



Homeland Security  
and Emergency Services

# **DHSES OIEC Updates**

## **PSAP, SICG and Targeted Grant Updates**

2019

# *PSAP, SICG and Targeted Grant Updates*

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# Introduction: Interoperable Communications Grant Program

- 1. Authority to administer the Grant** (New York Executive Law § 717 empowers the Office of Interoperable and Emergency Communications (OIEC), an office of the New York State Division of Homeland Security and Emergency Services (DHSES), to implement a grant program to facilitate the operation of public safety communications and support statewide interoperable communications for first responders.)
- 2. Basis of SICG:** Addressing matters at the county-level and encouraging cross-jurisdictional regional partnerships, including State agencies, allow for coordinated planning and distribution of resources and collaborative approaches to implementation and operation.



# Interoperability

## National Emergency Communications Plan (NECP)

- *New NECP plan, dated September 2019 ([www.cisa.gov/necp](http://www.cisa.gov/necp))*
- *Redefined National Priorities and NECP Goals.*
- *Newly developed Facts and Tools to meet NECP Goals*

# Interoperability

## NECP Priorities

1. *Enhance effective governance across partners with a stake in emergency communications, embracing a shared responsibility of the whole community from traditional emergency responders and supporting entities to the citizens served*
2. *Address interoperability challenges posed by rapid technology advancements and increased information sharing, ensuring the most critical information gets to the right people at the right time*
3. *Build resilient and secure emergency communications systems to reduce cybersecurity threats and vulnerabilities*



# Interoperability

## NECP Vision

*The NECP establishes a vision to enable the Nation's emergency response community to communicate and share information securely across communications technologies in real time, including all levels of government, jurisdictions, disciplines, organizations, and citizens impacted by any threats or hazards event.*



# Interoperability Continuum

UPDATED



Optimal-level interoperability is contingent upon individual agency and jurisdictional needs.

# ***SICG Program SPENDING***



# SPEND!



# SICG Program Overview

Program Name	Appropriation Year	Appropriation Amount \$\$	Reimbursed \$\$	Project Period
Round 1 SICG	2010-2011	20 million	20 million	12/21/2011 – 09/30/2014
Round 2 (SICG)	2011-2013	102 million	101.7 million	02/04/2013 – 02/03/2018
Round 2 (2012 PSAP)	2011-2012	9 million	9 million	05/01/2013 – 04/30/2017
Round 2 (2013 PSAP)	2012-2013	9 Million	8.9 million	06/25/2014 – 06/24/2017
Round 3 SICG	2013-2014	75 million	75 million	12/03/2013 – 06/30/2019
Round 4 SICG	2014-2015	50 million	31.1 million	01/01/2016 – 12/31/2019
2016 SICG Formula	2015-2016	45 million	26.6 million	01/01/2017 – 12/31/2019
2017 SICG Formula	2016-2017	45 million	11 million	01/01/2018 – 12/31/2019
2018 SICG Formula	2017-2018	45 million	0.8 million	01/01/2019 – 12/31/2020



# SICG Program Overview (Continued)

Program Name	Appropriation Year	Appropriation Amount \$\$	Reimbursed \$\$	Project Period
<b>2014-15 PSAP Operations</b>	2014-2015	10 million	10 million	01/01/2015 – 12/31/2015
<b>2015-16 PSAP Operations</b>	2015-2016	10 million	10 million	01/01/2016 – 12/31/2016
<b>2016-17 PSAP Operations</b>	2016-2017	10 million	10 million	01/01/2017 – 12/31/2017
<b>2017-18 PSAP Operations</b>	2017-2018	10 million	9.7 million	01/01/2018 – 12/31/2018
<b>2018-19 PSAP Operations</b>	2018-2019	10 million	2.6 million	01/01/2019 – 12/31/2019
<b>2019-20 PSAP Operations</b>	2019-2020	10 million	0	01/01/2020 – 12/31/2020



# SICG Program Overview (Continued)

Program Name	Appropriation Year	Appropriation Amount \$\$	Reimbursed \$\$	Project Period
2018 SICG-Targeted	2015-2019	65 million	0 million	11/28/2018 – 11/28/2022

**2018 SICG Targeted Grant:** announced \$32,640,405 in Phase 1 of the award process.

## Anticipated RFAs Schedule:

**PSAP Operations Grant** - *every year in May-June*

**SICG Formula Grant** – *every year in June-July*

**SICG Targeted Grant** – *ongoing, rolling schedule*



# SICG Program Overview

- ✓ 2019 SICG Formula – \$45 million - in the evaluation process
- ✓ 2019 PSAP Operations Grant – \$10 million - awards announced on September 6, 2019
- ✓ 2019 SICG Targeted – \$20 million – RFA First Quarter of 2020

***TOTAL \$492.6 million in grants***

***Please visit [www.dhSES.ny.gov/oiec/grants](http://www.dhSES.ny.gov/oiec/grants) for additional information***



# SICG Program Overview

**Assist counties to improve ability for first responders to communicate with each other and create a network of regional partnerships and systems that will include State agencies and other levels of government entities.**

