

New York State  
Interoperable and Emergency  
Communication Board  
2015 Annual Report

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**Homeland Security  
and Emergency Services**

**Interoperable and  
Emergency Communications**

This report has been prepared pursuant to Section 328 of the New York State County Law, which requires the New York State Interoperable and Emergency Communication Board to issue an annual report to the Governor and the temporary president of the Senate, the minority leader of the Senate, the speaker of the Assembly, and the minority leader of the Assembly on the Board's prior year activities.

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## **I. The State Interoperable and Emergency Communication Board**

The State Interoperable and Emergency Communication Board (the Board) is empowered under Section 328 of the New York County Law with the following select powers and duties:

1. Make recommendations to the Commissioner of the Division of Homeland Security and Emergency Services on the expenditure of grants and other funding programs related to interoperable and emergency communications;
2. Make recommendations related to the development, coordination and implementation of policies, plans, standards, programs and services related to interoperable and emergency communications, including but not limited to ensuring compliance with federal mandates for interoperable communications and compatibility with the national incident management system;
3. Establish structures and guidelines to maintain interoperable communications planning and coordination at the statewide level;
4. Establish, promulgate and revise standards for the operation of public safety answering points; and
5. Establish guidelines regarding the creation of regionally based radio communications systems compatible with the structures and guidelines consistent with federal mandates and best practices.

The 25 member Board is comprised of state agency heads, state legislative and executive appointee's representative of first responder organizations and experts in the field of interoperable and emergency communications. Members are appointed for a term of four years.

**A. Membership**

<b>NAME</b>	<b>AFFILIATION</b>	<b>APPOINTMENT</b>
<b><i>CHAIR</i></b>		
Robert M. Barbato	Director, Office of Interoperable and Emergency Communications	Exec. Law §717
<b><i>MEMBERSHIP</i></b>		
William Bleyle	9-1-1 Commissioner, Onondaga County	Executive
Joseph D'Amico	Superintendent, NYS Police	Ex-Officio
Eric Day	Director of Emergency Services, Clinton County	Executive
Margaret Miller	Chief Information Officer, NYS Office of Information Technology Services	Ex-Officio
William Hall	Chief of Police, City of North Tonawanda Police Department	Senate
Joseph Gerace	Sheriff, Chautauqua County	Executive
Michael C. Green	Commissioner, Division of Criminal Justice Services	Ex-Officio
John P. Melville	Commissioner, Division of Homeland Security and Emergency Services	Ex-Officio
Brian LaFlure	Director/Fire Coordinator, Warren County	Executive
Gary Maha	Sheriff, Genesee County	Senate
Matthew J. Driscoll	Commissioner, Department of Transportation	Ex-Officio
John Merklinger	Director, Monroe County Emergency Communications	Executive
Robert Morris*	Vice President, NY NJ Port Authority Police Benevolent Association	Senate
Maj. Gen. Patrick A. Murphy	Adjutant General, Division of Military and Naval Affairs	Ex-Officio

Kevin Revere	Emergency Manager, Oneida County	Senate
Richard V. Tantalo	Chief of Police, Irondequoit Police Department	Senate
Howard Zucker, MD	Commissioner, Department of Health	Ex-Officio
Michael K. Volk	Chief of EMS & Inter Ops Coordinator Westchester County Department of Emergency Services	Executive
James R. Voutour	Sheriff, Niagara County	Executive

\*Retired in 2015.

**B. Board Vacancies**

As of March 1, 2016, six seats on the Board are vacant. The vacancies comprise five State Assembly appointments and one State Senate appointment.

The SIEC Board met four times during the calendar year 2015. These meetings were held on: March 4th, May 27th, August 26th and November 17th. The meeting agendas can be found on DHSES website <http://www.dhSES.ny.gov/media/webcast.cfm>.

**C. Committees and Working Groups of the Board**

- The Communications and Interoperability Working Group consists of subject matter experts charged with addressing the tactical, operational, and strategic interoperability needs of public safety first responders by providing best practices for interoperability, within & between regions; identifying measurable outcomes/performance; planning for long-range sustainability; voicing the needs, requirements, and expectations of the public safety and emergency management communities; and clarifying the technical needs, standards, impact of mandates, and evolving technologies for public safety first responders in New York State.
- The 9-1-1 Advisory Committee (previously The 9-1-1 Standards Advisory Committee) is charged with assisting local governments, service suppliers, wireless telephone service suppliers and appropriate state agencies by facilitating the most efficient and effective routing of wireless 911 emergency calls; developing minimum standards for public safety answering points; promoting the exchange of information, including emerging technologies to include Next Generation 911; and encouraging the use of best practices and

standards among the public safety answering point community. This group is charged with developing a common internet protocol (IP) structure for the eventual connection of multiple Consortiums and Agencies in a State wide secure ESINET for interoperability and PSAP redundancy, in order to give participants a recommended framework to build from, with the least possible conflict with existing systems.

- The Channel Naming and Use Working Group is charged with identifying the various State and National Interoperable radio channels; establishing and/or clarifying the proper names and identification of these channels; and establishing the base line operational policies and procedures for the use of these channels, to support the interoperable communications needs of public safety responders in New York State.
- The State Agency Communications Working Group includes a select group of communications representatives from State Agencies and began meeting in 2015. The group provided insight into the issues that face each agency and shared best practices and expertise in interoperability challenges between counties and state agencies.
- The Public Safety Broadband Working Group is charged with advising the State Interoperable and Emergency Communication Board and the New York public safety community on matters such as FirstNet consultation; evolving standards development; public safety broadband grant status, including the State and Local Implementation Grant Program; the needs, requirements, and expectations of the public safety and emergency management communities for broadband; the deployment status of public safety broadband across the State; and promoting public safety broadband in the New York State public safety responder and secondary user communities.

## **II. The Statewide Interoperable Communications Grant Program**

As authorized by Article 26 of the Executive law, the New York State Division of Homeland Security and Emergency Services (DHSES), through its Office of Interoperable and Emergency Communications (OIEC), is designated as the principal State agency for interoperable and emergency communications issues. OIEC is responsible for implementing a grant program to facilitate the development, consolidation and operation of public safety communications systems which support statewide interoperability for first responders.

For public safety purposes, the United States Department of Homeland Security guidelines define *interoperability* as the ability of emergency responders to work seamlessly with other systems or products without any special effort. Radio communications interoperability specifically refers to the ability of emergency response officials to share information via voice and data on demand, in real time, when needed and as authorized. Communications (for routine operations and incident-driven interoperability) are assessed from a capability perspective; and would apply equally to all hazards.

The Statewide Interoperable Communications Grant (SICG) is a competitive grant and is funded by cellular surcharge revenue, pursuant to Section 186-f of New York State Tax Law. The first year appropriation was \$20 million, which was increased to the amount of \$45 million the following year, and then to \$75 million the next three years.

The SICG supports the growth of regional communications partnerships throughout the State. The partnerships, which are inclusive of local and state public safety agencies, will create interoperable emergency communications systems for first responders.

In 2014 there were 13 regional partnerships or consortiums, which encompassed about 40% of New York counties. There are now 10 consortiums, which through consolidation, have actually grown the size of individual consortiums and include all 57 counties and the City of New York. Governance protocols, standard operating procedures, training and exercises are being implemented through these entities.

During 2015, DHSES awarded \$60 million in PSAP and Round 4 SICG grant programs, from which there was widespread participation from counties. Since 2010, a total of \$285 million has been awarded to 57 counties and New York City through this program. The funding will be used to expand radio coverage by installing new equipment at towers and antenna sites; set up common interoperability channels and other local mutual-aid channels among public safety radio systems, consolidate emergency services dispatch centers, and deploy new technologies so that counties can link systems together.

Since the program's inception, DHSES conducted several competitive SICG solicitations for which there was widespread participation from counties.

In 2015, *Round 1 SICG* was closed. A total of \$20 million was awarded to 16 counties. The *Round 1* Grant helped first responders to communicate in two important ways. First, counties acquired and deployed new radio equipment having interoperability channels programmed into them. This equipment is also designed to be more efficient with radio spectrum in compliance with an FCC mandate that became effective January 2013. Second, the awards helped to expand radio coverage within and between counties, and improve connectivity between radio systems.

In 2015, a one year extension was granted for *Round 2*. For the *Round 2 SICG*, 49 counties responded (85% response rate), with the total amount of funding requested at over \$158 million. As expected, counties demonstrated significant needs for improving public safety communications and interoperability among multiple agencies and jurisdictions; and affirmed their commitment to the regional communication partnership approach. Using the total appropriation authority of \$102 million which was available at that time, 29 counties received awards by using the \$102 million allocated.

Budget/statutory amendments required that a specific amount within the Program be dedicated for Public Safety Answering Point (PSAP) purposes. As part of *Round 2*, \$9 million was dedicated for proposals relating to consolidation, operations and improvements, including next-generation technologies. For the PSAP Grant, 37 counties responded (64% response rate), with 24 applying for the consolidation and 13 applying for sustainment purposes. Eleven counties were awarded under the \$7 million portion allocated for consolidation purposes; and 13 counties were funded through the \$2 million portion allocated for sustainment.

As a result of the *Round 2* Grant, consortium boundaries have expanded and membership of a single consortium includes more counties than before, with the single goal of achieving interoperable communications on a larger scale and at the same time realizing expanded coverage for first responders. Counties' projects included improvements and/or development of microwave backbone (microwave network) connectivity between radio systems. A dedicated microwave network provides ability to connect counties' radio systems together. It would also provide the network for regional consortiums to link their member counties, as well as ability for regional consortiums to link systems for radio interoperability. In addition to radio connections, the microwave network would also provide a platform for sharing of data services, such as criminal justice data, remote sensors, DMV, and the Emergency Alert System. In the Adirondack Consortium, a microwave backbone is already operational.

One other significant accomplishment of this grant includes widespread implementation of standard operating procedures, training and exercises, and improved collaboration between counties and State agencies.

In 2015 a one year extension was granted to *Round 3* of the SICG. The third round of the SICG program, *Round 3 SICG*, used \$75 million appropriated in 2013-14 to continue the objectives from the previous round to expand regional partnerships, formalize governance, implement operating procedures between counties and agencies, and improve efficiency of emergency communications systems.

In addition, *Round 3* focused upon minimizing potential gaps in aligning technology acquisitions with operational use within regional consortiums. Recognizing this, eligibility was limited to counties which had not received SICG funding from the previous two rounds. Twenty-two of the eligible counties responded to the SICG (96% response rate), with the total amount of funding requested at nearly \$107 million. As expected, counties demonstrated significant needs for improving public safety

communications and interoperability among multiple agencies and jurisdictions; and affirmed their commitment to the regional communication partnership approach. The benefits of *Round 3 SICG* include expediting the capability within and between regions, and meeting resources needs among previously unfunded counties who are essential in fulfilling the expectations of partnering jurisdictions and agencies within their consortium.

Once again, budget/statutory amendments required that a specific amount within the Program be dedicated for Public Safety Answering Point (PSAP) purposes. As part of *Round 2*, \$9 million total was dedicated for proposals relating to consolidation, operations and improvements, including next-generation technologies. In this round of PSAP grant, 40 counties responded (69% response rate), with 33 applying for the consolidation and 25 applying for sustainment purposes. Fifteen counties were awarded under the \$7 million allocated for consolidation purposes; and 25 counties were funded through the \$2 million allocated for sustainment.

The 2014-15 budget appropriation, adjusted by the impact of the language contained in Chapter 52 of the Laws of 2014, provisioned \$10 million in reimbursement grants (PSAP Operations Grant) to counties for costs related to the operations of public safety dispatch centers and provisioned \$50 million in grants (SICG) to counties for the development, consolidation or operation of public safety communications systems or networks designed to support statewide interoperable communications for first responders.

The *2014-15 PSAP Operations Grant*, with \$10 million in funding is designed to support counties' existing operations, and also encourage the development of Next Generation 911 technologies, assure development of operational and procedural efficiencies and overall collaboration between different jurisdictions, such as other counties and state agencies.

This *2014-15 PSAP Operations Grant* was a non-competitive reimbursement grant program where funding was distributed by formula, however counties had to meet specific eligibility criteria. In 2014, all 57 counties and the City of New York (100% participation) submitted applications and met eligibility requirements of the grant program. The formula-based distribution utilized a precise mathematical formula with logic elements to calculate and distribute the available state grant funding to counties. Calculations reflected characteristics and objectives of the PSAP grant program and was based on quantifiable elements and denumerable components. The formula reflects the county's needs, based on specific factors and also balances the state's interests in developing reliable 911 structures throughout the state. Under contractual agreement, counties had one calendar year (2015) to submit claims for reimbursement of expenses eligible under this grant program.

During the year 2015, DHSES, in collaboration with the SIEC Board and other key-stakeholders, developed *Round 4 SICG* parameters for \$50 million in funding

available under this competitive grant program. The Request for Applications (RFA) was posted in the first quarter of 2015.

Also during 2015, The RFA for the 2015-16 PSAP Operations Grant, with \$10 million in funding, as a non-competitive reimbursement grant designed along the same lines as the previous successful PSAP Operations Grant, was put out to all 57 counties and the City of New York. All counties once again submitted applications and met the eligibility requirements for 100% participation.

### **III. County Consortiums/Partnerships**

A primary objective of the SICG program is to encourage the development of regional-based communications consortiums and partnerships. These serve as the framework by which statewide interoperability can be accomplished through a “network of networks” for local, State and other first-responder agencies.

Prior to the SICG program, consortium affiliations were rather diverse, and broadly-defined with purposes not exclusively for communications or interoperability (e.g.; UASIs), and many were not fully inclusive of agencies/stakeholders that crossed over jurisdictional boundaries.

After the first three rounds, these partnerships have become more refined affiliations focusing on communications and interoperability goals; and by definition more inclusive of other agencies and jurisdictions.

Addressing the need to work together with the State agencies, the New York State Police (NYSP) was identified as an active or potential participant among all applicants. The needs and interests of NYSP and other State agencies was widely acknowledged and incorporated in proposals.

This expansion and solidifying of consortiums/partnerships serves as the basis for sharing bandwidth, infrastructure and technology, but more importantly provides the operational, administrative and governance vehicle to make it effective. In 2015, the growth we expected to see, in consortiums, has occurred; consolidation and expansion of the consortiums really developed. A list of county consortium memberships can be found in Appendix C of this report.

#### **IV. Board Actions**

##### **A. Resolutions**

1. Resolution No. 2015-0826-01, pertaining to the Adoption of NYS Interoperability Channel Naming and Use Guidance for Frequency 45.88 MHz (LFIRE4D).
2. Resolution No. 2015-0826-02, pertaining to the Adoption of Revisions to the NYS Interoperability Channel Naming and Use Guide for the Frequency 155.370 MHz (NYLAW1)
3. Resolution No. 2015-0826-03, pertaining to the Adoption of Revisions to the NYS Interoperability Channel Naming and Use Guide for the Common EMS VHF-Radio Frequencies.
4. Resolution No. 2015-1117-01, pertaining to the Recommending to DHSES Consideration of Amendments to 21 NYCRR Part 5200.

