower, but this is out of our control and is dependent on the steel manufacturers.

To date, the County has continued to be diligent in the use of grant funds.

It is our hope that the NC 911 Board will approve our grant extension request.

Respectfully,

Kathy Young,
Mitchell County Manager

Tab 6 (6 Minutes)

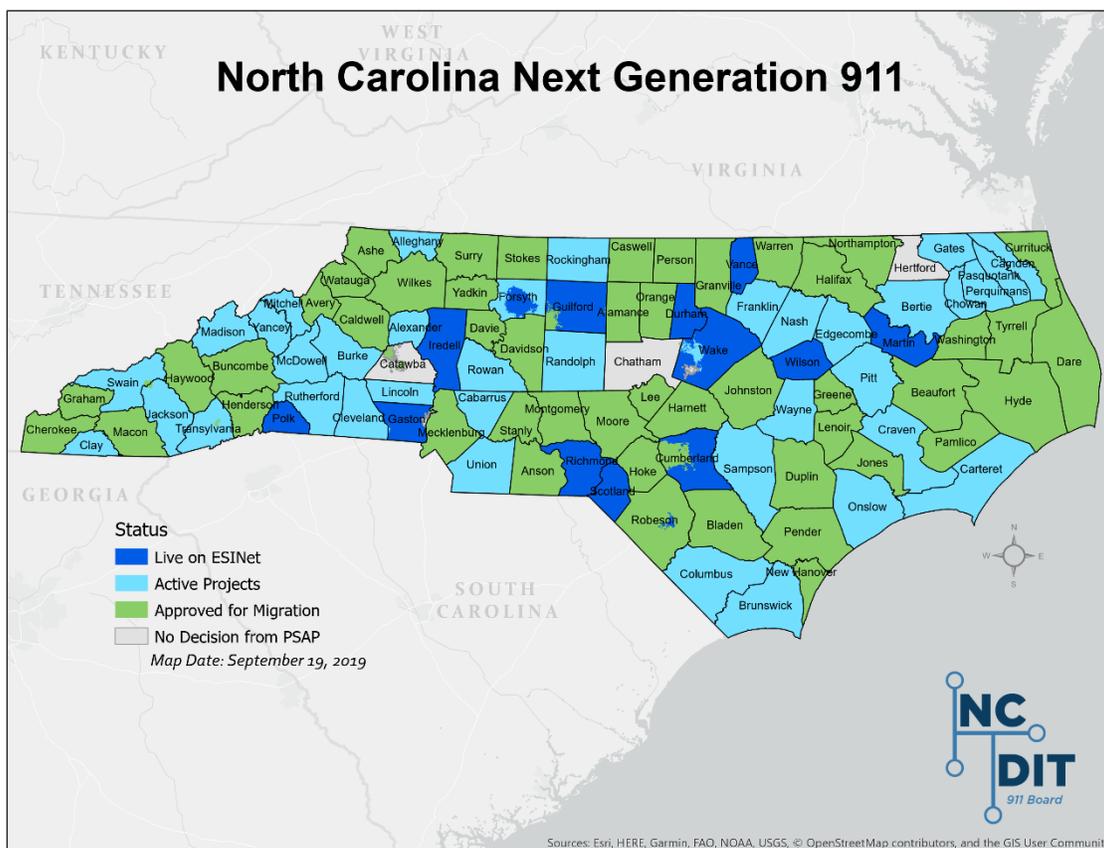
Executive Director Report

Pokey Harris

6 a)

NextGen 911 Migration Status

NC NG911 Migration Status



#NexGen911isNowGen911inNC

6 b)

Martin County Regional Communications Center ESInet Migration September 10, 2019

On Tuesday, September 10, Martin County Regional Communications Center successfully cutover to the NC 911 managed service AT&T ESInet and hosted Viper call handling solution with the first 911 call being received at 13:51 hours. This migration was number 14, bringing the total of physical PSAPs at that time, including backup sites, to 24.

With Martin County currently preparing to move into their new regional communications center, they are occupying their backup PSAP.

Congratulations to Jason Steward (Telecommunications Manager/911 Director) and his entire team, as well as County Manager David Bone!!! David is a member of the North Carolina 911 Board representing the North Carolina Association of County Commissioners.



Jason shared his thoughts the day of the cut saying, *“the arrival of ESInet in Martin County assures dependent, efficient, and continuous 911 services for our residents and guests. I’d like to thank the 911 Board and staff for their support during this project.”*

We also want to do a special shout out to NC 911 Board Network Engineer, Gerry Means, who spent his birthday in Martin County the day of the cut. Gerry said it was a great way to celebrate!