## **Improve interoperable communications --**

- by ensuring capability for National Interoperability Channels, and developing and implementing non-proprietary open standards solutions to achieve higher level of interoperability and spectrum efficiency.
- through developing, expanding or consolidating large-scale, regionally-focused LMR systems for public safety use among two or more counties supporting multi-jurisdictional and multi-discipline, including State agencies.
- through operational efficiency and effectiveness by consolidating public safety answering points (PSAPs) and implementing NG-911 technologies.
- and improve governance structure, develop Standard Operating Procedures (SOPs), strengthen training and exercise programs to promote efficient interregional communications, interoperability, cooperation and overall first responders readiness.



# Interoperable Communications Grant Program

1. **SICG-Formula Grant – Statewide Interoperable Communications Formula-Based Grant (\$45 mil)** (Improve interoperability between counties and regional partners and on-going sustainment)
2. **PSAP Operations Grant – Public Safety Answering Points Operations Grant (\$10 mil)** (An annual formula-driven grant to support ongoing operations of public safety communications centers)
3. **SICG-Targeted Grant – Statewide Interoperable Communications Targeted Grant (\$20 mil)** (Large infrastructure projects, implementation of I/O channels, regional connectivity)



# *SICG-Formula*

## *Statewide Interoperable Communications Grant- Formula Based*



# Interoperable Communications Grant Program

## 1. SICG-Formula Grant – Statewide Interoperable Communications Formula-Based Grant (\$45 mil)

Sustaining and improving Land Mobile Radio Systems (LMR); improvements and maintenance of components that support interoperability; training and exercises that include communications as a component; and sustaining and developing governance structures to improve interoperable communications. Limited allowable PSAP expenses (CPE only).

LMR and Governance centered



# SICG Formula Grant Goals

Development and coordination of National Interoperability Channels, State, Regional, Tribal and Local mutual aid channels

Development of interoperable communications infrastructure

Improvements of Public Safety Answering Points (PSAPs) toward Next Generation 911 (NG-911) development in accordance with New York State plan and vision

Development of governance and SOPs

Development of inventory of statewide communications resources (i.e. continuous participation in CASM-Communications Assets Survey and Mapping tool) and Tactical Interoperable Communication Plan (TICP ) development, update and utilization



## SICG – Formula Grant Authorized Program Expenditures

Equipment, Infrastructure, and Technology	Planning, Administration, and Deployment Costs
Radio Frequency Systems (e.g. microwave, base stations, antennas, other), Gateways	Costs associated with the development and deployment of public safety communications systems, networks, technology, or facilities to provide sharing of voice, data, and video transmissions
Subscriber Equipment (mobiles, portables, desktop) (P25 only)	Utilization of CASM and development of Tactical Interoperable Communications Plans (TICPs)
Towers, Shelters, Backup power, backhaul (fiber and MW), Tower road access, Tower security	Services relating to developing, designing, and implementing interoperability plans and network system development
LMR maintenance cost	Training and exercises pertaining to system/equipment proposal and enhancements in interregional/interagency response readiness
Cost of lease or lease to purchase on LMR buildouts	Services relating to the development of governance and SOPs
Network components (e.g. routers, switches) as related to public safety communications, Telecommunication circuit setups	Up to 20% base salary on an annual basis of a person performing duties of a County Interoperability Coordinator (does not include overtime)

## SICG – Formula Grant Impermissible Costs

- Proprietary technologies;
- Salaries, overtime, fringe, indirect, or travel expenses associated with existing or on-going operations (with the exception of eligible portion of County Interoperability Coordinator salary);
- Paging receivers;
- Broadband;
- CAD systems and software;
- PSAP furniture, including dispatch furniture;
- Emergency Services IP network (ESInet);
- Debt service or local municipal bond funding;
- Recurring commercial service costs, such as cellular voice, data or leased time; and
- Out of State travel expenses to conferences, meetings, training sessions, etc.

# *PSAP Operations Grant - Formula Based*

# Interoperable Communications Grant Program

## 2. PSAP Operations Grant – Public Safety Answering Points Operations Grant (\$10 mil)

Operating expenses in a PSAP, including personnel costs. Improvements and sustainment of call taking and dispatching expenses. Development of Next Generation 911 (NG911) technologies and the Geographic Information System (GIS) data needed for NG911, development of operational and procedural efficiencies.