These Board resolutions can be found in Appendix B at the end of this report and also at the following links:

<http://www.dhses.ny.gov/oiec/plans-policies-guidelines/documents/LFIRE4D-4588-Guideline.pdf>

<http://www.dhses.ny.gov/oiec/plans-policies-guidelines/documents/NYLAW1-REV1-Final.pdf>

<http://www.dhses.ny.gov/oiec/plans-policies-guidelines/documents/EMS-Naming-Guideline.pdf>

**B. Other Actions**

1. Reviewed drafted Interoperability Regulations and provided feedback.
2. The 9-1-1 Advisory Committee reviewed and brought to the Board for review updated 911 Standards. A Resolution was passed accepting the standards as amended following correction of clerical errors. Posting will occur in 2016.
3. A Proof of Concept scope was recommended and developed for ESInet Deployment in New York State.

**V. Summary:**

Regardless of scale, the crucial element in dealing with a crisis is the ability of responders to effectively communicate. The government's ability to fulfill this mission has been tested by many large-scale emergencies and disasters coming with increasing frequency and affect. This public safety mission is just as real every day for localized emergencies, whether they occur within or beyond the boundaries of a single jurisdiction.

Homeland Security Strategy on the national level has placed significant emphasis on interoperable public safety communications, and each state has been required to develop plans and demonstrate their capability to achieve interoperable communications on a statewide basis. New York State has continued to step up to the challenge and taken the responsibility for ensuring that there are adequate interoperable communications between the state and local level of government to protect first responders and the public they serve. Coordination and collaboration among all levels of government, disparate systems and multiple disciplines have been a significant challenge over the past decade. Effective communications are a top priority for all stakeholders with the gaps being located and focused on for the day when we can announce that New York State has interoperability. The State Interoperable and Emergency Communication Board serves in this capacity for the State of New York.

## **APPENDIX A – Grant Summaries**

**SICG Round 1 Summary**

***As of February 2, 2016***

<b>County</b>	<b>Award Amount</b>	<b>Brief Project Description</b>	<b>Vouchered</b>	<b>Balance</b>
<b>Cortland</b>	\$2,000,000	Equipment for new UHF system for Central New York radio consortium.	\$2,000,000	\$0
<b>Cortland</b>	\$2,000,000	Radio equipment for new countywide system to be connected to Central New York radio consortium.	\$2,000,000	\$0
<b>Delaware</b>	\$1,078,000	Installing new radio and microwave infrastructure, National Interoperability base stations.	\$1,021,300	\$56,650
<b>Essex</b>	\$2,000,000	Implementing a gateway and infrastructure solution to permit the counties in the consortium to link their radio systems together; and narrowband compliant mobile radios to integrate in their new radio system.	\$2,000,000	\$0
<b>Genesee</b>	\$228,309	Replacing non-compliant interoperability channel base stations, and new simulcast equipment permitting first responder interoperability.	\$228,309	\$0
<b>Greene</b>	\$893,000	Installing new radio and microwave infrastructure, National Interoperability base stations.	\$893,000	\$0
<b>Madison</b>	\$1,997,812	Equipment for new UHF system for Central New York radio consortium.	\$1,997,812	\$0
<b>Nassau</b>	\$877,729	Radios for local PDs/other responders to use county radio system, and other multiband radios for supervisors to communicate with Suffolk County.	\$877,729	\$0

<b>County</b>	<b>Award Amount</b>	<b>Brief Project Description</b>	<b>Vouchered</b>	<b>Balance</b>
<b>Niagara</b>	\$2,000,000	Is in the process of building a new UHF digital radio system. They will utilize their award to purchase subscriber radios, upgrade a tower site and refresh their PSAP.	\$2,000,000	\$0
<b>Onondaga</b>	\$331,446	Replacing non-compliant EMS ("MED Channel") equipment used to contact hospitals for medical reports & direction while en route to hospitals.	\$331,437	\$9
<b>Otsego</b>	\$1,128,000	Installing new radio and microwave infrastructure, National Interoperability base stations.	\$1,128,000	\$0
<b>Schoharie</b>	\$858,000	Installing new radio and microwave infrastructure, National Interoperability base stations.	\$858,000	\$0
<b>Steuben</b>	\$1,523,264	Converting existing system to digital to meet the narrowband deadline and installing National Interoperability base stations. The system upgrades will be keeping pace with neighboring counties and their systems.	\$1,523,256	\$8
<b>Sullivan</b>	\$1,198,000	Installing new radio and microwave infrastructure, National Interoperability base stations.	\$1,179,798	\$18,201
<b>Ulster</b>	\$978,000	Installing new radio and microwave infrastructure, National Interoperability base stations.	\$977,886	\$113
<b>Warren</b>	\$736,938	Implementing a gateway and microwave solution permitting counties to link their systems.	\$735,674	\$1,264
<b>Washington</b>	\$171,500	Implementing a gateway and microwave solution permitting counties to link their systems.	\$171,500	\$0
<b>Total</b>	<b>\$19,999,998</b>		<b>\$19,923,752</b>	<b>\$76,246</b>

**SICG Round 2 Summary**

***As of February 2, 2016***

<b>County</b>	<b>Award Amount</b>	<b>Brief Project Description</b>	<b>Vouchered</b>	<b>Balance</b>
Albany	\$6,000,000	Consolidation and upgrades to existing communication system. Deployment of system and technology to link surrounding regions and improve multi-jurisdictional response.	\$5,700,000	\$300,000
Chautauqua	\$6,000,000	Upgrades to existing VHF and UHF LMR system and radio equipment. Development of SOPs.	\$3,571,141	\$2,428,859
Chemung	\$6,000,000	Infrastructure and equipment upgrades of existing LMR system. Development of SOPs and training and exercise program.	\$5,080,245	\$919,755
Clinton	\$2,152,080	Build-out of a seamless wireless interoperable network for local & state public safety communication. New high speed, high capacity microwave network backbone components & LMR gateway equipment to support interoperability with surrounding counties.	\$800	\$2,151,280
Cortland	\$6,000,000	Infrastructure and equipment for P25 LMR system with full support of multiband interoperability channels. Improvements in coordination and operations with state agencies.	\$5,924,868	\$75,132

<b>County</b>	<b>Award Amount</b>	<b>Brief Project Description</b>	<b>Vouchered</b>	<b>Balance</b>
Delaware	\$3,404,000	Infrastructure and backbone developments, connectivity with adjacent counties. Development of interoperable infrastructure throughout the consortium.	\$746,434	\$2,657,566
Erie	\$830,405	Installation of gateway devices. Infrastructure equipment for development of multi-band Interoperable Communication Channels.	\$282,739	\$547,666
Essex	\$2,251,759	Additional infrastructure development. Expansion of P25 radio system to meet the needs of the consortium, state agencies and public safety agencies. Equipment upgrades and site development. Microwave upgrades to allow all necessary agencies the resources they need to become interoperable.	\$2,210,361	\$41,398
Genesee	\$5,435,095	Upgrade of existing 800 MHz system from a proprietary analog system to a fully digital, P25 system, with P25 Inter Radio Frequency Sub-System Interface (ISSI) interoperability and AES encryption for select users. New tower that will provide additional coverage in Genesee County and also serve as the gateway location for consortium partners to tie into Genesee County as a phased approach to allow roaming within the consortium.	\$5,435,095	\$0

<b>County</b>	<b>Award Amount</b>	<b>Brief Project Description</b>	<b>Vouchered</b>	<b>Balance</b>
Madison	\$4,194,189	Develop additional capacity and improvements for existing radio system. Expansion of interoperability amongst local, regional, and tribal mutual aid. Formalize governance and implement standard operating procedures within and between counties and other agencies.	\$2,869,990	\$1,324,199
Monroe	\$5,468,173	Enhancements to radio coverage and interoperability with surrounding counties and on the international border. Improvements in SOPs. Training and exercise programs.	\$5,465,327	\$2,846
New York City	\$3,543,309	Infrastructure and backbone developments and improvements. Build out of VHF National Interoperability Channels in addition to existing capabilities. Development of SOPs for wide area of interoperability.	\$3,543,309	\$0
Niagara	\$742,164	Implementation of additional end user equipment and technology to enhance the County's infrastructure. Additional radio equipment to enhance communications capabilities in larger structure incidents.	\$366,455	\$375,709
Onondaga	\$4,959,000	Infrastructure upgrades. Conversion to standard encryption protocols. Enhancements in training and the creation of a Field Operations Guide (FOG).	\$4,755,674	\$203,326

<b>County</b>	<b>Award Amount</b>	<b>Brief Project Description</b>	<b>Vouchered</b>	<b>Balance</b>
Ontario	\$2,202,885	Additional base stations to implement 700 MHz interoperability channels. Deployment of VHF base stations, providing the county with access to the primary dispatch frequencies of surrounding counties.	\$1,825,991	\$376,894
Orange	\$5,998,000	Microwave infrastructure solution to inter-connect to Hudson Valley Interoperability Communications Consortium (HVICC). Extension 700/800 MHz P-25 radio communications solution. Utilization of National, State & local public safety channels. Creation of Governance and Standard Operating Procedures & Protocols within the HVICC, including training, exercises and regional emergency responses which require inter-county public safety communications.	\$445,229	\$5,552,771
Orleans	\$2,000,000	Infrastructure and backhaul development. Improvements in governance, SOPs, and training programs to promote interregional communications.	\$1,940,000	\$60,000
Rensselaer	\$5,066,512	Implementation of National Interoperability capabilities in the county's infrastructure. Develop governance, SOP's and training standards.	\$2,677,652	\$2,388,860
Rockland	\$5,500,000	Infrastructure development, microwave connectivity and radio equipment to implement National Interoperability Channels.	\$1,883,000	\$3,617,000

<b>County</b>	<b>Award Amount</b>	<b>Brief Project Description</b>	<b>Vouchered</b>	<b>Balance</b>
Schoharie	\$433,500	Microwave connectivity and network equipment. Development of governance and interoperability channels.	\$74,867	\$358,633
Schuyler	\$4,271,900	Infrastructure development, implementation of VHF and UHF National Interoperability channels, development of radio system that supports all public safety providers, from local and state agencies.	\$3,535,210	\$736,690
Steuben	\$3,169,693	Enhancements to the interoperable communications infrastructure. Development of a long-term interoperable radio plan for fire and EMS services and recommend operating procedures.	\$2,132,532	\$1,037,161
Suffolk	\$6,000,000	Infrastructure developments, gateways and other radio equipment to link with neighboring county and other state entities. Development of SOPs.	\$3,564,840	\$2,435,160
Sullivan	\$841,833	Infrastructure and backbone developments, connectivity with adjacent counties. Development of interoperable infrastructure throughout the consortium.	\$444,176	\$397,657
Tioga	\$2,342,000	Infrastructure development, microwave connectivity. Development of SOPs and implementation of training and exercise programs.	\$0	\$2,342,000

<b>County</b>	<b>Award Amount</b>	<b>Brief Project Description</b>	<b>Vouchered</b>	<b>Balance</b>
Tompkins	\$2,854,312	Expansion of Radio Communications System to establish interoperability with adjoining counties/regions. Installation of base stations for National Mutual Aid Channels for UHF, VHF and 800MHz; build-out of tactical repeaters through the current and expanded microwave system; and deployment of UHF U-Call and tactical channels to facilitate communications with adjoining counties. Formalization of governance relationships on an inter-county multi-region basis and training.	\$1,249,661	\$1,604,651
Wayne	\$2,036,700	Improvements to the County's radio infrastructure. Development of the national interoperable channels. Development of governance, training and exercise documents.	\$1,729,009	\$307,691
Wyoming	\$1,771,236	Microwave connectivity and infrastructure equipment. Implementation of National Interoperability Channels.	\$1,283,312	\$487,924
Yates	\$531,255	Addition of VHF, UHF and 700/800MHz interoperability channels. Infrastructure improvements. Development of SOPs, training and exercise programs.	\$531,255	\$0
<b>Total:</b>	<b>\$102,000,000</b>		<b>\$69,269,171</b>	<b>\$32,730,829</b>

**SICG Round 3 Summary**

*As of February 2, 2016*

<b>County</b>	<b>Award Amount</b>	<b>Brief Project Description</b>	<b>Vouchered</b>	<b>Balance</b>
Allegany	\$5,951,039	The proposed project is to add eight tower locations to the current six in use today. There are significant gaps in coverage that the additional towers will enhance and at the same time allow our county the ability to have a direct "microwave link" to all of our surrounding county radio systems. This will include the counties we border in the State of Pennsylvania, who also operate on a "microwave IP based system" providing interstate communications. The additional towers will allow for future growth of an IP microwave system that will lead us toward a fully P25 based system that has adequate coverage, capacity and reliability across the entire jurisdiction of the county during both normal and emergency operations.	\$88,676	\$5,862,363

County	Award Amount	Brief Project Description	Vouchered	Balance
Broome	\$6,000,000	The purpose of this project is to provide infrastructure and networking capabilities for interoperable communications for all agencies operating in and around Broome County. To support interoperable communications, including National Interoperability Channels, this project includes the build out of additional tower sites and microwave connectivity to four surrounding counties. This project will include upgrades to both the PSAP Call Taking Processing Equipment and Radio Console Equipment ensuring continuity of operations and interoperability in the region. Broome County, in conjunction with the Southern Tier Consortium, will implement and exercise National Interoperability SOPs and establish MOU's between the counties and local agencies.	\$1,570,624	\$4,429,376

County	Award Amount	Brief Project Description	Vouchered	Balance
Cattaraugus	\$6,000,000	Cattaraugus County has begun work on an ASTRO P25 VHF Trunking Communications System designed by Motorola. The system will inner connect all disciplines county wide as well as inner connect with our consortium partners in an effort to provide flexibility in tailoring the features and functionalities to satisfy the unique operational needs of fire, EMS, and police first responders (SCIP Goal 2.1.3.3). This proposal will modify existing SOP's to improve incident response (SCIP Goal 2.1.3.2) and establish a governance board of all stake holders to coordinate interoperable communications initiatives (SCIP Goal 2.1.3.1). The proposed System will provide the required 95% mobile coverage using a frequency-efficient digital IP simulcast design.	\$1,074,292	\$4,925,708