6 b) Martin County Regional Communications Center Ribbon Cutting September 18, 2019

The ribbon cutting for Martin County's new Regional Communications Center was held on September 18. The 5,100 square foot facility and technology funded through the PSAP Grant Program will serve as the primary 911 center for Martin County and backup for Bertie and Pasquotank Counties.

The blue sky and light breeze made for a perfect day to celebrate this wonderful milestone for Martin County 911. Thanks for the invite and allowing us to share in the festivities!!!

Congratulations again to Jason Steward and Telecommunicators, as well as David Bone and all of Martin County.



6 c) Polk County 911 ESInet Migration September 11, 2019

What a befitting way to commemorate 9/11 by being PSAP number 15 on the NC 911 managed service AT&T ESInet and hosted Viper call handling solution. That is exactly what Polk County 911 did at 1050 hours on Wednesday, September 11!



Please help us congratulate James McGuinn - Director, Polk County E911 Communications, all his team, and the entire County on their successful step forward with NextGen 911. Following the cut, James sent an e-mail saying, *“it seemed like this day was a long time coming but it went smoothly. I want to thank everyone that was involved. We are still tweaking a few things, but the team onsite helped make this an easy transition. We are excited about the future of NG911. “*

Polk County’s migration brought the actual total of physical sites on the NC 911 ESInet to 26.

6 d)

Henderson-Vance County 911 ESInet Migration September 18, 2019

Shout out and congratulations to **Brian Short** and all the staff at **Henderson-Vance County 911!!!**

On September 18, at 1134 hours, they marked PSAP **number 16** on the NC 911 managed service AT&T ESInet and hosted Viper call handling solution. This migration brought the total number of physical PSAPs to 28.

I had the chance to speak with Brian on the phone after the cut and he followed up with an e-mail stating, *“we are so proud to be among the first to reach this milestone. Next Generation 911 represents a huge step forward for the 911 industry and to see this change take place and be a part of it is very exciting to all of us.”*



6 e) NMAC Ribbon Cutting September 19, 2019

Another ribbon cutting for the week was held for the NC 911 Network Monitoring and Assistance Center (NMAC) on September 19. It was a great day for celebrating the long awaited official “opening” of the NMAC.

Staffed 24/7/365, the NMAC will immediately address network issues and assist behind the scenes to provide seamless 911 coverage, allowing telecommunicators to focus on helping citizens get the assistance they need as quickly as possible. The NMAC is the heartbeat of the NextGen 911 system able to troubleshoot and resolve issues, manage incidents, create and update critical operational documentation, and provide proactive surveillance.

911 Board Chair and State CIO, Secretary Eric Boyette noted, “as more and more 911 centers across the state upgrade their technology to support [next-generation 911](#) services, the Network Monitoring and Assistance Center will play an important role in making sure services run smoothly across the state.”

We look forward to you getting to meet the NMAC staff: **Stanley Meeks, NMAC Manager; James Covington, Technician; and Chris Carlin, Technician**



6 f) NC SHP PSAP Grant Program Agreement Signing Event September 19, 2019

September 19 was a busy day for NC 911 Board Members and Staff with a second milestone event being held that day. Showcasing strong partnerships among state agencies, this event brought together SHP leadership and telecommunicator supervisors representing each SHP troop, for a ceremonial signing of the agreement for the grant awarded by the NC 911 Board that will allow NC SHP to interface with the state ESInet.



The SHP is one of seven grant recipients of the 2020 PSAP Grant Program. Such signing events are planned in the coming weeks to showcase other exciting 911 grant projects across the state.

**6 g)
Cleveland County 911
ESInet Migration
September 25, 2019**

*Information and photo
not available prior
to publication
of agenda book.*

**6 h)
Shelby PD 911
ESInet Migration
September 25, 2019**

*Information and photo
not available prior
to publication
of agenda book.*

**6 i)
Kings Mountain 911
ESInet Migration
September 25, 2019**

*Information and photo
not available prior
to publication
of agenda book.*

6 j)

Hurricane Dorian

ESF2 PSAP Coordination

September 1 – 7, 2019

Hurricane Dorian ESF2 PSAP Coordination

September 1 – 7, 2019

At the peak of monitoring, 22 PSAPs had established reroute/alternate route plans and were prepared to implement if necessary. (Please see below list and map.) Conference calls were held with the majority of each of the sending PSAP and host PSAP partnerships along with the telcos, SHP TSU Viper Coordinator, and DPR Talk Group Coordinator to share information about the reroute/alternate route request from the telco, operational procedures, and radio communications. These calls proved to be the key to success in preplanning. There are several lessons learned that will be incorporated into an AAR to make the process even more efficient for the next activation. A PSAP hotwash is being planned within the next few weeks and will be open to participation by all PSAPs.