PSAP centered



# PSAP Operations Grant Goals

Improvements of Public Safety Answering Points (PSAPs) toward Next Generation 911 (NG-911) development in accordance with New York State plan and vision

Facilitate PSAP consolidation, regional initiatives

Development of Next Generation 911 (NG-911) technologies and the GIS data needed for NG-911

Development of governance and SOPs

Develop multi-jurisdictional PSAPs compatibility throughout the state and support statewide interoperable communications for first responders



## PSAP Operations Grant Authorized Program Expenditures\*

Personnel cost solely related to operating the PSAP	PSAP operating expenses (such as network connectivity, software licensing, etc.)
NG911 technologies	Dispatch workstations, Call accounting equipment
New 911 telephone equipment for the exclusive use of the PSAP, including Automatic Location Information (ALI) displays or intelligent workstations and ALI controllers	Microwave backhaul connectivity for the PSAP
CAD upgrades or replacement, including software and hardware that will perform integrated mapping functions through a CAD interface at each call taker position, utilizing the coordinates received via the ALI database link	Developing, conducting, and attending 911 in-service training, Basic Certification Training
GIS enhancements for the purpose of preparing for the implementation of the FCC wireless E911 requirements	Fit-up and installation of equipment in existing facilities that meet the above intent and purpose of the grant
Records Management Systems that will provide statistical analysis of wired line and wireless 911 calls	

***\*Note: not all authorized expenditures are listed, please contact grant representative to determine eligibility of the specific expense***



## PSAP Operations Grant Impermissible Costs

- Equipment or systems with proprietary technology that is non-compliant with standards listed in this document;
- Vehicles;
- Land Mobile Radio (LMR) subscriber equipment;
- Mobile data networks (including infrastructure, user equipment, service fees);
- New construction projects (such as new building constructions and capital projects);
- Furniture (other than dispatch workstations);
- Food and beverages;
- Out-of-State conferences and trainings; and
- Debt Service.



***SICG – Targeted***  
***TARGETED Statewide***  
***Interoperable***  
***Communications Grant***



# Interoperable Communications Grant Program

## 3. SICG-Targeted Grant – Statewide Interoperable Communications Targeted Grant (\$20 mil\*)

Improve land mobile radio Interoperability for public safety agencies statewide, improve LMR system and infrastructure related to National Interoperability channels in all frequency bands, monitor CALLing channels in PSAPs, resilient backhaul for I/O LMR.

LMR, National Interoperability Channels, and PSAP monitoring of I/O channels



# SICG – Targeted Grant Goals

**Implement Hailing and Command Channels Statewide** - National CALLing Interoperability Channels (VHF-Lo, VHF-Hi, UHF and 800MHz) with 95% mobile coverage

**24/7 monitoring of CALLing channels** – monitoring is performed by state, regional interoperability centers and counties. This ensures that public safety responders, no matter where they travel in the State, have contact with a dispatcher to request help or instructions

**Backhaul enhancements** - communications network connectivity/backhaul within and between consortiums/regions (microwave, fiber, etc.)

**Implementation of tactical channels** (TAC-channels) on a statewide basis

Statewide engagement from state, consortiums, regions and counties to complete the **Communications Asset and Survey Mapping (CASM)** tool, and integration in to NY Responds



# Targeted Interoperability Grant Progress

- ❖ Total available funding is \$65 million
- ❖ Maximum award is \$6 million
- ❖ Grant performance period is 4 years
  
- ❖ RFA determines county eligibility, defines standards and adherence to grant requirements
  
- ❖ **SICG-Formula applications are used as a base for gap analysis of interoperability in counties**
  - ❖ Please contact OIEC office and Grant Representative if you have any questions about an application
  
- ❖ Funding will support counties which were identified as areas with insufficient coverage and/or insufficient infrastructure of National Interoperability Channels and lack of regional connectivity
  
- ❖ **OIEC is working with counties individually to develop interoperability projects and budgets**



## SICG – Targeted Grant Authorized Program Expenditures\*

Equipment, Infrastructure, and Technology	Planning, Administration, and Deployment Costs
Land Mobile Radio System components (e.g. microwave, base stations, antennas, etc.), as it relates to the implementation of interoperability	Services related to developing, designing, and implementing an interoperability network and interoperable system development
Towers, Shelters, Gateways, Backup Power as it relates to the implementation of interoperability	Project management and administration costs associated with the development and deployment of National Interoperability channels implementation
Upgrade of 911 radio equipment and consoles to allow continuous monitoring of National Interoperability channels, as it relates to the implementation of interoperability	Programming of subscriber equipment with Interoperability Channels
Fiber and microwave connectivity (i.e. backhaul), as it relates to the implementation of interoperability	
Tower site security, as it relates to the implementation of interoperability	

***\*Note: not all authorized expenditures are listed, please contact grant representative to determine eligibility of the specific expense***

## SICG – Targeted Grant Impermissible Costs

- Proprietary technologies;
- Salaries, overtime, fringe, indirect, or travel expenses associated with existing or on-going operations;
- Subscriber Equipment, Paging receivers;
- Broadband;
- CAD systems and software;
- PSAP furniture, including dispatch furniture;
- Emergency Services IP network (ESInet);
- Debt service or local municipal bond funding;
- LMR maintenance;
- Recurring commercial service costs, such as cellular voice, data or leased time; and
- Out of State travel expenses to conferences, meetings, training sessions, etc.

