



Federal Communications Commission
Washington, D.C. 20554

Approved by OMB
3060-1122
Expires: March 31, 2018
Estimated time per response: 10-55
hours

Annual Collection of Information

Related to the Collection and Use of 911 and E911 Fees by States and Other Jurisdictions

Pursuant to OMB authorization 3060-1122 , the FCC's Public Safety and Homeland Security Bureau seeks the following specific information in order to fulfill the Commission's obligations under Section 6(f)(2) of the NET 911 Act:

A. Filing Information

1. Name of State or Jurisdiction

State or Jurisdiction
State of North Carolina

2. Name, Title and Organization of Individual Filing Report

Name	Title	Organization
Richard Taylor	Executive Director	North Carolina 911 Board



Federal Communications Commission
Washington, D.C. 20554

B. Overview of State or Jurisdiction 911 System

1. Please provide the total number of active Public Safety Answering Points (PSAPs) in your state or jurisdiction that receive funding derived from the collection of 911/E911 fees during the annual period ending December 31, 2014:

PSAP Type ¹	Total
Primary	121
Secondary	6
Total	127

2. Please provide the total number of active telecommunicators² in your state or jurisdiction that were funded through the collection of 911 and E911 fees during the annual period ending December 31, 2014:

Number of Active Telecommunicators	Total
Full-Time	Telecommunicators are not funded with 911 fees
Part-time	Telecommunicators are not funded with 911 fees

¹ A Primary PSAP is one to which 911 calls are routed directly from the 911 Control office. A secondary PSAP is one to which 911 calls are transferred from a Primary PSAP. See National Emergency Number Association, Master Glossary of 9-1-1 Terminology (*Master Glossary*), July 29, 2014, at 118, 126, available at https://c.ymcdn.com/sites/www.nena.org/resource/resmgr/Standards/NENA-ADM-000.18-2014_2014072.pdf.

² A telecommunicator, also known as a call taker or a dispatcher, is a person employed by a PSAP who is qualified to answer incoming emergency telephone calls and/or who provides for the appropriate emergency response either directly or through communication with the appropriate PSAP. See *Master Glossary* at 137.



Federal Communications Commission
Washington, D.C. 20554

3. For the annual period ending December 31, 2014, please provide an estimate of the total cost to provide 911/E911 service in your state or jurisdiction.

Amount (\$)	\$56,047,904
----------------	--------------

- 3a. If an amount cannot be provided, please explain why.

4. Please provide the total number of 911 calls your state or jurisdiction received during the period January 1, 2014 to December 31, 2014.

Type of Service	Total 911 Calls
Wireline	1,738,215
Wireless	5,087,289
VoIP	470,147
Other	
Total	7,295,651

C. Description of Authority Enabling Establishment of 911/E911 Funding Mechanisms

1. Has your State, or any political subdivision, Indian tribe, village or regional corporation therein as defined by Section 6(f)(1) of the NET 911 Act, established a funding mechanism designated for or imposed for the purposes of 911 or E911 support or implementation (please include a citation to the legal authority for such mechanism)? *Check one.*



Federal Communications Commission
Washington, D.C. 20554

- Yes
- No

1a. If yes, provide a citation to the legal authority for such a mechanism.

N.C.G.S. § 62A-43

1b. If yes, during the annual period January 1 - December 31, 2014, did your state or jurisdiction amend, enlarge, or in any way alter the funding mechanism.

Yes, funding for qualified secondary PSAPs through the associated Primary PSAP was instituted in January 2014.

2. Which of the following best describes the type of authority arrangement for the collection of 911/E911 fees? Check one.

- The State collects the fees
- A Local Authority collects the fees
- A hybrid approach where two or more governing bodies
(e.g., state and local authority) collect the fees



Federal Communications Commission
Washington, D.C. 20554

3. Describe how the funds collected are made available to localities.

N.C.G.S. § 62A-46 ; Funds are distributed to PSAPs monthly based on a formula of a 5 year rolling average of eligible 911 expenses reported by the individual PSAPs.

D. Description of State or Jurisdictional Authority That Determines How 911/E911 Fees are Spent

1. Indicate which entities in your state have the authority to approve the expenditure of funds collected for 911 or E911 purposes.		
Jurisdiction	Authority to Approve Expenditure of Funds <i>(Check one)</i>	
	Yes	No
State	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Local <i>(e.g., county, city, municipality)</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1b. Please briefly describe any limitations on the approval authority per jurisdiction (e.g., limited to fees collected by the entity, limited to wireline or wireless service, etc.)		
Limited to 911 fees distributed to the PSAPs from the NC 911 Board		

2. Has your state established a funding mechanism that mandates *how* collected funds can be used? *Check one.*

- Yes
- No



Federal Communications Commission
Washington, D.C. 20554

2a. If you checked YES, provide a legal citation to the funding mechanism of any such criteria.