There was one PSAP reroute/alternate route activation for a short duration due to commercial and generator power failure. The transition was smooth, and the issue was rectified very quickly. This is attributed to the reroute preplanning.

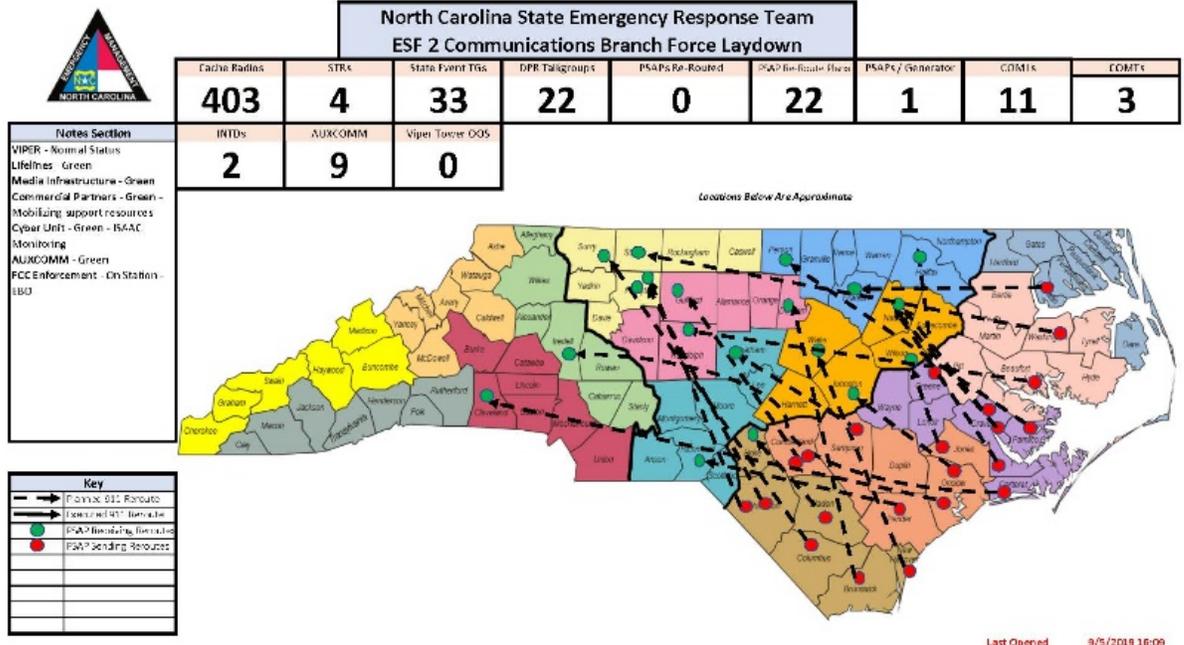
NC911 Board Staff made daily contact with PSAPs across the state for three days beginning Wednesday, September 4. This included PSAPs not directly impacted to ensure there were no issues that had not been identified and addressed. This also served as a method to inquire of PSAPs' ability to serve as a host PSAP or to provide telecommunicators to other PSAPs should the need arise. NMAC staff was also engaged in this outreach effort, serving as an initial introduction of this staff to the PSAP community.

No TERT coordination was provided by ESF2 PSAP Coordination for this weather incident. Staff was poised to assist as during Hurricane Florence in 2018 due to the State TERT Coordinator again being directly impacted by the weather.

911 Board staff dedicated approximately 280 hours to ESF2 PSAP Coordination efforts for this incident that included EOC activation and outreach activities.