# Targeted Interoperability Grant Progress

## Awards made:

7 Counties (\$32.6 mil) – Clinton, Hamilton, Herkimer, Jefferson, Niagara, Orleans, Schenectady

Procurement records have been approved



# ***DHSES Policies and Guidelines***

# Licensing Procedures for National Interoperability Channels and Common Channels in New York State

## SUMMARY:

This document is intended to provide guidance to public safety entities on licensing procedures of non-Federal National Interoperability Channels, designated by the FCC and defined in Title 47 Code of Federal Regulations Part 90 and should be used in conjunction with NYS DHSES Communications Guidelines 16-01, 16-02 and 16-03 and 16-04. (<http://www.dhses.ny.gov/oiec/plans-policies-guidelines/>). Listed guidelines contain a list of National Interoperability Channels and Common Channels available in NY State.

## DESCRIPTION:

This guideline outlines a process, which must be followed by non-Federal public safety entities in order to license National Interoperability Channels and Common Channels used in NY State. This guideline covers Low Band VHF, VHF, UHF, 700MHz and 800MHz National Interoperability Channels.

**POSTED:** <http://www.dhses.ny.gov/oiec/plans-policies-guidelines/>



# *COMU Program Overview*

# New York State

Communications Unit (COMU)

Policy & Procedure

# Background

- During emergency response operations, communications among multiple jurisdictions and disciplines, including emergency medical, fire, and law enforcement services, is essential.
- Unfortunately, the absence of on-scene communications coordination has often compromised critical operations.



# Background

- To close this gap, the United State Department of Homeland Security (DHS), Emergency Communications Division (ECD) in partnership with the Federal Emergency Management Agency (FEMA), and practitioners from across the country developed performance and training standards for the National Incident Management System (NIMS), Incident Command System (ICS), Communications Unit (COMU) position.
- The National Qualification System (NQS) supplements the resource management component of NIMS by establishing guidance and tools to assist stakeholders in development processes for qualifying, certifying, and credentialing deployable emergency personnel.

# Background

- New York State will follow the qualifications set forth in the NQS for specific incident-related positions to provide consistency across the Nation and support nationwide interoperability.
- Using the NQS approach to qualify, certify, and credential incident management and support personnel ensures personnel deploying through mutual aid agreements and compacts have the capabilities to perform the duties of their assigned roles.



# Authority

- Authority for the New York State Division of Homeland Security and Emergency Services (DHSES), Office of Interoperable & Emergency Communications (OIEC) to develop this policy and procedure was established pursuant to the provisions provided in NYS Executive Law; Section 717.
- The Statewide Interoperable and Emergency Communications Coordinator (SWIC), in consultation with the New York State Communications Unit (COMU), will review, approve and re-certify all COMU personnel.



# National Wildfire Coordinating Group (NWCG) Position Credentialing

- This policy and procedure meet the position specific guidance developed by DHS-ECD and FEMA. Those seeking credentialing in similarly titled positions administered by the National Wildfire Coordinating Group (NWCG) may need to complete additional requirements beyond the scope of this policy and procedure.

# Updates and Revisions

- This policy and procedure will be reviewed semi-annually or in conjunction with updates of the New York State, Statewide Communications Interoperability Plan (SCIP).
- Revisions to this policy and procedure will be reviewed by the SWIC and COMU.

# Updates and Revisions

- Comments, suggested revisions, or additions/deletions to this policy and procedure should be submitted via e-mail to:

[DHSES.OIEC@dhses.ny.gov](mailto:DHSES.OIEC@dhses.ny.gov)

- Individuals requesting New York State credentialing for a COMU position, are responsible for checking the New York State website, at:

<http://www.dhses.ny.gov/oiec/training-exercises>

To obtain the current version of this document.



# New York State COMU

- The NIMS-ICS communications positions require candidates that serve in the COMU positions, to currently serve in a public safety communications role. A public safety communications background with exposure to field operations is critical in the performance of these positions.
- Personnel who are regularly assigned to functional, support, unit leader positions, may apply for credentialing. They should have supervisory and personnel management skills, in addition, be able to demonstrate knowledge of local communications systems, and communications capabilities.

# Credentialing Process (7 Steps)

Step 1: Completion of prerequisites NIMS/ICS courses (Most Recent)

Step 2: Completion of COMU Position Course

Step 3: Completion of COMU Position specific Position Task Book (PTB)

Step 4: Completion of NYS COMU credentialing paperwork (Appendix A – C)