N.C.G.S. § 62A-43(c)

2b. If you checked NO, describe how your state or jurisdiction decides how collected funds can be used.

E. Description of Uses of Collected 911/E911 Fees

1. Provide a statement identifying with specificity all activities, programs, and organizations for whose benefit your state, or political subdivision thereof, has obligated or expended funds collected for 911 or E911 purposes and how these activities, programs, and organizations support 911 and E911 services or enhancements of such services.

The NC 911 Board provides funding of the collected 911 fee totally for the support of E911 within the State of North Carolina. Funds collected were allocated during calendar year 2014 to 126 primary PSAPs, 6 secondary PSAPs for their costs of providing E911 services in their jurisdictions, six CMRS providers for cost recovery of providing E911, 10 PSAPs in grants for the enhancement of their 911 systems and to the administrative fund of the NC 911 Board to pay for the costs of administering the 911 fund.

In each allocation of collected 911 funds, the North Carolina general statutes clearly define that the expenditures must be in support of providing E911 services. Those expenditures are reviewed and approved by the 911 Board staff and the North Carolina State Auditor.



Federal Communications Commission
Washington, D.C. 20554

2. Please identify the allowed uses of the collected funds. Check all that apply.			
Type of Cost		Yes	No
Operating Costs	Lease, purchase, maintenance of customer premises equipment (CPE) (hardware and software)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Lease, purchase, maintenance of computer aided dispatch (CAD) equipment (hardware and software)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Lease, purchase, maintenance of building/facility	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Personnel Costs	Telecommunicators' Salaries	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Training of Telecommunicators	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Administrative Costs	Program Administration	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Travel Expenses	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dispatch Costs	Reimbursement to other law enforcement entities providing dispatch	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Lease, purchase, maintenance of Radio Dispatch Networks	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Grant Programs		<input checked="" type="checkbox"/> If Yes, see 2a.	<input type="checkbox"/>
2a. During the annual period ending December 31, 2014, describe the grants that your state paid for through the use of collected 911/E911 fees and the purpose of the grant.			



Federal Communications Commission
Washington, D.C. 20554

Rockingham County	PSAP Consolidation Rockingham Sheriff, Eden Police, Reidsville Police, Madison PD, Mayodan Police, Stoneville Police, Rockingham Fire, Rockingham EMS, Rockingham Co Rescue Squad
Brunswick County	PSAP Consolidation Brunswick and Oak Island
Lenoir County	PSAP Consolidation Lenoir Co and Jones Co for all law enforcement, EMS and fire depts within each county
Scotland County	PSAP Consolidation Scotland Co EMS and Laurinburg PD
Wilson County	911 Equipment Enhancement/Replacement Program
Anson County	911 Equipment Enhancement/Replacement Program
Bladen County	Backup Center
Henderson County	PSAP Relocation
Hertford County	PSAP Consolidation Hertford Co, Murfreesboro PD & Ahoskie PD
Swain County	911 Equipment Enhancement/Replacement Program
E-CATS	Emergency Call Tracking System
Ortho Project Image 13	Image 13 Eastern Piedmont 25 Counties (Orthoimagery Mapping)
Ortho Project Image 14	Image 14 Northern Piedmont 26 Counties (Orthoimagery Mapping)
Ortho Project Image 15	Image 15 Southern Piedmont 24 Counties (Orthoimagery Mapping)

F. Description of 911/E911 Fees Collected

1. Please describe the amount of the fees or charges imposed for the implementation and support of 911 and E911 services. Please distinguish between state and local fees for each service type.		
Service Type	Fee/Charge Imposed	Jurisdiction Receiving Remittance (e.g., state, county, local authority, or a combination)
Wireline	60 ¢	State of North Carolina
Wireless	60 ¢	State of North Carolina
Prepaid Wireless	60 ¢	State of North Carolina
Voice Over Internet Protocol (VoIP)	60 ¢	State of North Carolina
Other		



Federal Communications Commission
Washington, D.C. 20554

2. For the annual period ending December 31, 2014, please report the total amount collected pursuant to the assessed fees or charges described in Question F 1.

Service Type	Total Amount Collected (\$)
Wireline	\$8,809,556.60
Wireless	\$51,646,089.43
Prepaid Wireless	\$8,379,879.44
Voice Over Internet Protocol	\$9,325,720.91
Other	0.00
Total	\$78,161,246.38

- 2a. If an amount cannot be provided, please explain why.