PSAP Preplanned Reroute/Alternate Routing:

- Beaufort County → Randolph County
- Bladen County → Hoke County
- Brunswick County → Durham
- Carteret County → Iredell County
- Chowan County → Franklin County
- Columbus County → Surry County
- Craven County → New Bern → Nash County
- Cumberland County → Guilford Metro
- Fayetteville → Guilford Metro
- Greene County → Halifax County
- Havelock → Craven County → Nash County
- Jacksonville PD → Shelby PD
- Jones/Lenoir Counties → Wilson County
- Lumberton → Winston-Salem PD
- New Bern → Craven County → Nash County
- New Hanover County → Raleigh/Wake ECC
- Onslow County → Johnston County
- Pamlico County → Person County
- Pender County → Richmond County
- Robeson Count → Winston-Salem PD
- Sampson County → Chatham County
- Washington County → Stokes County



* All information assumed accurate at the time of this report. Revisions and additions will be made as all incident information is reviewed and validated.

6 k)

Staffing Update

6 l)

State 911 Plan/Legislation

Crosswalk

Richard Bradford

Technology Goal 1				2019 Board Goals (A – H notes listed below. See 12/7/18 Agenda Book)	Committee
Provide and pay for a statewide hosted Next Generation 911 system.					
Objective Number	Description	Ownership	Target Dates		
1	Amend the definition of a 911 system to include NG911 and to better reflect the complete handling of a 911 call.	911 Board 911 Board Staff	Legislative Session beginning January 2019	A	Executive
1.1	Amend the current statutory definition of “911 system” by adding the following: Delivers 911 calls to the State NG911 Network as provided by G.S. §143B-1404(e).	911 Board 911 Board Staff	Legislative Session beginning January 2019	A	Executive
2	Work with the Board’s NG911 system vendor to ensure the NG911 system is built and deployed within contractual specifications and the NENA i3 standard.	911 Board 911 Board Staff NG911 system vendor	12/31/2021	B.3	Tech / Stds
3	Build, equip, and operate the Network Management and Assistance Center (NMAC); train NMAC staff for Tier 1 and Tier 2 support to PSAPs.	911 Board 911 Staff	June 2019	B.3	Tech / Stds
4	Initiate program inclusion with all primary PSAPS as users of the statewide NG911 system.	911 Board 911 Board Staff NG911 system vendor PSAPs	70% by 12/31/18 80% by 07/01/19 85% by 12/31/19 90% by 12/31/20 100% by 12/31/21	A B.1 B.3	Tech/Admin Tech/Stds
5	Work with Board’s NG911 system vendor to ensure that PSAPs migrate to the ESInet from their legacy call	911 Board 911 Board Staff NG911 system vendor	Target dates are those established in contract for	B.1 B.2 B.4	Tech/Admin Admin Tech/Funding

Technology Goal 1				2019 Board Goals (A – H notes listed below. See 12/7/18 Agenda Book)	Committee
Provide and pay for a statewide hosted Next Generation 911 system.					
Objective Number	Description	Ownership	Target Dates		
	delivery network within contractual specifications and in compliance with NENA i3 standard and NENA Standard 75-001 (NG911 Security).	PSAPs	going live on ESInet		
6	Initiate and complete the process for the migration of secondary PSAPs (as defined and approved by the 911 Board) as users of the statewide NG911 system to coincide with the migration of the primary PSAP.	911 Board 911 Staff NG911 system vendor PSAPs	Dates to be consistent with those established in Objective 5	B.4	Tech/Funding

Technology Goal 2				2019 Board Goals	Committee
Implement a comprehensive Cybersecurity program for the fundamental security of the ESInet, interconnected networks, software, applications, and PSAP users of the ESInet.					
Objective Number	Description	Ownership	Target Dates		
1	Develop documented cybersecurity policies, procedures, requirements, and processes for ESInet users, in compliance with the NENA NG911 i3 Standard and NENA Standard 75-001. Ensure that such policies, procedures, requirements, and processes are updated as needed in	911 Board 911 Board Staff NG911 system vendor	7/1/2019	B.3	Tech/Std

Technology Goal 2				2019 Board Goals	Committee
Implement a comprehensive Cybersecurity program for the fundamental security of the ESInet, interconnected networks, software, applications, and PSAP users of the ESInet.					
Objective Number	Description	Ownership	Target Dates		
	compliance with NENA i3 and other cybersecurity standards as they relate to IP-enabled networks.				
2	Provide 24/7/365 network monitoring and surveillance of the NG911 system.	911 Board 911 Board Staff NG911 system vendor	Ongoing	B.2	Admin