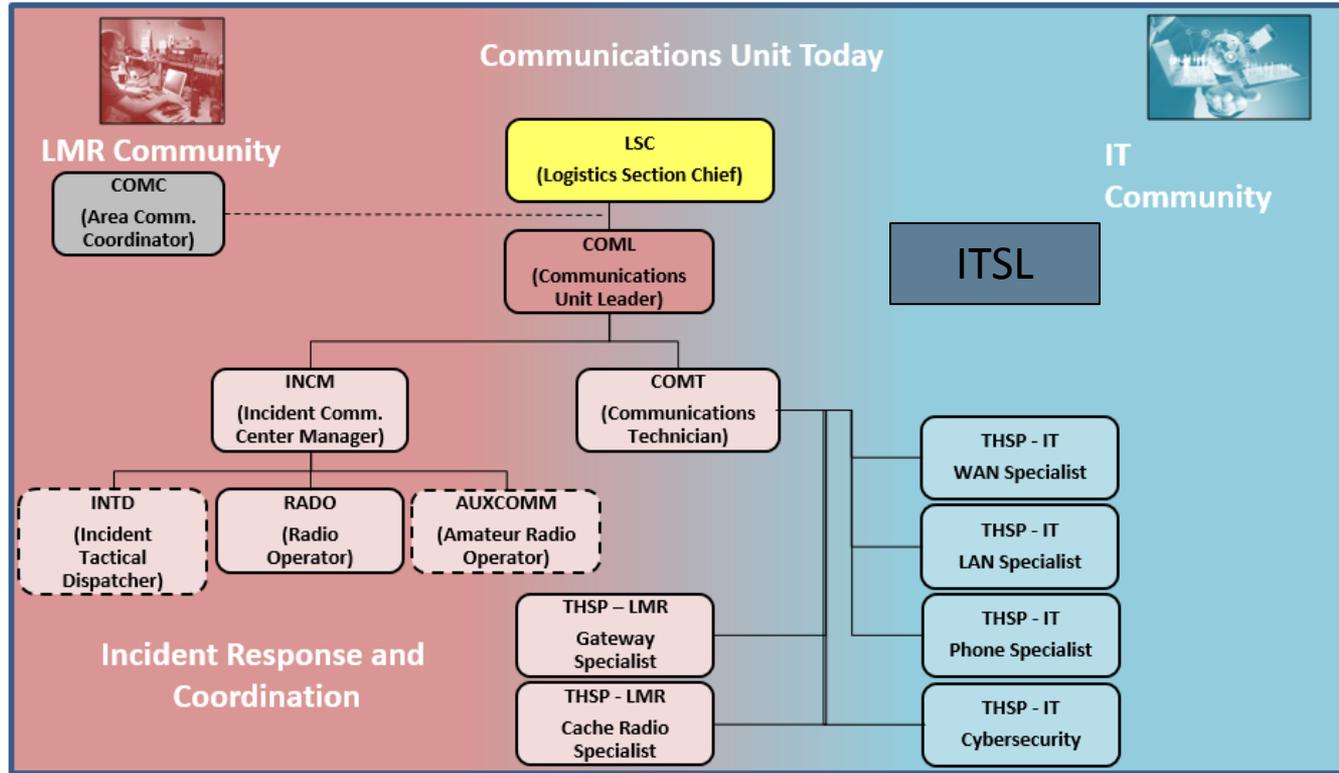
Step 5: Submission of required paperwork to NYS COMU

Step 6: Completion of Final Approval by New York State COMU & SWIC

Step 7: Credential Renewal, Proficiency, and Performance

# Credentialing Period

- The credentialing will remain valid for three (3) after the date of issuance.
- COMU Instructors will not have an expiration date, however, will be required to maintain their credentials for the COMU position that they provide instruction for.



# State Preparedness Training Center (SPTC)

- Once the courses have been posted on the SPTC training webpage, communications personnel will need to go to the webpage, and register for the course.
- This applies to both State and non-state employee personnel.

**Note:** For State employees, please note when you register that you will not need lodging, and will be taking care of it yourself, using your travel card.

# NY State Communications Unit (COMU) Credentialed Personnel (Statewide)

ICS Position	2017	2018	2019	2020 (Projected)	Total
COML	1	36	9	30	75
COML(Instructors)	0	0	12	0	12
INCM	0	0	0	20	20
COMT	0	0	3	60	73
COMT(Instructors)	0	0	10	10	20
INTD	0	0	0	40	40
RADO	0	0	0	20	20
AUXCOMM	0	0	16	30	46
ITSL	0	0	0	20	20



# Questions ?

If you do have questions or need assistance later on:

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# Communication Assets Survey and Mapping (CASM)



# Communications Assets Survey and Mapping (CASM)

- DHSES-OIEC continues to work with Counties to enter and maintain their data in the CASM program.
  - Counties continue to be reminded that the entry and maintenance of the CASM information is a grant requirement.
- In addition, hiring a contractor to enter and maintain your data is an allowable expense under the SICG/Formula grant.

# Communications Assets Survey and Mapping (CASM)

- Starting this year, DHSES-OIEC personnel will begin the process of policing the CASM program, determining which Counties have met the grant requirements, and which Counties have not.
- Counties that have not met the requirement will receive a letter of non-concurrence, and will be given ample time to bring their information current.
- Failure to meet these grant requirements may result in NY State requesting the SICG/Formula grant monies be returned to NY State, so **please make this a top priority**.