County	Award Amount	Brief Project Description	Vouchered	Balance
Cayuga	\$5,251,690	The project includes infrastructure to meet National Interoperability with UTAC, VTAC, 8TAC equipment (SCIP 5.4.1); replace legacy consoles at the PSAP backup center (SCIP 5.3.1); enhance infrastructure protection with monitored surveillance equipment; upgrade to non-proprietary P-25 AES encryption (SCIP 5.3.1); close gap in PSAP recording capabilities to preserve communications platforms (SCIP 5.3); upgrade PSAP phone system to a NG-911 system and enhance/improve internal capabilities and consortium interoperability (SCIP 5.3.2); add redundancy and infrastructure to the radio system to enhance interoperability with NY State and mutual aid partners (SCIP 5.4.2 & 5.10); improve governance structure and formalize SOPs (SCIP 6.2 & 6.3).	\$2,767,535	\$2,484,155
Franklin	\$3,407,921	The overall goal of the project is the continued build out of the Franklin County Radio Interoperability Project. This project will give the fire, EMS, police and emergency personnel serving their community the ability to communicate during emergency situations.	\$1,816,406	\$1,591,515

County	Award Amount	Brief Project Description	Vouchered	Balance
Fulton	\$2,327,780	Fulton County seeks funds for a build-out of our current communications infrastructure. This multi-faceted project will further the goals of the New York State SCIP Plan and address SAFECOM guidance. Adding additional equipment to our infrastructure will extend the microwave backbone initiated by the Adirondack Regional Interoperable Communications Consortium (ARICC) that has grown to 11 counties that include Essex, Clinton, Franklin, Fulton, Hamilton, Herkimer, Montgomery, Saratoga, St. Lawrence, Warren and Washington). Our project will provide enhanced seamless interoperable communications throughout all public safety disciplines (police, fire, EMS) within the consortium and provide a road map for future linking of adjoining consortiums.	\$1,065,713	\$1,262,067
Hamilton	\$2,530,385	The overall goal of this project is to replace Hamilton County's communication equipment to provide the capability for interoperability within the county emergency services, with the ten other counties within our consortium, and with state agencies including DHSES. The current equipment was donated to Hamilton County after the 1980 Olympics in Lake Placid and is unable to support the requirements of our interoperability consortium. The goal is to update this equipment to meet SAFECOM requirements and provide interoperable communications as required by state and federal agencies. Section 1.3 of the narrative covers specific SCIP and SAFECOM standards to be addressed.	\$164,269	\$2,366,116

County	Award Amount	Brief Project Description	Vouchered	Balance
Herkimer	\$899,462	Herkimer County proposed project is to expand our current RF Coverage, Improve our current Microwave System and link the system into the Adirondack Consortium to the east and also into the Central NY Consortium to the west. The SICG would supply Herkimer County with a P25 VHF Trunking Backbone and would also greatly improve interoperability by installing National Interoperability Frequencies at our main communications sites. Herkimer County would also install an enhanced Communications Dispatch System at our County Dispatch Center.	\$198,126	\$701,336
Jefferson	\$6,000,000	Jefferson County's proposal provides for interoperable communications among public safety responders (Police, Fire, EMS, Highway) within Jefferson County as well as the contiguous member Counties of the Central New York Interoperable Communications Consortium. This proposal includes the construction of ten tower sites (out of 15 potential sites) with microwave connectivity between the sites and three neighboring counties and includes infrastructure to provide for the installation of the national interoperability communications channels at three of the ten sites and a County- provided open standards-based Project 25 (P25) regionally integrated, trunked land mobile radio network (TLMR).	\$69,025	\$5,930,975

County	Award Amount	Brief Project Description	Vouchered	Balance
Lewis	\$6,000,000	Construct a new regional 11 site, UHF band, P25 compliant, digital simulcast multijurisdictional LMR system for public safety use providing 95% county-wide portable & mobile radio coverage including a VHF paging system, microwave system, dispatch consoles & subscriber equipment compatible with neighboring CNYICC consortium systems. Integrate with local, state, tribal & federal agency systems. Develop and formalize governance/SOPs consistent with SWIC, NECP, NIMS, SAFECOM, PPD-8, update TICP, use CASM, to promote efficient interregional communications interoperability and cooperation. Verify capabilities and identify gaps through NIMS & HSEEP compliant training & exercises. (SCIP pp. xi-xiii, 25-38, 69,82; SAFECOM pp. 7-12,13-14,16-17,22-41)	\$4,940,007	\$1,059,993
Livingston	\$5,994,854	The County will develop a regional interoperable voice and data IP communications system that provides seamless first responder communications in a seven county area pursuant to NYS SCIP Section 2.1.3.3 (p25) and SAFECOM Priorities 4 and 5 (p7-8). The project will support every user in the County and interface with the six contiguous counties. Any state, federal or local emergency personnel using VHF, UHF, 700 or 800 radios will be able to be patched into the County's system. The project includes development of SOPs and training and exercises that support implementation of the new upgraded system and promote efficient interregional coordination and first responder readiness.	\$1,045,855	\$4,948,999

County	Award Amount	Brief Project Description	Vouchered	Balance
Montgomery	\$1,685,554	Montgomery's SICG project enhances the capabilities of PSIC equipment to eleven contiguous counties (Montgomery, St. Lawrence, Franklin, Clinton, Essex, Hamilton, Warren, Washington, Fulton, Saratoga and Herkimer throughout all public safety responder disciplines (police, fire, EMS) by allowing dispatchers to monitor an incoming vehicle when being summoned without having to be engaged on a specific channel and eliminating the human component of selecting tower sites. The ability to share microwave systems and have connectivity by all of these counties will enhance the interoperability communications for all agencies therefore supporting the goal of this Adirondack Interoperable Communication Consortium and the Department of Homeland Security.	\$1,356,100	\$329,454
Oswego	\$6,000,000	To complete the build-out of Oswego's federally established interoperability channels, establish connectivity between consortium counties, harden existing connectivity and TLMR assets, remove proprietary encryption for law enforcement, strengthen governance, training and execution of interoperable tactics within the region and to explore options and alternatives to multiple PSAPs by developing a plan for future growth and sustainability.	\$3,883,318	\$2,116,682

County	Award Amount	Brief Project Description	Vouchered	Balance
Saratoga	\$2,280,500	Saratoga County is the gateway to the NY Capital District area from the counties north to the Canadian border and as such the county can serve as a critical partner in the expansion of interoperability to the counties surrounding the Capital District. Saratoga County has invested heavily with its own capital funding to implement a new 800 MHz Radio system with multiple capabilities including digital P25 standards. Additionally the county has developed a 150MBs. digital microwave ring at 6 GHz. at multiple locations across the county. The county seeks to leverage those assets against potential grant dollars for access to the Adirondack Interoperability Consortium network by the implementation of new microwave paths to other members.	\$961,647	\$1,318,853
Seneca	\$6,000,000	Seneca's project will meet three goals: a) establish county-wide interoperable communications (IC); b) establish regional IC capability with the Finger Lakes Region New York Interoperable Communication Consortium and Cayuga County; and c) establish, develop, and formalize the governance framework and specific local agency SOPs for IC with one another and our regional and State agency partners. This project will build a three-tower county-wide conventional digital UHF simulcast radio system, including the purchase of new UHF mobile/portable radios for all Fire, EMS, and Law Enforcement agencies in Seneca County. In addition, it will allow for future expansion of the radio system to add other jurisdictions, trunking, and enhanced coverage.	\$3,909,624	\$2,090,376

County	Award Amount	Brief Project Description	Vouchered	Balance
St. Lawrence	\$2,679,690	St. Lawrence County seeks funds for both planning and build-out of public safety communication infrastructure. This multi-faceted project will further the SCIP and address SAFECOM guidance. Build-out will extend the microwave backbone initiated by the Adirondack Regional Interoperable Communications Consortium (ARICC) and provide connectivity with the Central New York Interoperable Communications Consortium (CNYICC). The County will move to NG911 and make updates to bridge intra- and inter-operability gaps. The planning portion of this project will provide a roadmap for the future as the County considers options for communications technology delivery platforms and best practices for ensuring interoperability with both consortiums.	\$548,368	\$2,131,322

County	Award Amount	Brief Project Description	Vouchered	Balance
Westchester	\$5,991,125	Westchester County is committed to following the guidance of SAFECOM and the NYS SCIP by building out infrastructure to support communication via VCALL/VTAC and 7CALL/7TAC National interoperability channels (NYS SCIP P. 110 10/31/11) and by enhancing the reliability of intra- and inter-County communication through construction of a Countywide and inter-County microwave backbone (SAFECOM Guidance Page 32 FY2013) to support interoperable communication systems. The projects will leverage the County's existing communications infrastructure and regional consortium partnerships to build robust systems to support interoperable communication for law enforcement, fire, EMS and emergency management in and around the County.	\$1,701,594	\$4,289,531
<b>Total:</b>	<b>\$75,000,000</b>		<b>\$27,161,181</b>	<b>\$47,838,819</b>

**SICG Round 4 Summary**

***As of February 2, 2016***

<b>County</b>	<b>Award Amount</b>	<b>Brief Project Description</b>	<b>Reimbursed</b>	<b>Balance</b>
Cayuga	\$2,525,492	Implement a new CAD/RMS/Mobile solution for all Public Safety agencies, including implementing AVL technology for Emergency Medical Services Agencies and applicable governance. Implementing / Enhancing the next generation 911 telephony system with a gateway between Cayuga and Oswego counties and applicable governance. Expanding National Interoperability infrastructure to four additional tower sites. Utilize a consultant to develop a 3 year training and exercise plan for Cayuga County and Consortium Partner County's and to enhance / update CASM participation for Cayuga County.	\$0	\$2,525,492

County	Award Amount	Brief Project Description	Reimbursed	Balance
Columbia	\$3,500,000	This project will develop and establish Governance, and SOP's with Federal, State, Consortium's Counties, and all in-county Agencies with the aid of a Consultant to achieve interoperability and complete a TICP. We will enhance our interoperability by building an interoperability radio system using the National Interoperability channels with the aid of new communications towers, microwave, shelters with generators, and equip our mobile communications unit with mobiles and a gateway for same. Interconnect with adjacent Counties/Consortiums for the purpose of interoperability, redundancy, and back-up.	\$0	\$3,500,000

County	Award Amount	Brief Project Description	Reimbursed	Balance
Dutchess	\$2,048,758	Dutchess County proposes to develop P25 Compliant Phase 2 Microwave Network. Infrastructure to provide connectivity with multiple Regional Partners. Provides the infrastructure for potential Broadband, Wi-Fi, and backhaul. Provide county/regional connectivity across disciplines including state agencies and regional PSAPs. Objectives include Training and Exercise, SAFECOM, Dual Consortium Membership, Radio Console Upgrade. Our goals include implementing a P25 Phase 2 microwave network, improving reliability, redundancy, and backhaul network, network improvements permit expansion capabilities, incorporating emerging technologies, IP Consoles and network for ad hoc connectivity across disciplines and state agencies, input information into CASM, TEP to ensure technology is appropriately utilized and Consortium participation to further develop governance.	\$0	\$2,048,758

County	Award Amount	Brief Project Description	Reimbursed	Balance
Erie	\$2,132,185	Our proposal is a multi-part project meeting both objectives. First, our PSAP project will include implementation of phase 2 Next Gen 911 mapping enhancements which were started under a previous grant. Additionally, this project will improve the capability and capacity of our recording system to accommodate 911 calls throughout the county by consolidating them into one platform. Secondly, our LMR project will focus on expanding our existing UTAC/VTAC/8TAC regional communications infrastructure, enhancing our interoperable communication and our Mutual Link capabilities at our Backup PSAP which also serves as the county EOC. Finally, we will retain services of a consultant to assist us with interoperable communications needs & goals.	\$0	\$2,132,185

County	Award Amount	Brief Project Description	Reimbursed	Balance
Essex	\$420,814	<p>The goal of the project is to improve interoperability within our consortium. The consortium is sharing communication sites and interoperability base stations. Essex County will be installing base stations on Belfry and Wells Hill. Franklin County will be adding a base station to Mt. Pisgah. Clinton County will be adding one to Terry Mountain, and Hamilton County will be covering the Gore Mountain Site. This plan will ensure that interoperability is met throughout our consortium without duplication of equipment and resources. The County also has to stabilize the tower at the Terry Mountain site. Strong winds move the tower which causes problems with microwave connectivity. The project meets Safecom requirements.</p>	\$0	\$420,814

County	Award Amount	Brief Project Description	Reimbursed	Balance
Genesee	\$3,065,120	Genesee County has built out a six-site, 800MHz, P25 Phase 2 System with VHF high band Fire / EMS paging. Genesee County wishes to continue its progression by connecting its system to Orleans, Monroe, and Ontario Counties as part of a regional public safety radio network, add an additional tower for fill-in coverage in the Town and Village of LeRoy which would also serve as a gateway point for Livingston County, upgrade its microwave network to full 50 MB/s bandwidth (upgradeable to 150 MB/s), install bi-directional amplifiers for United Memorial Medical Center and the Genesee County Jail, upgrade its infrastructure spares kit to meet regional needs, update CASM / TICP, and upgrade its existing CAD / Records Management System (CAD/RMS).	\$0	\$3,065,120

County	Award Amount	Brief Project Description	Reimbursed	Balance
Greene	\$3,500,000	<p>The proposed project will improve operational capacity within Greene County, link Greene and Columbia Counties' PSAP's to provide interoperable interfaces and PSAP redundancy and failover capabilities. Additionally this project will enhance the interoperable infrastructure and create the necessary backbone to link multiple consortiums together and strengthen the "system of systems" concept. This project will formalize existing, and create new, governance documents including SOP's and MOU's with state and local entities. This project will also provide a training program for all system users so they better understand interoperability and how to achieve operational efficiencies through it.</p>	\$0	\$3,500,000

County	Award Amount	Brief Project Description	Reimbursed	Balance
Livingston	\$3,500,000	<p>The County is currently designing the upgrade of its regional interoperable voice and data IP communications system. A Radio and Microwave Data Systems RFP was issued in April 2015. SICG 4 funding will help implement the upgrade and continued expansion and interoperability goals to meet first responder needs in a 7 county area. Any state, federal or local emergency personnel using VHF, UHF, 700 or 800 radios will be able to be patched into the County's system. The County will improve effectiveness of the governance structure and SOPs. The County will complete necessary training and exercises to ensure proper regional and state interoperability and coordination.</p>	\$0	\$3,500,000

County	Award Amount	Brief Project Description	Reimbursed	Balance
Madison	\$3,500,000	Madison County will (1) upgrade the 911 phone system to current NG911 standards,(2) create a Prime & Backup site at NYSP Oneida, (3) develop, implement & test governance & SOP's consistent with SAFECOM, NIMS & NYS SCIP, for interoperability within the county, the Central New York Interoperable Communications Consortium, Federal, State, Tribal, local entities through formal HSEEP compliant training & exercises. Infrastructure will be NENA-Compliant, IETF standards-based & IP based to allow maximum connectivity & backup service between counties & Federal, State, Tribal & other public safety partners, government & non-government entities & under-represented groups.	\$0	\$3,500,000