Technology Goal 3				2019 Board Goals	Committee
Explore and investigate the interconnection of PSAP users of the ESInet with other ESInet users and with other networks serving public safety after complete acceptance of the NG911 system from the NG911 system vendor.					
Objective Number	Description	Ownership	Target Dates		
1	Explore ways to further expand the NG911 system in support of PSAPs and 911 service.	911 Technical Committee 911 Board 911 Board Staff NG911 system vendor	After 12/31/2021	B, generally	Technology
2	Work with NG911 system vendor to determine and define technical requirements, responsibilities, conditions, costs, and Service Level Agreements (SLAs) for future interconnectivity with the ESInet.	911 Technical Committee 911 Board 911 Board Staff NG911 system vendor	After 12/31/2021	B, generally	

Technology Goal 3				2019 Board Goals	Committee
Explore and investigate the interconnection of PSAP users of the ESInet with other ESInet users and with other networks serving public safety after complete acceptance of the NG911 system from the NG911 system vendor.					
Objective Number	Description	Ownership	Target Dates		
3	Collaborate, research, and explore, where applicable and appropriate, on technology initiatives that affect 911 service with other jurisdictions and networks that serve public safety.	911 Technical Committee 911 Board 911 Board Staff PSAPs	After 12/31/2021	B, generally C, generally	All

Technology Goal 4				2019 Board Goals	Committee
Build and implement statewide GIS database that will be used as a core service of the NG911 system, to be based on the NENA i3 Standard and other NENA NG911 Standards as they relate to GIS.					
Objective Number	Description	Ownership	Target Dates		
1	Work with North Carolina Center for Geographic Analysis (CGIA) to establish GIS standards for local GIS databases for NG911.	911 Board 911 Board Staff CGIA NG911 GIS contractor PSAPs	Dates consistent with implementation requirements.	A B, C generally G	Tech/Admin Educ/Std
2	Establish and implement maintenance requirements for GIS data to ensure accuracy and to ensure that GIS data is in sync with NG911 system.	911 Board 911 Board Staff CGIA NG911 GIS contractor PSAPs	Dates consistent with implementation requirements.	B.3	Tech/Std

Technology Goal 4				2019 Board Goals	Committee
Build and implement statewide GIS database that will be used as a core service of the NG911 system, to be based on the NENA i3 Standard and other NENA NG911 Standards as they relate to GIS.					
Objective Number	Description	Ownership	Target Dates		
3	Obtain and implement PSAP jurisdictional and other GIS data necessary for NG911 implementation.	911 Board 911 Board staff CGIA NG911 GIS contractor NG911 system vendor PSAPs	Dates consistent with implementation requirements.	B.1 B.2 B.4	Tech/Admin Admin Tech/Funding

Governance Goal 5				2019 Board Goals	Committee
Staff the Board to meet its duties, facilitate all aspects of 911 service, and provide advisory services to PSAPs, pursuant to G.S. § 143B-1402(a)(4).					
Objective Number	Description	Ownership	Target Dates		
1	Create a PSAP Assistance Team to serve as a Board liaison to PSAPs, as well as assist PSAPs with operational, organizational, technological, funding, and training needs.	911 Board 911 Board Staff	12/31/2019	C	Admin/Staff
2	Staff NMAC with experienced and trained staff as needed to provide Tier One and Tier Two proactive and reactive support for the state's PSAPs.	911 Board 911 Board Staff		B.2	Admin

Governance Goal 5				2019 Board Goals	Committee
Staff the Board to meet its duties, facilitate all aspects of 911 service, and provide advisory services to PSAPs, pursuant to G.S. § 143B-1402(a)(4).					
Objective Number	Description	Ownership	Target Dates		
3	<p>Modernize, update and streamline the Board’s financial management systems, processes and procedures, including</p> <ul style="list-style-type: none"> a. Updating eligible uses of 911 funds to account for technological changes; b. Clarifying and simplifying the reimbursement process, including but not limited to simplifying Board staff internal review; c. Providing clear, concise, consistent, and reasonable documentation requirements; and d. Implementing web-based financial management of the Board’s funding operations. 	<p>911 Board 911 Board Staff</p>		E, generally	Funding/Staff

Statutory Goal 6				2019 Board Goals	Committee
Seek legislative amendments to G.S. §143B-1400 <i>et seq.</i> to reflect changes in 911 service, PSAP operations, and Board responsibilities in the Next Generation 911 environment.					
Objective Number	Description	Ownership	Target Dates		
1	Amend, modify, or establish state contracts and pricing for 911 equipment, services, and supplies.	911 Board 911 Board Staff	On-going	E.2	Funding
2	Amend definitions of 911 system to reflect NG911 environment and technology.	911 Board 911 Board Staff	Legislative Session beginning January 2019	A	Executive
3	Re-define primary PSAP and secondary PSAP to reflect their roles in NG911.	911 Board 911 Board Staff	Legislative Session beginning January 2019	A C	Executive Admin/Staff
4	Amend funding formula to provide the Board with greater flexibility in the transition period from legacy 911 to NG911.	911 Board 911 Board Staff	On-going	E.1	Funding