# Communications Assets Survey and Mapping (CASM)

## Training

Started in April 2019, and continuing once a month, DHSES-OIEC personnel hold CASM Training WebEx, generally the fourth Wednesday of each month.

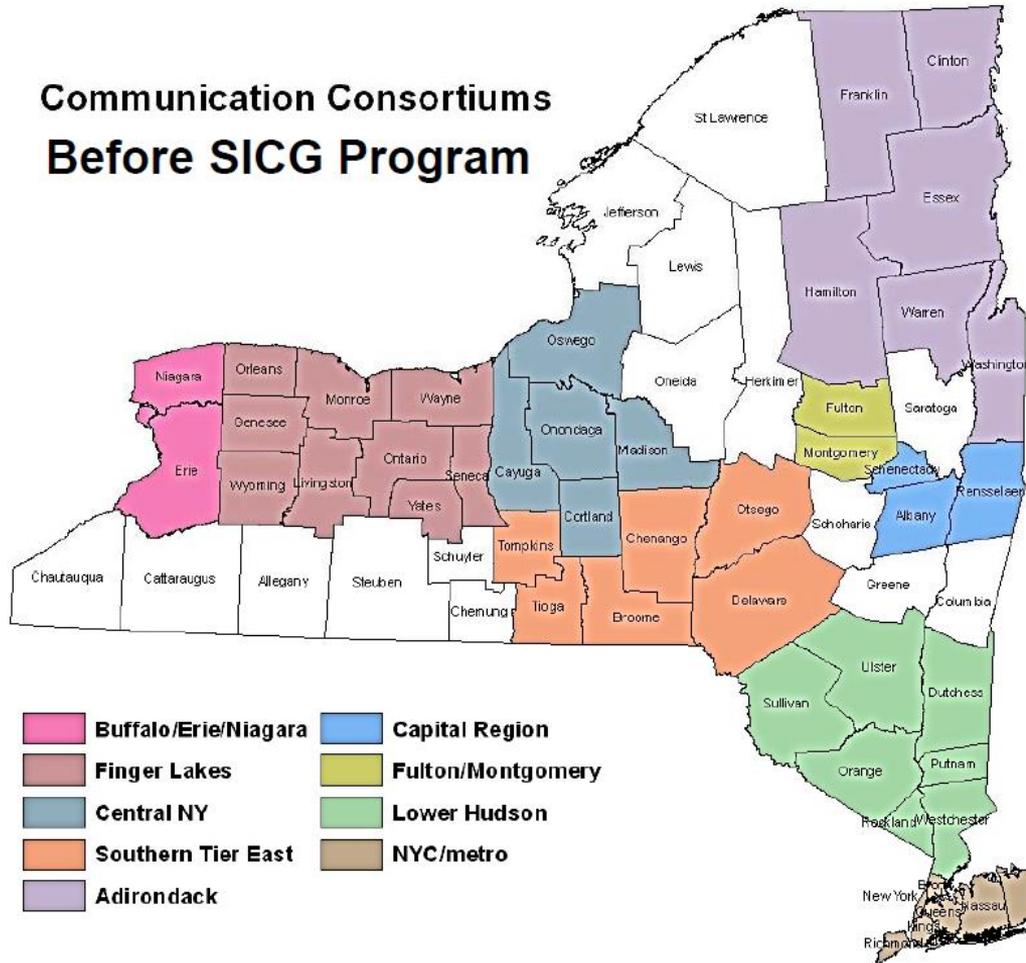
This gives Counties and COMU Personnel the opportunity to work with DHSES-OIEC on any issues they may have with CASM, as well as learn new things that CASM offers.

Beginning with the recent COMT Course, DHSES-OIEC will require students to create an account and utilize the CASM program, which should increase awareness and usage Statewide.



# *Maps and Graphics*

## Communication Consortiums Before SICG Program



# Year 2010

- ❖ 9 Consortiums. Affiliations were rather diverse, and broadly-defined with purposes not exclusively for communications or interoperability (e.g.; UASIs), many were not fully inclusive of agencies/ stakeholders which crossed over jurisdictional boundaries.
- ❖ Not all counties are members of a Consortium
- ❖ Requirement to be a member of a Consortium is included in the Grant