3. Please identify any other sources of 911/E911 funding.

n/a



Federal Communications Commission
Washington, D.C. 20554

Question	Yes	No
4. For the annual period ending December 31, 2014, were any 911/E911 fees that were collected by your state or jurisdiction combined with any federal, state or local funds, grants, special collections, or general budget appropriations that were designated to support 911/E911/NG911 services? Check one.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4a. If Yes, please describe the federal, state or local funds and amounts that were combined with 911/E911 fees.		
<p>E911 funds were combined with general fund allocations from each of the 121 Primary PSAPs and 6 Secondary PSAPs to pay for expenses not allowed by NC General Statutes to provide for E911 services. Examples of expenses not allowed from collected 911 fees are telecommunicator salaries, facility maintenance, and radio network infrastructure.</p>		

5. Please provide an estimate of the proportional contribution from each funding source towards the total cost to support 911 in your state or jurisdiction.	Percent
State 911 Fees	78%
Local 911 Fees	0
General Fund - State	0
General Fund - County	20%
Federal Grants	0



Federal Communications Commission
Washington, D.C. 20554

State Grants	2%
--------------	----



Federal Communications Commission
Washington, D.C. 20554

Description of Diversion or Transfer of 911/E911 Fees for Other Uses

Question	Yes	No
1. In the annual period ending December 31, 2014, were funds collected for 911 or E911 purposes in your state or jurisdiction made available or used solely for purposes designated by the funding mechanism identified in Question 5? Check one.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1a. If No, please identify what amount of funds collected for 911 or E911 purposes were made available or used for any purposes other than the ones designated by the funding mechanism or used for purposes otherwise unrelated to 911 or E911 implementation or support, including any funds transferred, loaned, or otherwise used for the state's general fund. Along with identifying the amount, please include a statement identifying the non-related purposes for which the collected 911 or E911 funds were made available or used.		
Amount of Funds (\$)	Identify the non-related purpose(s) for which the 911/E911 funds were used. (Add lines as necessary)	



Federal Communications Commission
Washington, D.C. 20554

G. Oversight and Auditing of Collection and Use of 911/E911 Fees

Question	Yes	No
1. Has your state established any oversight or auditing mechanisms or procedures to determine whether collected funds have been made available or used for the purposes designated by the funding mechanism or otherwise used to implement or support 911? Check one.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1a. If yes, provide a description of the mechanisms or procedures and any enforcement or other corrective actions undertaken in connection with such auditing authority, for the annual period ending December 31, 2014. (Enter "None" if no actions were taken.)		
<p>N.C.G.S. § 62A-42(5) The NC 911 Board staff conducts an annual "Revenue/Expenditure Review" of each PSAP receiving 911 funds. Any expenditures identified as not an eligible 911 expense, the PSAP is required to reimburse the 911 Fund the amount determined ineligible.</p>		

Question	Yes	No
2. Does your state have the authority to audit service providers to ensure that the amount of 911/E911 fees collected from subscribers matches the service provider's number of subscribers? Check one.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2a. If yes, provide a description of any auditing or enforcement or other corrective actions undertaken in connection with such auditing authority, for the annual period ending December 31, 2014. (Enter "None" if no actions were taken.)		



Federal Communications Commission
Washington, D.C. 20554

--

H. Description of Next Generation 911 Services and Expenditures

Question	Yes	No
1. Does your state or jurisdiction classify expenditures on Next Generation 911 as within the scope of permissible expenditures of funds for 911 or E911 purposes? Check one.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1a. If yes, in the space below, please cite any specific legal authority:		
§ 62A-46(c)		

Question	Yes	No
2. In the annual period ending December 31, 2014, has your state or jurisdiction expended funds on Next Generation 911 programs? Check one.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2a. If yes, in the space below, please enter the dollar amount that has been expended.		
Amount (\$)	\$1,285,639	



Federal Communications Commission
Washington, D.C. 20554

3. For the annual period ending December 31, 2014, please describe the type and number of NG911 Emergency Service IP Network(s) (ESInets) that operated within your state.					
Type of ESInet	Yes	No	If Yes, Enter Total PSAPs Operating on the ESInet	If Yes, does the type of ESInet interconnect with other state, regional or local ESInets?	
				Yes	No
a. A single, state-wide ESInet	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
b. Local (<i>e.g.</i> , county) ESInet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	11	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Regional ESInets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Name of Regional ESInet:				<input type="checkbox"/>	<input type="checkbox"/>



Federal Communications Commission
Washington, D.C. 20554

4. Please provide a description of any NG911 projects completed or underway during the annual period ending December 31, 2014.