County	Award Amount	Brief Project Description	Reimbursed	Balance
Monroe	\$3,493,045	<p>Monroe continues to facilitate seamless regional interoperability (SICG obj) by enhancing its multi-jurisdictional, multi-level, multi-disciplinary P25, digital LMR system at FLNYRICC's core. Adding infrastructure to 5 vehicles and 3 sites addresses the SCIP PS Communication Evolution coverage requirement(p.6) with improvement on scene and at the western border while complying with the IFC501 and NFPA1221 95% in-building standard. Augmenting Monroe's nucleus system allows counties to work in tandem to effortlessly connect, achieving SCIP's network of network vision while exemplifying reliable, instantaneous 2-way voice communication(NECP p.8) to ensure operational effectiveness through coordination of communications capabilities.</p>	\$0	\$3,493,045

County	Award Amount	Brief Project Description	Reimbursed	Balance
Nassau	\$3,500,000	Nassau County's project will support development of governance, SOP's and IC infrastructure by hiring qualified consultants to develop comprehensive/long-term IC plans and procedures that align with SCIP/ SAFECOM guidance/priority's for Governance, SOP's, Technology, Training/Exercises and Usage (SCIP Goals: 3.3, pg 14; 5.1–5.5, pg15/SAFECOM #4-6, pg15-38); linking existing Nassau/Suffolk County trunked radio systems with P25 compliant equipment (SCIP Goal 6.1, pg16/SAFECOM #4.4, pg17); developing mutual aid channel access-UTAC/8TAC support equipment (SCIP Goal 7.1, pg17); and initiating migration of a 500MHz system to a NPSBN compliant 700MHz system.	\$0	\$3,500,000

County	Award Amount	Brief Project Description	Reimbursed	Balance
Oneida	\$3,500,000	Oneida County, a member of the Central New York Interoperable Communications Consortium (CNYICC), proposes to upgrade existing proprietary system infrastructure in Rome, Utica and the Town of New Hartford and legacy analog county infrastructure to a countywide P25 digital VHF two-zone simulcast system. The project will provide the County with an IP based PSAP at a primary and backup location, ISSI interoperable gateway connection to CNYICC counties, federal and state interoperability channels countywide, countywide IP network connectivity compliant with New York Network Common Internet Protocol and upgrade the legacy VHF analog infrastructure equipment for county fire and EMS to P25 digital capable simulcast.	\$0	\$3,500,000

County	Award Amount	Brief Project Description	Reimbursed	Balance
Putnam	\$3,500,000	Putnam County seeks to increase the efficiency, reliability and interoperability of our existing communications system by focusing on areas identified by an asset assessment conducted by the County's Radio Committee. We have identified our microwave system, tower capacity and interoperable radio equipment as being critical to improving communication between our federal/state and local partners. Our objective is to upgrade our current obsolete microwave system which will provide increased bandwidth and redundancy. The new system will be installed on additional towers increasing our coverage within Putnam County / adjacent Counties. To further enhance interoperability we will install NPSTC Repeater Channels at 9 tower locations.	\$0	\$3,500,000

County	Award Amount	Brief Project Description	Reimbursed	Balance
Rensselaer	\$3,500,000	<p>County has undertaken a large scale upgrade of its communications infrastructure at a total cost of \$17.1M. SICG 2 and SICG PSAP Enhancement awards provided partial funding for these projects. This application seeks funding to replace the obsolete 911 phone system with a NextGen 911 system, seeks additional funding for the new countywide 800 P25 System under contract with Motorola, provide additional interoperability bands and channels at additional sites and establish more detailed governance policies and procedures. When completed, all responders and associated agencies in the county will have full interoperability in the county and expanded access to the national interoperability channels. All this with the following goals in mind: Acquisition of a NexGen911 System in partnership with Albany Co and continue consolidation and improvements of dispatching operations; Add 700MHz, expand V,U and 8 National interoperability channel infrastructure; acquire ISSI technology with adjacent P25 Systems; additional funding support for the purchased Motorola P 25 800 MHz System that will cover all disciplines and add the ability to expand regionally; and develop communications, mapping, governance, training and SOP's with ARICC and County.</p>	\$0	\$3,500,000

County	Award Amount	Brief Project Description	Reimbursed	Balance
Saratoga	\$2,961,221	Saratoga County is requesting additional funding to expand on the more than \$1 million in Round 3 funding encumbered for projects that will improve interoperable communications between (ARICC) that align with SAFECOM and the NYS SCIP. Funding will improve critical infrastructure, and assist with the implementation of a fully shared CAD, Mobile, 911 solution with the ARICC. Improving communications by maximizing use of our P25 compliant interoperable communications system and providing public safety agencies within the ARICC, through co-locating equipment, seamless 911 communications. Increasing coverage by connectiing to new consortium members Albany, Schenectady and Rensselaer Counties to complete a consortium-wide path and implementing a shared NextGen 911 calling handling and Records Management solution in the County PSAP improving the ARICC.	\$0	\$2,961,221

County	Award Amount	Brief Project Description	Reimbursed	Balance
Schoharie	\$2,406,500	Schoharie County proposes to build a new microwave backbone using a licensed IP based transport that will provide a secure, reliable, resilient backhaul system. The system will be capable of supporting both voice and data, and will provide regional connectivity to the eight (8) members of the Catskill Consortium. The system will provide connectivity between the Consortium and the New York State Police Troop "G" Headquarters. This project will build on the Round 1 and Round 2 SICG funding and will continue to enhance emergency response, common governance, interoperability channels, inter-county and state agency microwave interconnect, and enhanced information and data resource development within and between the Consortium and the State.	\$0	\$2,406,500

County	Award Amount	Brief Project Description	Reimbursed	Balance
Steuben	\$2,946,865	Steuben County proposes to improve interconnection with Southern Tier Consortium partners to leverage a three-county public safety radio network for Interoperability. We will do this by: <ul style="list-style-type: none"> <li>• Providing additional P25 components to enhance our interoperability;</li> <li>• Providing additional fiber connections with partner agencies;</li> <li>• Implementing a P25 Simulcast VHF paging system for County Fire;</li> <li>• Purchasing additional subscriber units for the VHF System.</li> <li>• Providing for PSAP governance including provisions for a full-scale exercise.</li> </ul>	\$0	\$2,946,865
<b>Total:</b>	<b>\$50,000,000</b>		<b>\$0</b>	<b>\$50,000,000</b>

**2012 PSAP Grant Summary**

***As of February 2, 2016***

<b>County</b>	<b>Award Amount</b>	<b>Brief Project Description</b>	<b>Vouchered</b>	<b>Balance</b>
Allegany	\$155,954	This project will provide the County equipment for i3 based SIP technology enhancing telephony that will include text messaging and video conferencing. As a Voice over IP (VoIP) system the equipment that will be installed at the Primary and Backup Centers will allow for 'Hot Standby' redundancy. It will also allow for remote access using a Virtual Private network (VPN) from a mobile command point or in the event both the primary and backup centers must be evacuated. Aurora statistics software will ensure that all call counts and types are reported accurately and concisely.	\$155,954	\$0
Broome	\$988,662	Comprehensive upgrade of the Broome County Public Safety CAD system while simultaneously enabling a virtual consolidation of dispatch and records management between the Broome County PSAP and Binghamton University.	\$675,122	\$313,540
Cattaraugus	\$199,918	Upgrade of Licensed Standard Software along with the replacement of all required hardware to complete the upgrade. Replacement of servers that house CAD data and the upgrade of all product software. Large training program for dispatch staff on the use and new functionalities. Access of the MSP system to all local law enforcement agencies.	\$199,918	\$0

County	Award Amount	Brief Project Description	Vouchered	Balance
Chautauqua	\$93,515	The consolidation of the two centers into one, merging data sets, interconnecting radio, phone, alarm, and controls, updating operating procedures.	\$93,515	\$0
Chenango	\$74,051	Purchase 2D aerial imagery application/software to enhance the response capabilities of first responders.	\$67,753	\$6,298
Delaware	\$179,210	Hosted CAD solution to be shared among multiple counties within the Catskill Consortium. Infrastructure to support a common CAD and Mapping platform for the Catskill Consortium members.	\$146,635	\$32,575
Dutchess	\$63,892	Evaluation, design and implementation of electrical service upgrade to meet increased demands of technology in PSAP.	\$0	\$63,892
Erie	\$967,981	The ongoing system design replaces separate and distinct local PSAPs with a single networked PSAP and backup center. This design consolidates server hosting and 911 trunk delivery and provides a robust interconnected network to deliver calls to remote workstations. Enhancements to the county wide CAD system to facilitate multi-jurisdictional / multi discipline dispatch.	\$860,373	\$107,608
Franklin	\$365,000	Consolidation of the secondary PSAP's in Franklin County with Primary PSAP.	\$364,975	\$25

<b>County</b>	<b>Award Amount</b>	<b>Brief Project Description</b>	<b>Vouchered</b>	<b>Balance</b>
Hamilton	\$144,472	Equipping the Primary PSAP in Hamilton County to be a joint back-up facility for any other county within the Adirondack Regional Interoperability Consortium.	\$0	\$144,472
Jefferson	\$295,524	Upgrade 9-1-1 Telephony system at both the primary and back-up PSAP's in order to be prepared for NG-911 and to allow for interoperability between 9-1-1 systems of neighboring County and Federal PSAPs based upon Internet Protocol (IP) technology.	\$295,524	\$0
Lewis	\$808,615	Lewis County will implement new Computer-Aided Dispatch and Next-Gen compliant telephone systems for its PSAP. The county will partner with Jefferson and St. Lawrence Counties, each of which will use the same phone and CAD systems, to provide 911 backup and enhance interoperability.	\$707,345	\$101,270
Livingston	\$305,767	Upgrading the existing Radio Dispatch Consoles at both the Primary and Back Up PSAPs to a matched IP based system, establish a microwave IP link between the Primary PSAP, Back Up PSAP as well as establish microwave IP links to all radio transmitters and receivers.	\$27,945	\$277,822
Niagara	\$620,000	Upgrading PSAP dispatch software.	\$620,000	\$0

<b>County</b>	<b>Award Amount</b>	<b>Brief Project Description</b>	<b>Vouchered</b>	<b>Balance</b>
Onondaga	\$187,591	Updating County's GIS centerline files and computer-aided dispatch (CAD) system. Procurement of the necessary network storage devices to store/process the images/layers both from the CAD system and independently.	\$187,591	\$0
Orleans	\$133,090	Replacement of 911 call-center system and equipment with next generation technology.	\$133,090	\$0
Oswego	\$836,009	Construct a proposed telephone network with the capacity to seamlessly communicate with a system in Cayuga County, acting as a redundant resource in call processing, routing of overflow call volume and facilitate the efficient use of any combination of resources to effectively answer an emergency call.	\$688,862	\$147,147
Otsego	\$866,051	Provide a hosted CAD solution to be shared among multiple counties within the Catskill Consortium. Provide an infrastructure to support a common CAD and Mapping platform for the Catskill Consortium members.	\$161,746	\$704,305
Rensselaer	\$17,823	Rensselaer County is working with the Capital Region UASI to partner in the development of an interoperable CAD/RMS System. This CAD/RMS System is hosted by the City of Albany and has shared infrastructure for Albany, Rensselaer and Schenectady Counties. Rensselaer County will replace its obsolete CAD system with the installation of this new technology.	\$17,823	\$0

<b>County</b>	<b>Award Amount</b>	<b>Brief Project Description</b>	<b>Vouchered</b>	<b>Balance</b>
Suffolk	\$250,381	The project will consist of Suffolk County upgrading the existing Pictometry Oblique and Ortho Imagery so that our Public Safety Operations will have the most current aerial and oblique views of Suffolk County.	\$99,030	\$151,351
Sullivan	\$799,000	Consolidate existing primary and backup E911 telephone system technology which is nearing end of life.	\$299,707	\$499,293
Tioga	\$28,711	Enhance PSAP's capability to record all emergency communications. This goal will be achieved by the upgrade of our current recording software to a new version.	\$28,711	\$0
Warren	\$425,000	Implementation of a joint back-up PSAP facility for use by both Warren and Washington Counties in the event of a failure of either primary PSAPs. This facility will not be located in the same location as either of the primary PSAPs.	\$295,692	\$129,308
Wayne	\$193,783	Equipment necessary to couple with the Wayne County Public Safety Radio Interoperability Project, to form a complete, updated radio system. Replacement of Radio Dispatch Electronics, while increasing capacity; Replacement of Dispatch Center Workstations; Replacement of 911 Center Logging Recorder with a NG-911 capable unit.	\$193,783	\$0
<b>Totals</b>	<b>\$9,000,000</b>		<b>\$6,321,094</b>	<b>\$2,678,906</b>

**2013 PSAP Grant Summary**

***As of February 2, 2106***

<b>County</b>	<b>Award Amount</b>	<b>Brief Project Description</b>	<b>Vouchered</b>	<b>Balance</b>
Broome	\$89,253 Sustainment	Upgrading its New World Systems CAD. Consolidation will result in improved 911 call and resource management, and provide interoperable dispatch between the County and Binghamton University PSAPs. They seek funding for additional training expenses, computer and microwave hardware and related expenses not previously applied for. Training and equipment is critical to the successful implementation of the project.	\$53,606	\$35,647
Cattaraugus	\$89,253 Sustainment	Major upgrade to the current NICE Recording system. The latest NICE Inform system is NG9-1-1 Ready. The recording platform can record analog, digital, and VoIP traffic. NICE Systems is releasing its NENA i3 compatible logging interface for this system in 2014, which will support Text-to-9-1-1 capability.	\$89,253	\$0
Cayuga	\$584,234 Both Consolidation and Sustainment	Implement a new CAD, RMS, and Mobile system. These replacements will enhance's service, reliability and safety for State and local agencies. Utilizing RMS will eliminate disparate systems and improve secure records access.	\$0	\$584,234

County	Award Amount	Brief Project Description	Vouchered	Balance
Chautauqua	\$89,253 Sustainment	<p>This funding request will offset the charges by the local Telco for the circuits that deliver both landline and wireless 911 calls to the 911 Center. These charges were previously funded under the former NYS Local Enhanced Wireless 911 program.</p> <p>The goal in this project is to continue to provide the best 911 services to the residents of Chautauqua County by partially funding the day to day operational cost involved with the 911 circuits.</p>	\$74,849	\$14,404
Chemung	\$487,869 Consolidation	<p>Upgrading their radio communications system to a digital microwave network. They will share a tower with Schuyler County, allowing each County PSAP to serve as a radio back up for the other. The Vesta 4.0 system, because it is IP based, will also be carried on this radio network giving Schuyler and Chemung County access to each County's phone systems. This interoperability does not exist with the current phone system which is at end of life.</p>	\$74,806	\$413,063
Clinton	\$83,738 Sustainment	<p>The project is a planned replacement of 9-1-1 telephone system hardware and software. The CPE hardware is over five years old and will not support newer upgraded Windows OS platforms.</p>	\$83,738	\$0