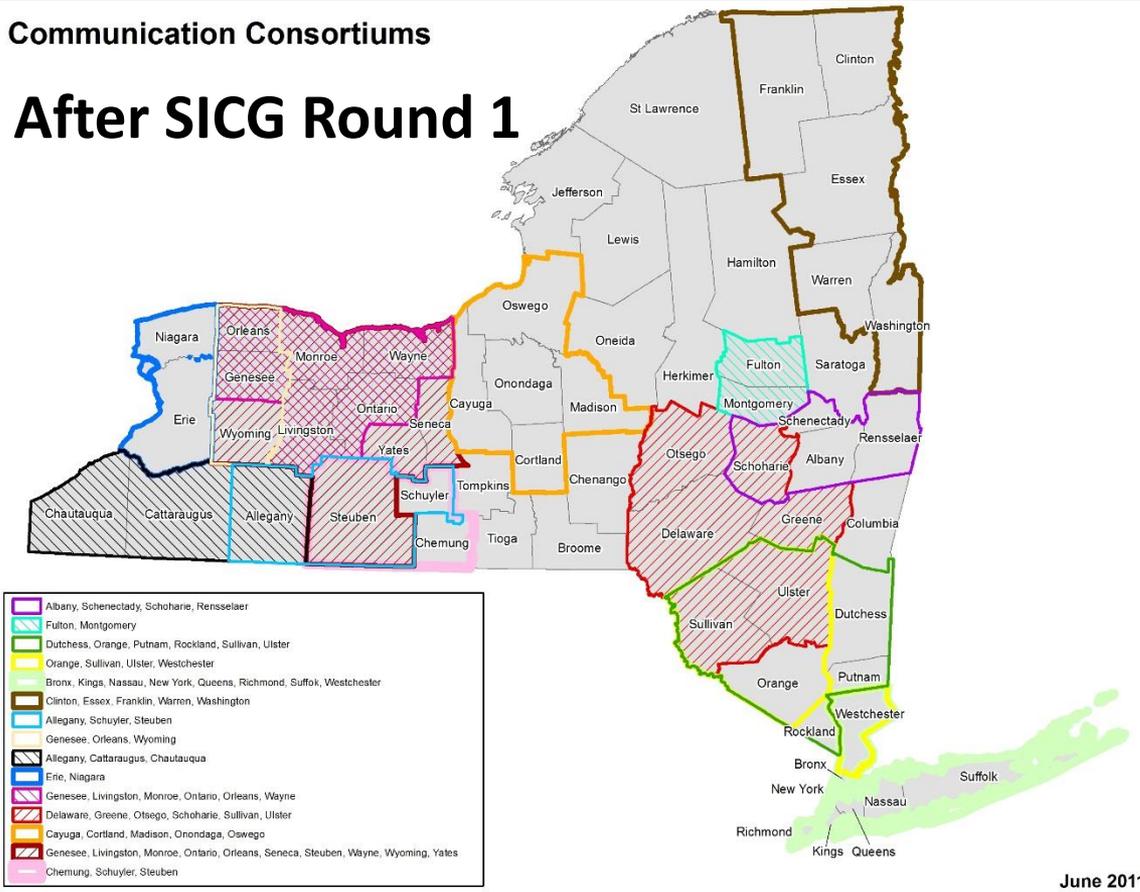
March 2011



Homeland Security  
and Emergency Services

## Communication Consortia

# After SICG Round 1

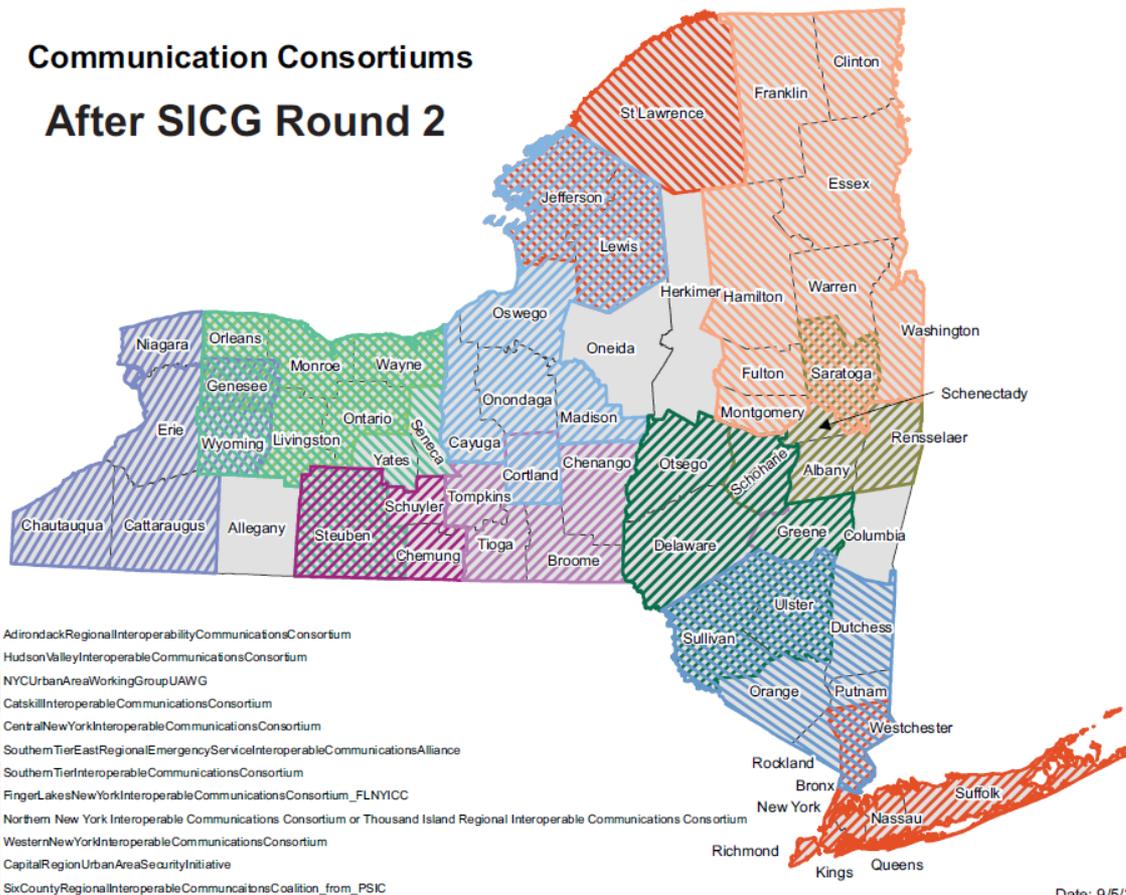


# Year 2011

- ❖ 15 Consortia
- ❖ Existing Consortium boundaries are changing
- ❖ New Consortia formation
- ❖ Some newly formed regional partnerships are still in the conceptual stages and formal agreements are pending review and execution