Johnston County 911 is implementing a local ESInet that will feature an LTE backup network. This ESInet will have interconnect capabilities with other ESInets in the state that are operated by Intrado

The North Carolina 911 Board issued a Request for Information (“RFI”) to gather information and statements of interest relating to design, development and implementation of a Next Generation 911 communications network throughout North Carolina. This was described as an Emergency Services Internet Protocol (IP) network (ESInet). In addition the RFI gathered information and statements of interest relating to systems having Next Generation 911 functionality that would use the ESInet to provide these services to Public Safety Answering Points (PSAPs). Responses were received from 13 diverse vendors and several were invited back to make presentations.

On December 2, 2014 the NC 911 Board issued an RFP for technical consultant support to create a plan that will meet current 911 needs, provide an ESInet IP backbone for NG911 applications, increase PSAP interoperability, and allow for an error free transition from the current e-911 environment to a Next Generation 911 environment for all primary PSAPs, secondary PSAPs, and backup PSAPs. The contract has been awarded and work will begin shortly. This plan will include issuance of an RFP for NG 911 functional capabilities. These Next Generation 911 functional capabilities are comprised of GIS operation supporting call routing, Hosted Call Processing, a Network Operations Center (NOC) and Help Desk, CAD interoperability for all PSAPs, and radio interoperability for all PSAPs. The 911 Board recognizes a likely interplay between its efforts and federal FirstNet development; however the planned RFPs are not intended to replace or supplant the State’s FirstNet effort. The NG911 system functions are to be open standards based and consistent with the National Emergency Number Association’s (NENA) i3 next generation standards, requirements, and best practices.

Question	Total PSAPs Accepting Texts
5. During the annual period ending December 31, 2014, how many PSAPs within your state implemented text-to-911 and are accepting texts?	38
Question	Estimated Number of PSAPs that will Become Text Capable
6. In the next annual period ending December 31, 2015, how many PSAPs do you anticipate will become text capable?	19



Federal Communications Commission
Washington, D.C. 20554

I. Description of Cybersecurity Expenditures

Question	Check the appropriate box		If Yes, Amount Expended (\$)
1. During the annual period ending December 31, 2014, did your state expend funds on cybersecurity programs for PSAPs?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	

Question	Total PSAPs
2. During the annual period ending December 31, 2014, how many PSAPs in your state either implemented a cyber security program or participated in a regional or state-run cyber security program?	3

Question	Yes	No	Unknown
3. Does your state or jurisdiction adhere to the National Institute of Standards and Technology <i>Framework for Improving Critical Infrastructure Cybersecurity</i> (February 2014) for networks supporting one or more PSAPs in your state or jurisdiction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



Federal Communications Commission
Washington, D.C. 20554

J. Measuring Effective Utilization of 911/E911 Fees

- 1. Please provide an assessment of the effects achieved from the expenditure of state 911/E911 or NG911 funds, including any criteria your state or jurisdiction uses to measure the effectiveness of the use of 911/E911 fees and charges. If your state conducts annual or other periodic assessments, please provide an electronic copy (*e.g.*, Word, PDF) of the latest such report upon submission of this questionnaire to the FCC or provide links to online versions of such reports in the space below.**

The North Carolina 911 Board is currently going through the rule making process to establish operational standards for the Primary PSAPs that receive 911 funding. Until those standards are formally adopted, the 911 Board utilizes the proposed standards as “best practices”. To date, no formal assessment has been conducted to measure compliance or effect. There are two major initiatives that are currently being used which does allow for a minimum review of 911 funding effectiveness, 1) measuring the call answer time of 90% of all 911 calls answered within 10 seconds, and 2) every PSAP have an established back up plan.

For measuring call answer times, the NC 911 Board utilizes the Electronic Call Analysis Tracking System (ECaTS). In January 2014, 33% of the PSAPs (42) were below the 10 second answer time of 90% of all 911 calls. In December 2014, that number had decreased to 23%. This indicates that better training, better equipment and more attention to performance was given as a direct result of 911 funding.

In the calendar year 2013, the NC 911 Board documented 62 hours of 911 outages that 911 calls were unanswered because of a lack of adequate back up plans being in place. As a result, the North Carolina General Assembly enacted legislation, S.L. 2014-66 that requires all Primary PSAPs to have an approved backup plan in place by July 1, 2016. As a result of the heightened awareness and the legislative mandate, the 2014 calendar year only had 38 hours of 911 outages. In 2013, only 25 of 127 Primary PSAPs had an approved backup plan and in December 2014, 5 PSAPs had their plans approved. The increase in approved plans along with the legislative mandate indicate another effective use of the 911 fee.