County	Award Amount	Brief Project Description	Vouchered	Balance
Columbia	\$62,477 Sustainment	Replace a 911 logging recorder capable of Next Generation logging text to 911. The existing recorder has been in service since 2007 and is no longer supported by the manufacturer. The new recorder and NAS server will be placed into service at the Columbia County 911 Backup Center.	\$57,714	\$4,763
Cortland	\$89,253 Sustainment	Purchase the ESRI licenses to support new Spillman CAD system. This will sustain their ability to interface with other internal GIS data sources as well as GIS sources from other counties and jurisdictions. Work within the Street Address Mapping Standard (SAM) guidelines to ensure that New York State will have access to a high quality end product used for purposes such as disaster response at a regional level.	\$89,253	\$0
Erie	\$299,065 Consolidation	Funds will be used to purchase, configure and install dedicated microwave links between the County and the four major PSAPs in the county.. A full-featured UPS would be added to the 911 backup center. Purchase, install and maintain a high capacity GIS/Pictometry server system shared with all county PSAPs.	\$108,483	\$190,582
Essex	\$466,305 Consolidation	Essex County is partnering with Troop B of the NYS Police in consolidating all State Police Dispatch in the Troop B Region. Essex County's current technology is at the end of its useful life.	\$158,925	\$287,380

County	Award Amount	Brief Project Description	Vouchered	Balance
Genesee	\$89,253 Sustainment	Genesee County will upgrade its NWS public safety software to support the increased data, storage, and disaster recovery requirements. Train users on the new software and applications tailored to both local and regional needs. The county would also update its GIS operating systems, databases; address point data, street layer files, and response agency layers to meet new NENA / APCO NG 9-1-1 location data standards.	\$89,253	\$0
Greene	\$513,497 Consolidation and Sustainment	Replace the outdated 911 equipment with a new geo-diverse controller which will consolidate the three separate units into one redundant system while meeting Next-Gen standards. Reimburse the maintenance operations of all four PSAPs in our jurisdiction. Sustain the 911 telephone equipment, computer aided dispatch equipment and the uninterrupted power supply in the county 911 center as well as the three PSAP locations.	\$513,497	\$0

County	Award Amount	Brief Project Description	Vouchered	Balance
Livingston	\$89,253 Sustainment	Replacement and upgrade of computers, monitors, and software licenses at the Primary and Secondary PSAP locations, a multi-functional copier at the Primary PSAP; computers, monitors, server, and power supplies in the mobile command center; a plotter/scanner for printing and scanning maps used for PSAP support services located in the Planning Department; two additional new laptops for administrative monitoring of day-to-day PSAP operations, and, a Time Warner Cable (TWC) internet installation upgrade at the Sheriff's Office.	\$89,253	\$0
Madison	\$89,253 Sustainment	Sustainment of network connectivity for Madison County's use of the Central New York Interoperable Communications Consortium (CNYICC) Master Site for regional interoperability.	\$89,253	\$0
Monroe	\$89,240 Sustainment	Replacement of Monroe County's 911 workstations. This project will set the foundation for migration to NG911 as Monroe County 911 will be equipped with hardware infrastructure.	\$89,233	\$7
Nassau	\$89,253 Sustainment	Sustainment of the County's 911 operations. Specifically replace the existing UPS equipment that is at the end of its useful life with modern UPS equipment with technologically advanced features that allow for integrated monitoring features.	\$0	\$89,253

County	Award Amount	Brief Project Description	Vouchered	Balance
Niagara	\$82,387 Sustainment	Sustainment of existing technology becomes an even more pressing requisite as Niagara County became the PSAP for NYS Police Troop A Zone 1. As the conversion from home phones (land lines) to cell phones grows at an ever-increasing rate, the answering of cell calls, a large number from the three neighboring counties and Canada, will place an even greater demand on the technology and personnel within the Niagara County network.	\$82,387	\$0
NYC	\$500,000 Consolidation	This project will integrate an AVL solution with the CAD system. The NYPD will procure and implement AVL to establish and enhance citywide command and control of responding NYPD resources, and in the future, other City, State and Federal first responders.	\$498,061	\$1,939
Oneida	\$405,563 Consolidation	Due to the merger of the Town of New Hartford PSAP, the Oneida County PSAP, and the City of Utica PSAP specific equipment items are needed to facilitate seamless operations in dispatch. New servers required since the existing ones are being taxed due to the increased volume of 911 phone calls and radio traffic, activity lights at dispatch and call taker positions that indicate in-progress phone and radio transmissions, software improvements, equipment for a 911 call queue monitor.	\$0	\$405,563

County	Award Amount	Brief Project Description	Vouchered	Balance
Ontario	\$25,705 Sustainment	Utilize a third-party vendor, TCS Solutions, to provide the ability for the 911 Center to receive and respond to text messages from those citizens who utilize cellular devices from any of the four major cell providers in the region. Also purchase one smart board and laptop to more effectively provide trainings, including mandatory trainings, to our internal staff as well as staff members of surrounding county PSAPs.	\$8,369	\$17,336
Otsego	\$500,000 Consolidation	Enhance the PSAP by replacing the current analog 9-1-1 telephony system with a geodiverse (multi-site) telephony system that will provide fully integrated call handling that will facilitate bidirectional dispatch processes. This system will enable the primary PSAP to establish simultaneous communications connections with geographically remote PSAPs, including the secondary PSAP, and the PSAP in neighboring Delaware County. Geodiverse telephony provides the best flexibility in 9-1-1 redundant communications by allowing instantaneous transfer of 9-1-1 calls between PSAPs with automatic location and number identification.	\$0	\$500,000
Putnam	\$89,253 Sustainment	Replace the existing outdated radio consoles in the Putnam County 911 Dispatch Center and backup site with a new P25 standards based platform and the NG-911 architecture. The Motorola MCC-7500 IP Based Dispatch Console system was selected as a replacement.	\$89,253	\$0

County	Award Amount	Brief Project Description	Vouchered	Balance
Rensselaer	\$473,793 Sustainment	<p>Installation of a Point to Point Microwave connecting Rensselaer County to the Albany City Police Master Site for the CAD/RMS System. This microwave is established at the Rensselaer County 911 Center, Rensselaer County Office Building and City of Troy Police Station. This grant application seeks maintenance costs for the year.</p> <p>Rensselaer County is a partner with the Capital District Consortium in the implementation of this interoperable Hi Tech CAD/RMS System. This CAD/RMS System is hosted by the City of Albany and has shared infrastructure for Albany, Rensselaer and Schenectady Counties. Rensselaer County has replaced its obsolete Emergitech CAD system with the installation of this new technology. This new technology provides an efficient inter-municipal platform for interoperability.</p>	\$107,176	\$366,617

County	Award Amount	Brief Project Description	Vouchered	Balance
Rockland	\$89,253 Sustainment	Implement a new smartphone application, The PulsePoint, allows ordinary citizens trained in cardiopulmonary resuscitation (CPR) and willing to assist in the event of an emergency to be notified if someone nearby is having a cardiac emergency and may require CPR. Upon receiving a 9-1-1 call reporting an unconscious or unresponsive person likely needing CPR the 9-1-1 dispatcher simultaneous with the dispatch of advanced medical care will trigger an alert to all nearby citizens who have installed the PulsePoint application on their smartphone. When alerted, the application identifies the receivers current location, the location of the victim, and the location of any nearby Automated External Defibrillators (AEDs).	\$0	\$89,253

County	Award Amount	Brief Project Description	Vouchered	Balance
Saratoga	\$587,162 Consolidation and Sustainment	Consolidate with several towns including: City of Mechanicville, the City of Saratoga Springs and Waterford. Service will be improved by having one PSAP. Purchase enhanced GIS mapping capabilities and NEXTGen911 Software, 9-1-1 telephone equipment, ALI displays, call accounting equipment, record management systems and Microwave backhaul connectivity. Focus on upgrades necessary on the PSAP workstations both at our primary PSAP and backup PSAP including the replacement of all non-Windows 7 workstation computers, replacement and reconfiguring of all workstations computer monitors to include additional monitors at each position for dispatching and tracking calls for service and providing enhanced GIS based mapping capabilities. Upgrade and replace the hardware used by Desk Officers for interfacing with the 911 and radio system.	\$230,144	\$357,018
Schenectady	\$89,253 Sustainment	Pay for the ongoing cost of Data Tie Lines that connect the current four PSAPs which are being consolidated to the New County Unified Communications Center. This method of connection is only temporary as the County is applying for a Microwave Backbone which replaces this monthly recurring cost. Pay for the ongoing maintenance to the 911 Phone System. Schenectady County currently uses. This is the same 911 Phone System as Albany County which will be the backup center for Schenectady County.	\$76,790	\$12,463

County	Award Amount	Brief Project Description	Vouchered	Balance
Seneca	\$496,000 Consolidation	The proposed project will migrate the stand-alone legacy systems of Yates and Seneca counties to a sustainable, standards-based call taking platform that will be shared. The two County PSAPs will be interconnected to support geo-diverse call-routing of 911 callers by redirecting calls and corresponding data to either PSAP in the event that a facility is compromised. A user-friendly interface with highly configurable management capabilities will enhance 911 call taking, switching, rerouting and recording operations, stream lining overall workflow and call processing.	\$494,709	\$1,291
St. Lawrence	\$62,522 Sustainment	Purchase, install, provide training to dispatchers, and maintain the ProQA Fire Priority Dispatch System (FPDS) software. Integration of these protocols into day-to-day PSAP operations will ensure dispatch of the most appropriate responders and equipment, improve overall response time and enhance safety at the scene. Program maintenance and Quality Assurance/Quality Improvement protocols are part of the software design.	\$62,522	\$0

County	Award Amount	Brief Project Description	Vouchered	Balance
Sullivan	\$584,887 Consolidation and Sustainment	Consolidation of microwave connectivity both inter and intra County for not only Sullivan County's Public Safety Communication System but also those of our partner agencies including the New York State Police. This consolidated microwave network will also provide the opportunity for broadband initiatives from the NYS Broadband Office and the NTIA FirstNet program to utilize bandwidth within our future microwave network – eliminating the need for disparate microwave systems throughout Sullivan County. Our project goals include several PSAP upgrades.	\$0	\$584,887
Tompkins	\$500,000 Consolidation	Tompkins County will design, seek proposals, install and implement a 911 telephone system that links to an adjacent county's PSAP; eliminate the duplicative and outdated back-up center within the county; and establish and implement operating protocols and procedures that provide for the seamless movement of 911 telephone traffic on an overflow or emergency basis to a fully staffed back-up site in Cortland County. Current back-up and overflow processes and technologies are limited and subject to loss of calls and delayed processing.	\$500,000	\$0

County	Award Amount	Brief Project Description	Vouchered	Balance
Ulster	\$89,253 Sustainment	The project is two faceted. One is to provide comprehensive maintenance and updates on our NG 911 phone system, the other is to maintain a computer aided dispatch / records management system for the emergency services. Both of the systems are currently in place and must be sustained to ensure appropriate public access to emergency services, and a mechanism for those services to provide efficient and effective response capacity. This sustainment grant will allow us to guarantee these services.	\$58,304	\$30,949
Washington	\$500,000 Consolidation	Project will provide the 911 Center / PSAP with a NextGen 911 system, including phone RMS, replacing the current 9 year old 911 system that has reached its end of life. Additionally we will be sharing both equipment and resources, with our neighboring PSAP in Warren County, deploying a Geo-Diverse telephony solution. Funding will also ensure the upgrade of our interoperable dispatch console equipment to replace our 14 year old current equipment which has reached both its end of life and extent of available resources.	\$500,000	\$0
Wayne	\$89,253 Sustainment	Replacement of the primary 911 Center Logging Recorder with a NG-911 capable unit, supported by its manufacturer and replacement of the backup 911 Center Logging Recorder, that is currently non-operational, with a NG-911 capable unit, supported by its manufacturer.	\$89,253	\$0

County	Award Amount	Brief Project Description	Vouchered	Balance
Yates	\$555,267 Consolidation and Sustainment	The proposed project will migrate the stand-alone legacy systems of Yates and Seneca counties to a sustainable, standards-based call taking platform that will be shared. The two County PSAPs will be interconnected to support geo-diverse call-routing of 911 callers by redirecting calls and corresponding data to either PSAP in the event that a facility is compromised. A user-friendly interface with highly configurable management capabilities will enhance 911 call taking, switching, rerouting and recording operations, stream lining overall workflow and call processing.	\$530,102	\$25,165
<b>Totals</b>	<b>\$9,000,000</b>		<b>\$4,988,186</b>	<b>\$4,011,814</b>

**2014-15 PSAP Operations Grant Summary**

*As of February 2, 2016*

County	Award Amount	Vouchered	Balance
Albany	\$205,465	\$205,465	\$0
Allegany	\$165,914	\$126,939	\$38,975
Broome	\$200,182	\$200,182	\$0
Cattaraugus	\$179,784	\$177,380	\$2,404
Cayuga	\$168,619	\$168,619	\$0
Chautauqua	\$188,236	\$188,236	\$0

<b>County</b>	<b>Award Amount</b>	<b>Vouchered</b>	<b>Balance</b>
Chemung	\$180,464	\$178,740	\$1,724
Chenango	\$174,953	\$3,648	\$171,305
Clinton	\$153,949	\$153,949	\$0
Columbia	\$160,221	\$160,221	\$0
Cortland	\$174,670	\$174,670	\$0
Delaware	\$117,264	\$115,764	\$1,500
Dutchess	\$169,410	\$0	\$169,410
Erie	\$210,388	\$210,388	\$0
Essex	\$181,398	\$181,398	\$0
Franklin	\$181,880	\$180,997	\$883
Fulton	\$194,039	\$194,039	\$0
Genesee	\$178,771	\$178,771	\$0
Greene	\$151,468	\$147,049	\$4,419
Hamilton	\$165,040	\$165,040	\$0
Herkimer	\$202,926	\$202,926	\$0
Jefferson	\$192,240	\$192,240	\$0
Lewis	\$182,637	\$182,637	\$0
Livingston	\$169,874	\$169,874	\$0
Madison	\$160,933	\$160,933	\$0
Monroe	\$234,317	\$234,317	\$0