Statutory Goal 7				2019 Board Goals	Committee
Seek legislative amendments to G.S. §143B-1400 <i>et seq.</i> to define “Multi-Line Telephone System” (or MLTS) and to provide for the regulation of MLTS, to be consistent with the State’s authority as well as federal law and FCC rules, upon the effective date of federal law.					
Objective Number	Description	Ownership	Target Dates		
1	Upon transition to the NG911 network, begin collecting data on the level of location information at PSAPs, 911 call volume for MLTS calls, and other statistics as cited by the FCC.	911 Board 911 Board staff NG911 system vendor PSAPs	On-going	A	Stds Executive

Funding Goal 8				2019 Board Goals	Committee
Develop a revenue model for 911 service, NG911 service, PSAPs, and 911 Board operations.					
Objective Number	Description	Ownership	Target Dates		
1	Review, revise, and update the eligible uses of 911 revenue and seek legislative changes as necessary to align with PSAP services in the NG911 environment.	911 Board 911 Board Staff	12/31/19	E	Funding / Staff
2	Improve and optimize the reimbursement process.	911 Board 911 Board Staff PSAPs	12/31/19	E.3	Funding / Executive

3	Foster and facilitate PSAP consolidation and regional collaboration by establishing a process whereby PSAPs pursuing consolidation can request technical, financial, and project management assistance from the 911 Board and 911 Board staff.	911 Board 911 Board Staff PSAPs	On-going	B.4 E.2	Tech / Funding
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Engagement & Public Education Goal 9				2019 Board Goals	Committee
Implement outreach and public education programs to keep the public, NG911 stakeholders, and industry partners informed about the Board's NG911 efforts.					
Objective Number	Description	Ownership	Target Dates		
1	Develop an information sharing program to effectively communicate Board and Staff's vision, initiatives, and responsibilities for NG911.	911 Board 911 Board Staff	On-going	B.3 B.4 G	Tech / Stds Tech / Funding Educ / Stds
2	Update the Peer Review System to account for changes in PSAP operations and NG911.	911 Board 911 Board Staff PSAPs	On-going	C G	Staff / Stds Educ / Stds

Training Goal 10				2019 Board Goals	Committee
Establish statewide minimum training standards or rules that are consistent with NENA and APCO standards and best practices for all 911 Telecommunicators, in collaboration with 911 stakeholder groups.					
Objective Number	Description	Ownership	Target Dates		
1	Complete development of training standards and implement, in collaboration and consultation with 911 stakeholder groups.	911 Education Committee 911 Board 911 Board Staff	On-going	G	Educ / Stds
2	Create repository of training resources and best practices.	911 Education Committee 911 Board 911 Board Staff	On-going	C G	Staff / Stds Educ / Stds