<b>County</b>	<b>Award Amount</b>	<b>Vouchered</b>	<b>Balance</b>
Montgomery	\$161,128	\$161,128	\$0
Nassau	\$140,437	\$138,914	\$1,523
Niagara	\$189,204	\$161,204	\$28,000
NYC	\$192,313	\$192,309	\$4
Oneida	\$222,396	\$221,804	\$592
Onondaga	\$195,771	\$195,771	\$0
Ontario	\$153,455	\$60,838	\$92,617
Orange	\$180,272	\$180,272	\$0
Orleans	\$134,050	\$134,049	\$1
Oswego	\$180,517	\$180,517	\$0
Otsego	\$161,700	\$155,460	\$6,240
Putnam	\$127,915	\$127,915	\$0
Rensselaer	\$176,560	\$79,271	\$97,289
Rockland	\$198,875	\$198,875	\$0
Saratoga	\$165,862	\$165,862	\$0
Schenectady	\$167,970	\$41,072	\$126,898
Schoharie	\$144,752	\$144,704	\$48
Schuyler	\$118,716	\$118,715	\$1
Seneca	\$167,119	\$156,216	\$10,903
St. Lawrence	\$162,596	\$119,499	\$43,097

<b>County</b>	<b>Award Amount</b>	<b>Vouchered</b>	<b>Balance</b>
Steuben	\$188,793	\$188,793	\$0
Suffolk	\$168,290	\$168,290	\$0
Sullivan	\$161,772	\$161,772	\$0
Tioga	\$171,971	\$171,971	\$0
Tompkins	\$150,506	\$150,506	\$0
Ulster	\$162,798	\$162,798	\$0
Warren	\$174,787	\$174,787	\$0
Washington	\$186,194	\$186,056	\$138
Wayne	\$169,703	\$169,703	\$0
Westchester	\$164,751	\$164,751	\$0
Wyoming	\$157,216	\$157,216	\$0
Yates	\$156,569	\$155,562	\$1,007
<b>TOTALS</b>	<b>\$10,000,000</b>	<b>\$9,201,024</b>	<b>\$798,976</b>

**2015-16 PSAP Operations Grant Summary**

***As of February 2, 2016***

<b>County</b>	<b>Award Amount</b>	<b>Vouchered</b>	<b>Balance</b>
Albany	\$233,382	\$0	\$233,382
Allegany	\$161,547	\$0	\$161,547
Broome	\$209,703	\$0	\$209,703
Cattaraugus	\$172,605	\$0	\$172,605
Cayuga	\$170,907	\$0	\$170,907
Chautauqua	\$178,323	\$0	\$178,323
Chemung	\$188,222	\$0	\$188,222
Chenango	\$170,855	\$0	\$170,855
Clinton	\$141,883	\$0	\$141,883
Columbia	\$160,509	\$0	\$160,509
Cortland	\$151,001	\$0	\$151,001
Delaware	\$154,732	\$0	\$154,732
Dutchess	\$165,211	\$0	\$165,211
Erie	\$209,112	\$0	\$209,112
Essex	\$166,248	\$0	\$166,248
Franklin	\$170,387	\$0	\$170,387
Fulton	\$206,892	\$0	\$206,892

<b>County</b>	<b>Award Amount</b>	<b>Vouchered</b>	<b>Balance</b>
Genesee	\$187,377	\$0	\$187,377
Greene	\$151,052	\$0	\$151,052
Hamilton	\$127,582	\$0	\$127,582
Herkimer	\$197,534	\$0	\$197,534
Jefferson	\$198,520	\$0	\$198,520
Lewis	\$179,053	\$0	\$179,053
Livingston	\$167,362	\$0	\$167,362
Madison	\$158,368	\$0	\$158,368
Monroe	\$219,607	\$0	\$219,607
Montgomery	\$147,163	\$0	\$147,163
Nassau	\$137,286	\$0	\$137,286
Niagara	\$195,149	\$0	\$195,149
NYC	\$214,199	\$0	\$214,199
Oneida	\$207,580	\$0	\$207,580
Onondaga	\$206,016	\$0	\$206,016
Ontario	\$158,945	\$0	\$158,945
Orange	\$177,823	\$0	\$177,823
Orleans	\$133,385	\$0	\$133,385
Oswego	\$180,103	\$0	\$180,103
Otsego	\$157,260	\$0	\$157,260

<b>County</b>	<b>Award Amount</b>	<b>Vouchered</b>	<b>Balance</b>
Putnam	\$126,883	\$0	\$126,883
Rensselaer	\$177,913	\$0	\$177,913
Rockland	\$227,942	\$0	\$227,942
Saratoga	\$148,969	\$0	\$148,969
Schenectady	\$170,290	\$0	\$170,290
Schoharie	\$149,001	\$0	\$149,001
Schuyler	\$165,569	\$0	\$165,569
Seneca	\$166,635	\$0	\$166,635
St. Lawrence	\$178,002	\$0	\$178,002
Steuben	\$185,710	\$0	\$185,710
Suffolk	\$153,970	\$0	\$153,970
Sullivan	\$155,289	\$0	\$155,289
Tioga	\$160,339	\$0	\$160,339
Tompkins	\$149,235	\$0	\$149,235
Ulster	\$154,511	\$0	\$154,511
Warren	\$168,835	\$0	\$168,835
Washington	\$185,509	\$0	\$185,509
Wayne	\$171,874	\$0	\$171,874
Westchester	\$165,620	\$0	\$165,620
Wyoming	\$155,000	\$0	\$155,000

County	Award Amount	Vouchered	Balance
Yates	\$170,021	\$0	\$170,021
<b>TOTALS</b>	<b>\$10,000,000</b>	<b>\$0</b>	<b>\$10,000,000</b>

## **APPENDIX B – Board Resolutions**

**STATE INTEROPERABLE AND EMERGENCY COMMUNICATIONS BOARD**

**RESOLUTION ADOPTING  
NYS INTEROPERABILITY CHANNEL NAMING AND USE GUIDANCE FOR  
FREQUENCY 45.88 MHz**

**Resolution No. 2015-0826-01**

**WHEREAS**, pursuant to section 328(10) of the New York State County Law, the State Interoperable and Emergency Communication Board is empowered to make recommendations to the New York State Division of Homeland Security and Emergency Services related to the development, coordination and implementation of policies, plans, standards, programs and services related to interoperable and emergency communications; and

**WHEREAS**, the State Interoperable and Emergency Communication Board deems it appropriate to make a recommendation to the New York State Division of Homeland Security and Emergency Services regarding establishing guidelines for the Name and Use of the frequency 45.88 MHz (LFIRE4D) in the State of New York.

**NOW THEREFORE, BE IT RESOLVED**, that the State Interoperable and Emergency Communication Board hereby adopts the recommendation of the State Communications Interoperability Working Group, that the Division of Homeland Security and Emergency Services implement the Guidelines for the Name and Use of the frequency 45.88 MHz in New York State, a copy of which is attached hereto as Exhibit A.

**BE IT FURTHER RESOLVED** that this Resolution shall be in full force and effect from August 26, 2015.

**ADOPTED and APPROVED** by the State Interoperable and Emergency Communication Board at a meeting held on the 26<sup>th</sup> of August, 2015 at which a quorum was present and voted.

**State Interoperable and Emergency Communication Board**

**BY:** Robert M. Barbato  
**Robert M. Barbato, Chair**



Andrew M. Cuomo  
Governor

John P. Melville  
Commissioner, DHSES

Robert M. Barbato  
Director

COMMUNICATIONS GUIDELINE NUMBER 15-01  
**New York State Interoperability Channel Naming:  
45.88 MHz**

**Effective:** Immediately  
**Date issued:** Aug. 26, 2015

**Valid:** Until revoked or superseded  
**Revision:** 0 (Aug. 26, 2015)

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**SUMMARY:**

This document establishes a standard channel name and use for the frequency 45.88 MHz. in New York State. This frequency will be known as **LFIRE4D**, and is designated in the National Interoperability Field Operations Guide (NIFOG v1.5) as a Low-Band Interoperability channel for use by the Fire Service. This guideline is consistent with the technical parameters contained in the NIFOG and establishes the use of Continuous Tone-Coded Squelch System (CTCSS) for use in NYS.

**DESCRIPTION:**

The frequency **45.88 MHz** shall be named "**LFIRE4D**", (Pronounced "L-Fire-Four-Dee"). It is understood that the transition of new channel naming will take time. To facilitate this change all users should begin utilizing the **LFIRE4D** name and program visual displays in radio equipment with the name when possible. Agencies should notify their users of this channel name update so they become familiar with the new name and how it relates to the current appearance in their radios.

Consistent with existing practice, use of this frequency **is for use by the Fire Service (Federal, State, Local and Tribal) for fire service related interagency communications.**

A Federal Communications Commission (FCC) license or appropriate authorization from a licensee is required for mobile and/or portable radio use. An FCC license is required for all base station use.

**PERMITTED USES:**

- Fire Service, Inter-county coordination and Inter-agency communications.

**PROHIBITED USES:**

- Dispatching a single agency;
- Substitution for an internal agency operational channel;
- Single agency tactical communications;
- Non-Fire Service communications

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1220 Washington Avenue, State Office Building Campus  
Building 7A, Suite 710  
Albany, NY 12242

**TECHNICAL PARAMETERS:**

- **ALL RADIOS OPERATING ON THIS FREQUENCY SHALL TRANSMIT the Continuous Tone-Coded Squelch System (CTCSS) tone of 156.7 Hz.** Use of tone in the receiver is NOT required. In an effort to mask interference, users MAY choose to implement the CTCSS of 156.7 Hz. in a receiver, if affected by out-of-state users or other interference.
- Only analog transmissions are permitted.
- The use of a radio programed "time out timer" is mandatory, with transmissions not permitted to exceed 120 seconds (2 minutes) each.

**UNIT IDENTIFICATION:**

- Users shall identify their agency and unit number when initiating transmissions. (e.g. "Smith Fire- Engine-1 to Empire County Fire Control")
- Users shall utilize plain language when operating on LFIRE4D.

**MISUSE OF CHANNEL:**

Concerns regarding misuse of **45.88 MHz** should be reported to the New York State Division of Homeland Security and Emergency Services, Office of Interoperable and Emergency Communications.

(Email: [DHSES.OIEC@dhses.ny.gov](mailto:DHSES.OIEC@dhses.ny.gov) Phone: 518-322-4911)

**STATE INTEROPERABLE AND EMERGENCY COMMUNICATIONS BOARD**

**RESOLUTION ADOPTING  
REVISIONS TO THE NYS INTEROPERABILITY CHANNEL NAMING AND USE GUIDE  
FOR THE FREQUENCY 155.370 MHz**

**Resolution No. 2015-0826-02**

**WHEREAS**, pursuant to section 328(10) of the New York State County Law, the State Interoperable and Emergency Communication Board is empowered to make recommendations to the New York State Division of Homeland Security and Emergency Services related to the development, coordination and implementation of policies, plans, standards, programs and services related to interoperable and emergency communications; and

**WHEREAS**, the State Interoperable and Emergency Communication Board deems it appropriate to make a recommendation to the New York State Division of Homeland Security and Emergency Services regarding revisions to current guideline for the Name and Use of the frequency 155.370 MHz (NYLAW1) in the State of New York.

**NOW THEREFORE, BE IT RESOLVED**, that the State Interoperable and Emergency Communication Board hereby adopts the recommendation of the State Communications Interoperability Working Group, that the Division of Homeland Security and Emergency Services implement the revisions to the current guideline for the Name and Use of 155.370 MHz (NYLAW1) in New York State, a copy of which is attached hereto as Exhibit A.

**BE IT FURTHER RESOLVED** that this Resolution shall be in full force and effect from August 26, 2015.

**ADOPTED and APPROVED** by the State Interoperable and Emergency Communication Board at a meeting held on the 26th of August, 2015 at which a quorum was present and voted.

**State Interoperable and Emergency Communication Board**

BY: Robert M. Barbato  
Robert M. Barbato, Chair



Andrew M. Cuomo  
Governor

John P. Melville  
Commissioner, DHSES

Robert M. Barbato  
Director

COMMUNICATIONS GUIDELINE NUMBER 13-02  
**New York State Interoperability Channel Naming:  
155.370 MHz**

**Effective:** Immediately  
**Date issued:** April 2, 2014

**Valid:** Until revoked or superseded  
**Revision:** 1 (Aug. 26, 2015)

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**SUMMARY:**

This document establishes a standard channel name and use for 155.370 MHz in New York State. This frequency will be known as **NYLAW1** and remain a **law enforcement interoperability channel**. This guideline is consistent with existing use and the overall standardization of interoperability channels in New York State.

**DESCRIPTION:**

The frequency **155.370 MHz** shall be known as "**NYLAW1**" (Pronounced "Nye-Law-One"). It is understood that the transition of new channel naming will take time. To facilitate this change all users should begin utilizing the NYLAW1 name and program visual displays in radio equipment, with the name when possible. Agencies should notify their users of this channel name update so they become familiar with the new name and how it relates to the current appearance in their radios.

Consistent with existing practice, **use of this frequency is restricted to New York State recognized law enforcement agencies (Federal, State, Local and Tribal) for law enforcement related interoperable communications**. It is anticipated that FCC frequency coordinators will continue to assist in maintaining this dedicated use through the approval of only law enforcement applications. Non law enforcement agencies or users who are requesting an exception to the user requirement should contact the New York State Division of Homeland Security and Emergency Services, Office of Interoperable and Emergency Communications. Requests will be reviewed and granted or denied based on justified needs.  
(Email: [DHSES.OIEC@dhses.ny.gov](mailto:DHSES.OIEC@dhses.ny.gov) Phone: 518-322-4911)

**A Federal Communications Commission (FCC) license or appropriate authorization from a licensee is required for mobile, portable and base station use. A licensee may not authorize non-law enforcement users under their license without approval from the Office of Interoperable and Emergency Communications.**

**PERMITTED USES:**

- Law Enforcement Inter-agency communications of a tactical or operational nature.

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1220 Washington Avenue, State Office Building Campus  
Building 7A, Suite 710  
Albany, NY 12242

**PROHIBITED USES:**

- Dispatching a single agency;
- Substitution for an internal agency operational channel;
- Single agency tactical communications;
- Non-law enforcement communications;
- Routine NCIC or DMV type checks, unless related to a multijurisdictional incident.

**TECHNICAL PARAMETERS:**

- **ALL RADIOS OPERATING ON THIS FREQUENCY SHALL TRANSMIT the Continuous Tone-Coded Squelch System (CTCSS) tone of 110.9 Hz.** Use of tone in the receiver is NOT required. In an effort to mask interference, users MAY choose to implement the CTCSS of 110.9 Hz. in a receiver, if affected by out-of-state users or other interference.
- Only **analog, narrowband** transmissions are permitted.
- The use of a radio programed “**time out timer**” is mandatory, with transmissions not permitted to exceed 120 seconds (2 minutes) each.