2019 Board Goals

- A) Work with the General Assembly to update the State's 911 statutes to facilitate statewide deployment and adoption of Next Generation 911 services.
 - 1) December 31, 2019 [Completed, see SL 2019-200]
- B) Continue with NextGen 911 deployment and implementation of related operational components.
 - 1) Achieve 85% program inclusion with all primary PSAPs as users of the statewide NG911 system, with migration of minimum 25% of all primary PSAPs to the ESInet. December 31, 2019
 - 2) Build, equip, and operate the Network Management and Assistance Center (NMAC); train NMAC staff for Tier 1 and Tier 2 support to PSAPs. June 30, 2019 [NMAC operational and staffed August 2019] [143B-1402(a)(15)]
 - 3) Draft standards and rules for NextGen migration and sustainment. December 31, 2019 [143B-406(e)(1)]
 - 4) Establish path forward for primary, secondary, and not approved PSAPs. December 31, 2019
- C) Develop policy manual encompassing current open policies and identify other policies for development consideration. April 1, 2019 [143B-1402(c), Executive Committee]
- D) Implement enhancements of grant program processes.
 - 1) Adopt grant policy draft [Completed, implemented for current grant cycle 2020]
 - 2) Approve grant priorities [Completed, implemented for current grant cycle 2020]
 - i) NG911 expenditures (non-eligible, capital) (300)
 - ii) Support of Regional Initiatives (250) with focus on consolidations (500)
 - iii) Replacing End of Life Equipment (150)
 - iv) Approve grant draft cycle timeline to include grant applicant presentation.
- E) Develop a funding model for 911 service, NG911 service, PSAPs, and 911 Board operations. [143B-1406(c) Carryforward, ESInet migration and disbursement adjustments]
 - 1) Consider a prospective funding model vs rolling average method. [143B-1406(d)(4), 143B-1400(4) 911 System definition change includes ESInet]
 - 2) Review, revise, and update the eligible uses of 911 revenue and seek legislative changes as necessary to align with PSAP services in the NG911 environment.
 - 3) Improve and optimize the reimbursement process.
 - 4) Determine amount of excessive fund balances and address accordingly. December 31, 2019
- F) Update 911 Board By-Laws. December 31, 2019 [143B-1402(c), 143B-1400(3) State Plan]
- G) Complete development of training standards and implement, in collaboration and consultation with 911 stakeholder groups. Ongoing [143B-1400 (13a EMD def; 25a Regional PSAP def; 28a Telecommunicator def)]

H) Continue efforts for implementation of EMD for all PSAPs. Ongoing [143B-1402(a)(1) TERT; 143B-1402(a)(4) EMD & Telecommunicator training; 143B-1406(f)(4a) EMD telecommunicator certification; 143B-1406(f)(5b)(b) EMD telecommunicator training]

Committees / legislation and legislative change / rules & standards [added following SL 2019-200, 2019-214]

Committee	Legislation / SL 2019-200 Rules	Notes	2019 Board Goals (A – H)
Education	-1400(13a)	EMD definition	A
	-1400(17)	GIS definition	A
	-1400(25a)	Regional PSAP	A, E
	-1400(28a)	Telecommunicator	A
	-1402(a)(4)	Telecommunicator training	G, H, A
	-1405(a)(5)	CMRS reimbursement changes	
	-1406(e)	Migrate to ESInet by 1 July 2021	B, G
	-1406(f)(4a)	EMD implementation plans by 1 July 2019	H
	-1406(f)(5b)	Telecommunicator training (basic by 1 July 2019, EMD by 1 July 2020)	G
	-1406(h)	All local governments must participate in a 911 system; not a new requirement as this was part of GS Chap 62, 62A previously.	
Executive	-1402(a)(15)	NMAC policies, Executive Director role	
	-1402(c, d, e)	Staffing, policy development, bylaws	
Funding	-1400(25a) 06C.0203	Regional PSAP definition; consolidation policy Rule addresses changes in funding allocations based on termination of a PSAP or consolidation.	E
	-1402(a)(4)	Telecommunicator training costs	E, G
	-1402(a)(13)	Call data collection	
	-1404(b)	Board revenues up to 3.5%, budget development and policies.	

	-1405(a)(5)	CMRS reimbursement changes: Executive Director and financial staff.	
	-1405(c)	Grant and Statewide Project funds reallocation	
	-1406 Generally	Regional / Consolidations to focus on fiscal and operational efficiencies.	E
	-1406(c)	Carryforward: modify monthly distributions based on ESInet migration.	E
	-1406(d)(1) 06C.0103	Changes to addressing, cost reimbursement for addressing shifts to the Board as part of GIS call routing.	E, B
	-1406(d)(4)	Shifts costs from PSAPs' monthly distributions to ESInet costs paid directly by the Board; see -1406(e1), refer to Executive Director and financial staff.	E
Grant	-1404(b)	Funds allocated to grant program.	
Standards	-1400(13a)	EMD definition	H, G
	-1400(17)	GIS definition; call routing, replacing CAMA trunks with ESInet, MSAG	B
	-1400(28a)	Telecommunicator definition	A
	-1402(a)(4)	Telecommunicator training	A, G
	-1402(a)(13)	Call data collection	G, B
	-1402(a)(14)	NG 911 operational standards	G, H, B
	-1406(d)(1) 06C.0103	Changes to addressing, cost reimbursement for addressing. Rule defines Addressing: it's the same as used in GS Chap. 62A prior to creation of the current 911 Board.	G, E
	-1406(e)	Migrate to ESInet by 1 July 2021	B
	-1406(f)(4a)	EMD implementation plans by 1 July 2019	H
	-1406(f)(5a)	Text to 911 implementation plans by 1 July 2020	G
	-1406(f)(5b)	Telecommunicator training (basic by 1 July 2019, EMD by 1 July 2020)	G

Technology	-1400(17)	GIS definition; call routing, replacing CAMA trunks with ESInet, MSAG	B
	-1402(a)(13)	Call data collection	B
	-1402(a)(14)	NG 911 operational standards	B
	-1406(e)	Migrate to ESInet by 1 July 2021 Board to identify ESInet interconnection points by 1 July 2019	A, B

6 m)

Special Recognition

Eric Boyette

Pokey Harris

Tab 7 (2 Minutes)

Executive Committee Report

Donna Wright

Tab 8 (4 Minutes)

Education Committee Report

Mike Reitz/Angie Turbeville

Tab 9 (5 Minutes)

Funding Committee Report

David Bone/Marsha Tapler

9 a)

Seat Count Overflow Policy

Chuck Greene

(Vote Required)

9 b)

General Report

Overflow Position Policy

G.S. 143B-1406 requires distributions to primary PSAPs on a monthly basis to fund eligible operations and expenses of such operations. PSAP staffing, and work duty assignments, are made by local governments. It is the policy of the 911 Board to provide funding to primary PSAPs for achieving call taking metrics established by applicable rules and standards. Primary PSAPs may, from time to time, need to increase the number of personnel assigned, the number of call-taking positions, or other changes impacting positions within the primary PSAP. Non call-taking duties shall not be considered when determining staffing or positions. It is the further policy of the 911 Board to enable necessary changes by allocating funds as permitted by law for such necessary position changes.

A “position” refers to the workstation and other associated workspace attributes.

An “overflow position” refers to An operational telecommunicator position located within the primary PSAP that: i) is not staffed during regularly scheduled work shifts, ii) is staffed only upon demand when events or call volumes require staffing in addition to regularly scheduled work shifts, iii) malfunction or inoperability of a position, and iv) an overflow position is fully functional within the PSAP operations.

It is the policy of the 911 Board that each primary PSAP may receive funding for one overflow position. A primary PSAP may request funding associated with additional overflow positions. Prioritization of factors identified shall be determined by the Funding Committee and identified Factors for consideration of such requests include:

- a) demonstration of staffing needs and the PSAP’s analysis of the staffing needs as shown by industry recognized methods (e.g. as published by APCO, NENA, etc.), see e.g. 9 NCAC 06C.0208.
- b) comparison of similar PSAPs’ staffing, operations, levels of service, see e.g. 9 NCAC 06C.0211(a)(5).
- c) only call taking duties shall be considered when determining positions, see e.g. 9 NCAC 06C.0208(c), 06C.0208(e).
- d) PSAPs must demonstrate that staffing changes are necessary to meet the call taking rule; e.g. 09 NCAC 06C.0209(a) requires answering 90% of calls within ten seconds or less.
- e) other factors consistent with G.S. 143B-1406, 911 Board rules, and applicable laws.

Tab 10 (4 Minutes)

Finance Team Report

Marsha Tapler

Tab 11 (2 Minutes)

Grant Committee Report

Jeff Shipp/Pokey Harris

Tab 12 (4 Minutes)

Standards Committee Report

Donna Wright/Tina Gardner

Tab 13 (25 Minutes)

Technology Committee Report

Jeff Shipp/Gerry Means

13 a)

General Report

13 b)

AT&T and Intrado Status/Update

Tab 14 (5 Minutes)

911 Regional Coordinator

Reports

Tina Gardner/Angie Turbeville

Tab 15 (45 Minutes)

Sandy Hook Promise Foundation

Presentation

Say Something Anonymous Reporting System (SS-AARS)

Sandy Hook Promise Foundation

Staff/DPI Staff

Tab 16 (2 Minutes)

Other

Adjourn

SEPTEMBER 2019 COMMITTEE MEETINGS

Phillips Building Training Room, 109 East North Street, Raleigh
(Unless otherwise noted.)

- ❖ October 08 – Technology Committee
- ❖ October 10 – Education Committee
- ❖ October 17 – Funding Committee
- ❖ October TBD – Standards Committee

SEPTEMBER 2019 BOARD MEETING

Friday, October 25, 2019 – TBD as 3514 Bush Street or WebEx

LOGISTICS FOR FUTURE BOARD MEETINGS ARE UNDERWAY - WATCH INBOX AND/OR WEBSITE FOR DETAILS