**UNIT IDENTIFICATION:**

- Users shall identify their agency when initiating transmissions on NYLAW1 (e.g. “Empire County Sheriff Unit 241 to Any town Police K-9 Unit”).
- Users shall utilize plain language when operating on NYLAW1.
- Automatic Number Identification (ANI) is not required on this channel. It is discouraged to transmit a default radio unit ANI on this channel.

**JUSTIFICATION:**

Since established in the 1970s, the frequency 155.370 MHz has been reserved for law enforcement purposes. Through the years, it became known by many different names, leading to confusion in the end user community. As part of an overall review of interoperable channels, a working group of the State Interoperable and Emergency Communication Board recommended this standardized name. Additionally, specific usage and licensing guidelines were necessary to ensure its continued usefulness to law enforcement.

**MISUSE OF CHANNEL:**

Concerns regarding misuse of **NYLAW1** should be reported to the New York State Division of Homeland Security and Emergency Services, Office of Interoperable and Emergency Communications.

(Email: [DHSES.OIEC@dhses.ny.gov](mailto:DHSES.OIEC@dhses.ny.gov) Phone: 518-322-4911)

**STATE INTEROPERABLE AND EMERGENCY COMMUNICATIONS BOARD**

**RESOLUTION ADOPTING  
REVISIONS TO THE NYS INTEROPERABILITY CHANNEL NAMING AND USE GUIDE  
FOR THE COMMON EMS VHF-RADIO FREQUENCIES**

**Resolution No. 2015-0826-03**

**WHEREAS**, pursuant to section 328(10) of the New York State County Law, the State Interoperable and Emergency Communication Board is empowered to make recommendations to the New York State Division of Homeland Security and Emergency Services related to the development, coordination and implementation of policies, plans, standards, programs and services related to interoperable and emergency communications; and

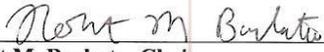
**WHEREAS**, the State Interoperable and Emergency Communication Board deems it appropriate to make a recommendation to the New York State Division of Homeland Security and Emergency Services regarding revisions to current guideline for the Name and Use of Common EMS VHF Radio Channels in the State of New York.

**NOW THEREFORE, BE IT RESOLVED**, that the State Interoperable and Emergency Communication Board hereby adopts the recommendation of the State Communications Interoperability Working Group that the Division of Homeland Security and Emergency Services implement the revisions to the current guideline for the Name and Use of Common EMS VHF Radio Channels in New York State, a copy of which is attached hereto as Exhibit A.

**BE IT FURTHER RESOLVED** that this Resolution shall be in full force and effect from August 26, 2015.

**ADOPTED and APPROVED** by the State Interoperable and Emergency Communication Board at a meeting held on the 26<sup>th</sup> of August, 2015 at which a quorum was present and voted.

**State Interoperable and Emergency Communication Board**

BY:   
**Robert M. Barbato, Chair**



Andrew M. Cuomo
Governor

John P. Melville
Commissioner, DHSES

Robert M. Barbato
Director

COMMUNICATIONS GUIDELINE NUMBER 13-03

New York State Interoperability Channel Naming: EMS Channels (VHF)

Effective: Apr. 2, 2014
Date issued: Apr. 2, 2014

Valid: Until revoked or superseded
Revision: 1 (Aug. 26, 2015)

SUMMARY:

This document establishes a standard channel naming plan for VHF-High Band channels utilized by the Emergency Medical Services (EMS) agencies in New York State.

DESCRIPTION:

The following frequencies have been renamed to create a statewide channel name standard.

Table with 4 columns: Frequency, New Name, Pronunciation, CTCSS. Rows include VSAR16, NYMED175, NYMED220, NYMED280, NYMED295, NYMED400, NYMED715, VMED28, and VMED29.

- (1) (VSAR16) Modified Aug-2015, to align naming and CTCSS with the national standard. NYS Federation of Search & Rescue Teams endorsed this change...
(2) National standard channel name as listed in the National Interoperability Field Operations Guide (NIFOG v1.5).
(3) Transmit tone of 156.7 Hz. as listed in the National Interoperability Field Operations Guide (NIFOG v1.5). Default operations should be carrier-squelch (CSQ) receive.

1220 Washington Avenue, State Office Building Campus
Building 7A, Suite 710
Albany, NY 12242

**IMPLEMENTATION:**

It is understood that the transition of new channel naming will take time. To facilitate this change all users should begin utilizing the new channel names and program visual displays in radio equipment with the names when possible. Agencies should notify their users of this channel name update so they become familiar with the new name and how it relates to the current appearance in their radios.

**LICENSED USE:**

**This guideline does NOT supersede the Federal Communications Commission (FCC) rules and regulations. An FCC license or appropriate authorization from a licensee is required for mobile and portable use and an FCC license if required for all base station use.**

***CAUTION:** Some of these frequencies are not for the exclusive use for EMS Communications, as they are licensed by other entities for their own operational purposes. Transient users of the frequencies operating in other areas of the state (during mutual-aid conditions) should avoid causing interference with other licensed users.*

**PERMITTED USES:**

- EMS Operations (Tactical, Ambulance to Ambulance, Ambulance to Hospital Communications)

**PROHIBITED USES:**

- Non-EMS, non-public safety related activities.

**TECHNICAL PARAMETERS:**

- Only analog, narrowband transmissions are permitted.
- The use of a radio "time out timer" is mandatory. This setting shall not exceed 120 seconds (2 minutes) each.<sup>4</sup>

**UNIT IDENTIFICATION:**

- Users shall identify their agency when initiating transmissions on these channels (e.g. "Acme EMS Unit 123 to Any town Hospital").
- Users shall use plain language when operating on these frequencies. The use of "10-codes" or other codes is prohibited. Medical related terminology, abbreviations and codes are permitted.

**JUSTIFICATION:**

Since the statewide EMS communications plan was established in the 1970s, the list of available channels has changed and they have become known by many different names, leading to confusion in the end user community. As part of an overall review of interoperable channels, a working group of the State Interoperable and Emergency Communication Board recommended these standardized names.

**MISUSE OF CHANNEL:**

Concerns regarding misuse of these channels should be reported to the New York State Division of Homeland Security and Emergency Services, Office of Interoperable and Emergency Communications. (Email: [DHSES.OIEC@dhses.ny.gov](mailto:DHSES.OIEC@dhses.ny.gov) Phone: 518-322-4911)

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(4) Time was reduced from 3-minutes, that was specified in the original guideline.

**STATE INTEROPERABLE AND EMERGENCY COMMUNICATIONS BOARD**

**RESOLUTION RECOMMENDING  
DHSES CONSIDERATION OF AMENDMENTS TO 21 NYCRR Part 5200**

**Resolution No. 2015-1117-01**

**WHEREAS**, the State Interoperable and Emergency Communication Board is created by and empowered under Article 6-A of the New York State County Law; and

**WHEREAS**, the State Interoperable and Emergency Communication Board deems it appropriate to recommend regulatory amendments regarding minimum standards for public safety answering points for consideration to the New York State Division of Homeland Security and Emergency Services (DHSES); and

**NOW THEREFORE, BE IT RESOLVED**, that the State Interoperable and Emergency Communication Board hereby recommends to DHSES consideration and potential action on 21 NYCRR Part 5200 captured in the document entitled, *21 NYCRR Part 5200 Amendments for Consideration*, a copy of which is attached hereto as Exhibit A.

**BE IT FURTHER RESOLVED** that this Resolution shall be in full force and effect from November 17, 2015.

**ADOPTED and APPROVED** by the State Interoperable and Emergency Communication Board at a meeting held on the 17<sup>th</sup> of November, 2015 at which a quorum was present and voted.

**State Interoperable and Emergency Communication Board**

BY: Robert M. Barbato  
**Robert M. Barbato, Chair**

Sheriff Gary Maha, Genesee Co SO Review  
Mark Fettinger, NYS DCJS Review  
Bill Bleyle, Onondaga County 911 Review  
John Merklinger, Monroe County Review  
Sheriff Joe Gerace, Chautaugua Co SO Review  
John Mecca, NYS Thruway Authority  
Deputy Superintendent Cumoletti, NYSP  
Mark Kasperek, Niagara County  
Toby Dusha, DHSES  
Dan Dytchkowskyj, Erie County  
Bob Barbato, DHSES

**OFFICIAL COMPILATION OF CODES, RULES & REGULATIONS  
OF THE STATE OF NEW YORK  
TITLE 21. MISCELLANEOUS  
CHAPTER LX. NEW YORK STATE INTEROPERABLE AND EMERGENCY COMMUNICATIONS  
PART 5200. MINIMUM STANDARDS REGARDING PUBLIC SAFETY ANSWERING POINTS**

Current through December 15, 2010

Update Meeting December 8, 2014 at Onondaga County 911 Center

(Statutory authority: County Law, § 328)

**Section 5200.1. Purpose.**

Many emergencies require immediate response from an emergency service provider, whether police, fire, or emergency medical service. This need requires that 911 dispatch facilities must be able to dispatch any and all of such providers to ensure the highest level of service and protection to the community.

**Section 5200.2. Definition.**

Direct dispatch means that the primary public safety answering point (PSAP) can alert the responding agency without having to relay or reroute calls unless the call originates outside the jurisdiction. All PSAPs shall have the capability of direct dispatch as so defined.

**Section 5200.3. Transfer of calls.**

A PSAP shall transfer all wireless 911 calls originating outside its jurisdiction to the appropriate agencies pursuant to existing local practice.

- (iv) special duty assignment required and performed in the public interest;
- (v) administrative leave involving the determination of workers' compensation or disability retirement issues, or suspension pending investigation or adjudication of an offense; or
- (vi) any other reason documented by the authority, which reason shall be specifically described.
- (2) Prior to the expiration of the time required for completion, the authority shall present written notification that the trainee is unable to complete such training due to one or more of the reasons set forth in paragraph (1) of this subdivision, accompanied by appropriate documentation.
- (3) Any extension of time approved by the Board shall not exceed a single 12-month extension.
- (d) The training standards set forth in this rule shall be met through attendance at either a recognized training academy or through an in-house training program. Trainees shall be required to attend all classes and shall not be placed on duty or on call during such training except in cases of emergency or during the ESDTEP under the supervision of a training officer.

**Section 5201.4. Annual in-service training standards.**

- (a) Effective January 1, 2004, all call-takers/dispatchers shall:
  - (1) within each calendar year, complete a minimum of 21 hours of in-service training consisting of, but not limited to, the following:
    - (i) TTD/TTY devices;
    - (ii) stress awareness;
    - (iii) homeland security updates;
    - (iv) community relations;
    - (v) legal updates;
    - (vi) review of agency policies and procedures; and
  - (2) satisfy any and all applicable mandatory re-certifications, including, but not limited to:
    - (i) emergency medical dispatching and CPR refresher as required for agencies that provide emergency medical dispatch (EMD) instructions;
    - (ii) eJusticeNY
- (b) A call-taker/dispatcher who has failed to satisfy the annual in-service training standards set forth herein for any calendar year shall not be eligible for, or be assigned to duty until such time as the training is successfully completed.
- (c) The annual in-service training standards set forth in this rule shall be met through attendance at either a recognized training academy or through an in-house training program.
- (d) Administrative requirements. The authority shall:
  - (i) maintain accurate and current copies of curricula consisting of course outlines, descriptions and specific lesson plans for all training courses that are completed through an in-house training program;
  - (ii) maintain, in accordance with the records retention laws and regulations, training records of all trainees, including daily written evaluations.
- (a) Classroom and related instruction.
  - (1) All call-takers/dispatchers shall complete the following:
    - (i) a course of classroom instruction consisting of an Emergency Services Dispatch Course that meets or exceeds the standards established by the Board.
  - (2) Completion time. Every call-taker/dispatcher subject to the training requirements of this section shall satisfactorily complete the classroom and related instruction training set forth above within 12

- months of the date of initial appointment.
- (3) The board may establish a list of approved classroom and related instructional programs which meet the requirements set forth above.
  - (4) All call-takers/dispatchers who are in a supervisory position shall complete the following within 12 months of appointment:
    - (i) IS-700, or the equivalent, as required by Homeland Security Presidential Directive Number Five;
    - (ii) ICS-100, or the equivalent, as required by Homeland Security Presidential Directive Number Five;
  - (1) maintain accurate and current copies of curricula consisting of course outlines, descriptions, and specific lesson plans for all training courses that are completed through an in-house training program;
  - (2) maintain accurate training records of all trainees, including daily written evaluations in accordance with NYS records retention laws and regulations.

**Section 5201.5. Specialty training.**

- (a) The authority may identify positions for which specialized technical and job-specific training is to be required, and shall require completion of such training pursuant to the protocol established within that job specialty.
- (b) If the PSAP is responsible for the dispatch of EMS calls the PSAP must establish an Emergency Medical Dispatch (EMD) Program. Such program shall include and require instruction which meets or exceeds the standard established by the National Highway Traffic Safety Administration (NHTSA) approved program of instruction. All persons employed therein shall complete training for such program within 12 months of the date of appointment. The Board may establish a list of approved EMD training programs.

**Section 5201.6. Appendix A.**

- A-1 The following courses of instruction meet or exceed the classroom instruction requirements set forth in 21 NYCRR § 5201.3(b)(1)(i):
- A-1.1 Association of Public Safety Communications Officials Basic Telecommunicator Course
  - A-1.2 National Academies of Emergency Dispatch, Emergency Telecommunicator Manual
- A-2 Any program that meets or exceeds the NHTSA EMD approved program of instruction.

**Section 5201.7. Variances.**

- (a) The Board shall have authority to grant variances from the strict provisions of this part, upon application therefore and upon a showing of:
  - (1) unnecessary hardship; and
  - (2) that an alternative measure or method to be adopted will meet the objectives of the standards.
- (b) In granting such variance, the Board shall provide that such variance shall be for a stated period of time.

**Section 5203.2. Equipment.**

- (a) Intelligent workstations (IWS).
  - (1) All PSAPs shall have the ability to integrate multiple systems (CAD, IWS, and Mapping) into one operational system.
  - (2) All PSAPs shall have the ability to accept and process 10 digits of ANI information and 20 digits (10 ANI and 10 pANI) of ALI information.
  - (3) The authority shall have a written procedure for the use of a manual backup system.
- (b) Computer aided dispatch (CAD) system.
  - (1) A PSAP's CAD system shall accommodate call volumes and other sizing parameters as required by the authority.
  - (2) A PSAP's computer system shall provide operational capabilities as required by the authority.
  - (3) A PSAP's CAD system shall have the capabilities of displaying the location of all wireless calls using latitude and longitude, if a CAD based mapping solution is used.
- (c) Mapping program (other than CAD based).
  - (1) All mapping programs shall be compatible with the IWS system.
  - (2) All mapping programs shall be able to plot and display X and Y coordinates provided by all wireless service providers.
  - (3) All mapping programs shall be updated at least every three years to reflect changes in the PSAP's coverage area.
  - (4) All mapping systems shall display a map display which can be navigated based on address and location coordinates provided from the PSAP's ALI system.
- (d) ANI/ALI operations. All PSAPs shall:
  - (1) have enhanced 911 capability, including automatic number identification (ANI) and automatic location identification (ALI);
  - (2) have the ability to receive 20-digit ANI/ALI data from all wireless service providers;
  - (3) have dedicated redundant data links to the designated ALI/ANI database providers;
  - (4) have the capability to receive the ANI/ALI information as soon as the call is answered by a call-taker; and
  - (5) have the ability to re-bid for ALI information.
- (e) Recorder system. The authority shall:
  - (1) ensure that all emergency communications to and from all PSAPs, including telephone and radio transmissions, shall be recorded;
  - (2) have a written policy establishing procedures for the playback and recording of emergency communications;
  - (3) have a written policy for the securing and storage of recordings;
  - (4) establish criteria, and have a written policy for, access to recordings;
  - (5) retain PSAP recordings for at least 90 days; and
  - (6) ensure that instant playback units are located at all call-taker positions.
- (f) Call detail record. All PSAPs shall have the capability to provide an automatic call detail record (ACDR) of every emergency call received, either by recording equipment or CAD log.
- (g) Telecommunications devices for the deaf (TDD).
  - (1) All PSAPs shall meet all requirements of the Americans with Disabilities Act (ADA),

including but not limited to:

- (i) direct access for all teletypewriters (TTY); and
- (ii) equipping of each call-taking position with a TTY or TTY-compatible device.
- (2) The authority shall have a written procedure for the handling of silent or open line TDD calls.
- (h) Criminal justice information system.
- (1) or eJusticeNY systems.
- (2) The authority shall have a written procedure for participation in the system or systems the PSAP utilizes.
- (i) System service. The authority shall have a plan to ensure the timely repair of PSAP equipment.
- (j) System clock.
  - (1) All PSAPs shall have a time synchronization package for the purpose of coordinating system-wide timing among the various 911 systems and support systems.
  - (2) The time synchronization package shall provide the means for wireless enhanced 911 systems, CAD systems, recorders, display clocks, and all other automated systems containing clocks to operate on the same time source.
  - (3) All system clocks shall automatically adjust for daylight savings time and leap second, and shall have a time zone offset for UCT (universal coordinated time).

#### **Section 5203.3. Building.**

- (a) Fire protection. All PSAPs shall comply with the New York State Uniform Fire Prevention and Building Code.
- (b) Facility power.
  - (1) All PSAPs, to include back-up PSAPs shall maintain a standby electrical power source capable of ensuring uninterrupted and continuous operation of the PSAP and critical systems in the event of the failure of the primary power source. The authority shall have a written procedure for the testing of standby power sources.
  - (2) The authority shall conduct documented inspections and preventative maintenance of standby power sources in accordance with the manufacturer's recommendations, and shall conduct documented testing of standby power sources at least monthly
  - (3) Adequate electrical power systems protection shall be employed so that power problems, such as fluctuations in voltage levels, do not adversely affect sensitive electronic equipment.
  - (4) Proper electrical and communications equipment grounding and lightning protection systems shall be employed at PSAP and public communications tower sites in order to protect personnel and equipment.
- (c) Facility hours of operation. All PSAPs shall be fully operational on a 24/7 basis.

#### **Section 5203.4. Security.**

- (a) Facility access and security.
  - (1) All PSAPs and back up PSAPs shall be locked and secured from intrusion;
  - (2) Access to a PSAP shall be restricted to authorized persons only;
  - (3) Power sources, utility feeds and standby power sources shall be protected to prevent tampering or intrusion.
  - (4) Public safety communications towers and equipment shelters shall be protected from

tampering and intrusion and shall include, at a minimum: security fencing around the tower and equipment shelter, hardening of potential points of access to the equipment shelter, adequate lighting and/or video surveillance, and an equipment shelter intrusion alarm.

- (b) Computer system protection.
  - (1) All PSAPs shall be equipped with software protection as required by the authority including a means of access that requires each authorized user to utilize unique identifiers to enter the systems. An annual audit of system users shall be conducted;
  - (2) The authority shall have a policy prohibiting introduction of unauthorized media or storage devices and installation of unauthorized software on PSAP computers; and
  - (3) The authority shall have a procedure to ensure the back-up of critical computer files and the security and storage of back-up media.

#### **Section 5203.5. General.**

- (a) Backup site. The authority shall:
  - (1) maintain a backup PSAP site, wired and ready with the ability to receive and dispatch emergency calls, for use in case of the necessity to vacate the primary PSAP;
  - (2) have a written continuity of operations plan for evacuating the primary PSAP and transferring operations to the backup site; and
  - (3) conduct and document no less than one exercise per year that utilizes the continuity of operations plan
- (b) Overflow calls. The authority shall have a written policy to handle overflow of wireless 911 calls.
- (c) A second (Part 5203 compliant) PSAP may serve as a backup site and handle overflow of wireless 911 calls. The backup PSAP must meet all standards as defined in this document.

#### **Section 5203.6. Variances.**

- (a) The Board shall have authority to grant variances from the strict provisions of this Part, upon application therefore and upon a showing of:
  - (1) unnecessary hardship; and
  - (2) that an alternative measure or method to be adopted will meet the objectives of the standards.
- (b) In granting such variance, the Board shall provide that such variance shall be for a stated period of time.

### **PART 5204. MINIMUM STANDARDS REGARDING EXPEDITED DEPLOYMENT FUNDING**

#### **Section 5204.1. Definitions.**

- (a) Board means the New York State Interoperable Communications Governance Board.
- (b) PSAP means public safety answering point, a site designated and operated by a local governmental entity for the purpose of receiving emergency calls from customers of a wireless telephone service supplier.
- (c) Expedited deployment funding means the State assistance provided pursuant to this part to local public safety answering points for eligible wireless 911 costs.
- (d) Plan or plans means a priority enhanced wireless 911 plan or plans.

**Section 5204.2. State assistance** (Delete or update?)

Subject to the appropriation of funds, the Department of State shall provide State assistance to local PSAPs for eligible wireless 911 costs. Such State assistance may be up to 90 percent of the total amount of eligible costs to implement the enhanced wireless 911 plan approved pursuant to this part. This funding is provided to encourage the rapid deployment of enhanced wireless 911. Expedited deployment funding will be provided to PSAPs for reasonable enhanced wireless 911 costs which conform to the FCC order. Funding will be provided to PSAPs based on need and readiness to receive and utilize wireless 911 information within 180 days of submission of the plan. Funding may be provided prospectively.

**Section 5204.3. Time frame for submission of plans** (Delete or update?)

The Board shall administratively establish and publicize a timeframe for submission of plans, which shall be subsequent to its adoption of this part.

**Section 5204.4. Criteria for approval of plans** (Delete or update?)

- (a) To be eligible for expedited deployment funding, a PSAP must:
  - (1) be operated by a local governmental entity other than the State Police; and
  - (2) be designated by resolution of a county governing board pursuant to County Law, Section 3301(1)(b) to receive all wireless 911 calls within the county.
- (b) Priority in approving plans will be given to those PSAPs which had not attained enhanced wireless 911 capability as of May 15, 2003.

**Section 5204.5. Content of plans** (Delete or update?)

All plans submitted for expedited funding approval shall set forth the following:

- (a) a timeframe for planned enhanced wireless 911 implementation;
- (b) a list of all wireless service suppliers licensed to provide service in the county;
- (c) a financial plan, including a summary of project costs related to equipment purchase, installation and maintenance necessary to provide enhanced wireless 911 service;
- (d) a list of specific projects eligible for expedited deployment funding contained in the financial plan;
- (e) a description of technologies to be used to provide enhanced wireless 911 service;
- (f) documentation supporting the PSAP's ability to receive and utilize enhanced wireless 911 information within 180 days of the submission of the plan;
- (g) a resolution from the governmental entity supporting the local PSAP's request for expedited deployment funding;
- (h) an inventory of the names and ages of all existing items of wireless equipment at the PSAP;
- (i) a statement setting forth the existing numerical volume of both hard-wire and wireless 911 calls received during both the immediately preceding 12 months and the next preceding 12 months; and
- (j) documentation sufficient to establish that at least 10 percent of eligible costs shall be funded and provided by the PSAP. Such local share may include in-kind costs.

**Section 5204.6. Standards governing reasonable eligible wireless 911 service costs.**

Eligible wireless 911 service costs may be paid or reimbursed for the eligible items set forth in subdivision (a) of this section to the extent such items relate to the provision of enhanced wireless service. For purposes of this section, eligible wireless 911 service costs shall mean the actual costs incurred by the governmental entity seeking payment or reimbursement which are related to the acquisition, design, installation, customization and delivery of eligible items, including shipping and handling fees, site-surveying and engineering costs, construction and renovation costs incidental to the installation of eligible items, and non-recurring costs incurred for the modification or customization of eligible items to enable such eligible items to be operational for their intended purpose and to ensure functionality and compatibility with the software and equipment of and services provided by wireless telephone service suppliers; provided, however, that any such costs for consultant services for software improvements and training of those personnel of the local governmental entity primarily responsible for the instruction of local government employees in the proper use of eligible items of equipment or software are an integral part of a hardware/software procurement package and are incurred not later than one year after the later of the date of eligible items to which such costs relate is delivered or accepted.

- (a) Eligible items:
  - (1) equipment, including, but not limited to, computers, connection equipment providing automatic number identification (ANI) and automatic location information (ALI) operations, and uninterruptible power systems (UPS);
  - (2) consoles and furniture for additional positions and/or required for new equipment; and
  - (3) software, including software licensing fees.
- (b) Funding shall not be awarded for any items purchased prior to May 15, 2003.
- (c) Except to the extent otherwise provided above, funding shall not be awarded for:
  - (1) construction and renovation costs, other than costs incidental to the installation of eligible items;
  - (2) personal services;
  - (3) training of personnel; or
  - (4) ordinary or recurring maintenance charges.

**Section 5204.7. Standards governing repayment provisions** (Delete or update)

Within six months following receipt of funding, the local governmental entity operating the PSAP shall submit to the Board all receipts documenting approved expenditures, in a single package. Immediately upon receipt of notice by the Board of any unauthorized expenditure or undocumented funds, the entity operating the PSAP shall cease making unauthorized expenditures. Within 30 days following the Board's final determination that any expenditure is unauthorized or is not sufficiently documented, the PSAP shall refund such amount.

**PART 5204. MINIMUM STANDARDS REGARDING JURISDICTIONAL PROTOCOLS**

**Section 5204.1. Purpose.**

All law enforcement agencies have a common goal of providing the highest level of police protection to the communities they serve. Fulfilling that goal requires the coordination and cooperation of all law enforcement agencies at the local, county and State levels. In the interest of providing the highest levels of law enforcement services and protection to the public, the Legislature has therefore required the New York State Interoperable and Emergency Communication Board to adopt minimum standards for jurisdictional protocols.

**Section 5204.2. Definition.**

- (a) A jurisdictional protocol is a written agreement entered into by two or more law enforcement agencies setting forth procedures to ensure the organized, coordinated, and prompt mobilization of personnel, equipment, services, or facilities in order to achieve the fastest response to a 911 emergency.
- (b) AVL means Automatic Vehicle Locator.
- (c) CAD means Computer Aided Dispatch.

**Section 5204.3. Contents.**

The jurisdictional protocols utilized by the law enforcement agencies shall be in the form of a written agreement that, at a minimum, includes or provides for the following:

- (a) a list of all participating law enforcement agencies;
- (b) if the PSAP has the authority to do so, a method of providing for the dispatch of the closest police unit, which may be via any of the following:
  - (1) AVL (CAD mapping);
  - (2) indirect polling (asking for any unit in the area);
  - (3) direct polling (determining the location of a unit by its number);
- (c) a method of transferring calls to the proper agency or jurisdiction;
- (d) that the methods provided for pursuant to subdivisions (b) and (c) of this section shall be used in the case of all 911 calls, and all emergency calls received by any other means, dispatched for service;
- (e) that the agreement shall be reviewed at least annually to ensure that the most efficient procedures are being used;
- (f) that all investigative duties shall be conducted by a law enforcement agency having ordinary investigative jurisdiction in any area, regardless of initial response to an emergency, provided, that no law enforcement agency shall be prohibited from requesting assistance from any other agency as may be provided under current law or regulation; and
- (g) a procedure for resolving all disputes among the parties relating to the operation of the protocol, which may include referral of such disputes to a body designated by agreement among the parties.

**Section 5204.4. Model protocol.**

The New York State Interoperable and Emergency Communication Board has approved as a model the jurisdictional protocol titled "Memorandum of Understanding (Jurisdictional Protocol for Law Enforcement Agencies)."

## **APPENDIX C**

### **Interoperable Communication Consortiums**

**APPENDIX C – Interoperable Communication Consortiums**

#	Consortium Name	Consortium Membership (County Name)
1	Adirondack Regional Interoperable Communications Consortium	Albany, Clinton, Essex, Franklin, Fulton, Hamilton, Herkimer, Montgomery, Rensselaer, Saratoga, Schenectady, St. Lawrence, Warren, Washington
2	Capital Region Urban Area Working Group	Albany, Rensselaer, Saratoga, Schenectady, Schoharie
3	Catskill Interoperable Communications Consortium	Columbia, Delaware, Dutchess, Greene, Otsego, Putnam, Schoharie, Sullivan, Ulster
4	Central New York Interoperable Communications Consortium	Cayuga, Cortland, Jefferson, Lewis, Madison, Oneida, Onondaga, Oswego, St. Lawrence
5	Finger Lakes New York Interoperable Communications Consortium (FLNYICC)	Allegany, Genesee, Livingston, Monroe, Ontario, Orleans, Seneca, Steuben, Wayne, Wyoming, Yates
6	Hudson Valley Interoperable Communications Consortium	Columbia, Dutchess, Orange, Putnam, Rockland, Sullivan, Ulster, Westchester
7	New York City Interagency Communications Committee	Nassau, Suffolk, Westchester and 5 Counties in New York City
8	Southern Tier East Regional Emergency Service Interoperable Communications Alliance	Broome, Chenango, Cortland, Delaware, Otsego, Tioga, Tompkins
9	Southern Tier Interoperable Communications Consortium	Chemung, Schuyler, Steuben
10	Western New York Interoperable Communications Consortium	Cattaraugus, Chautauqua, Erie, Genesee, Niagara, Wyoming