## Communication Consortia After SICG Round 2

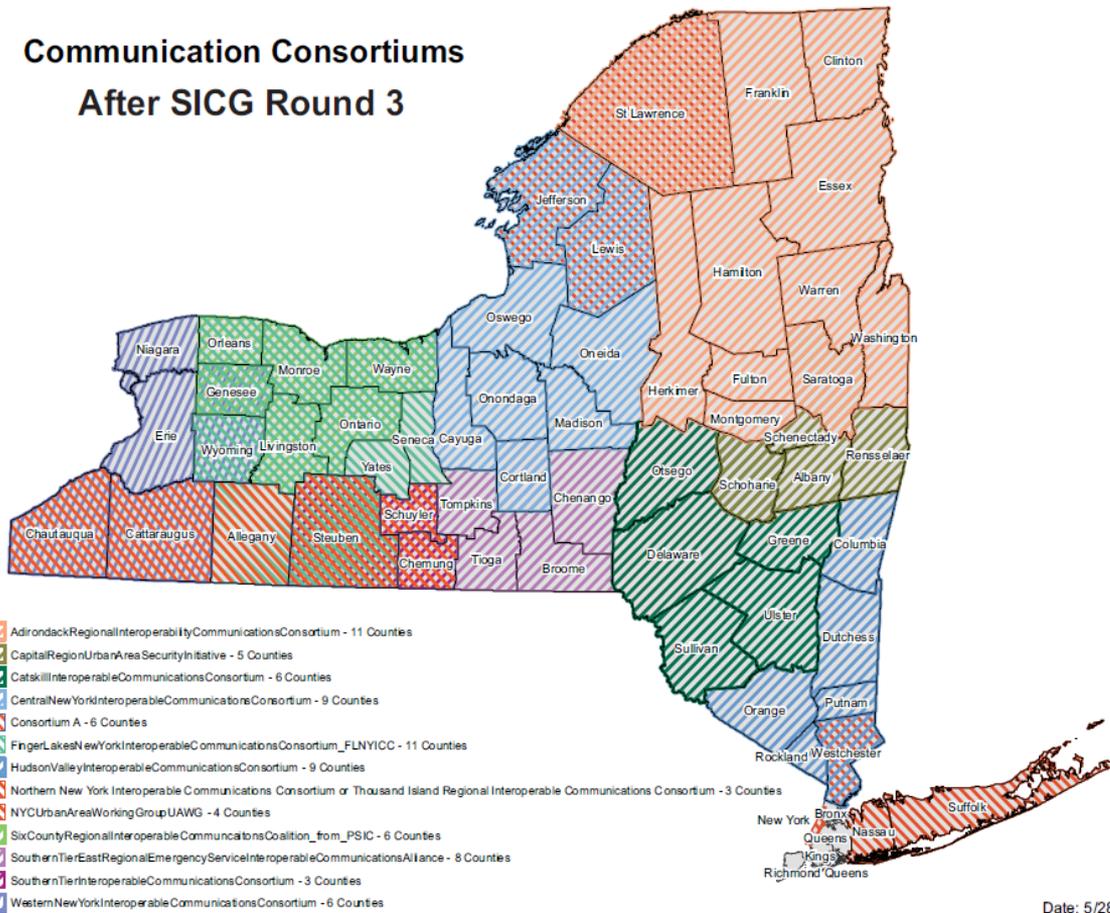


# Year 2012-13

- ❖ 12 Consortia
- ❖ Consortia are being further refined by counties based on their technical capabilities and potential benefits for advancing communications interoperability



## Communication Consortia After SICG Round 3



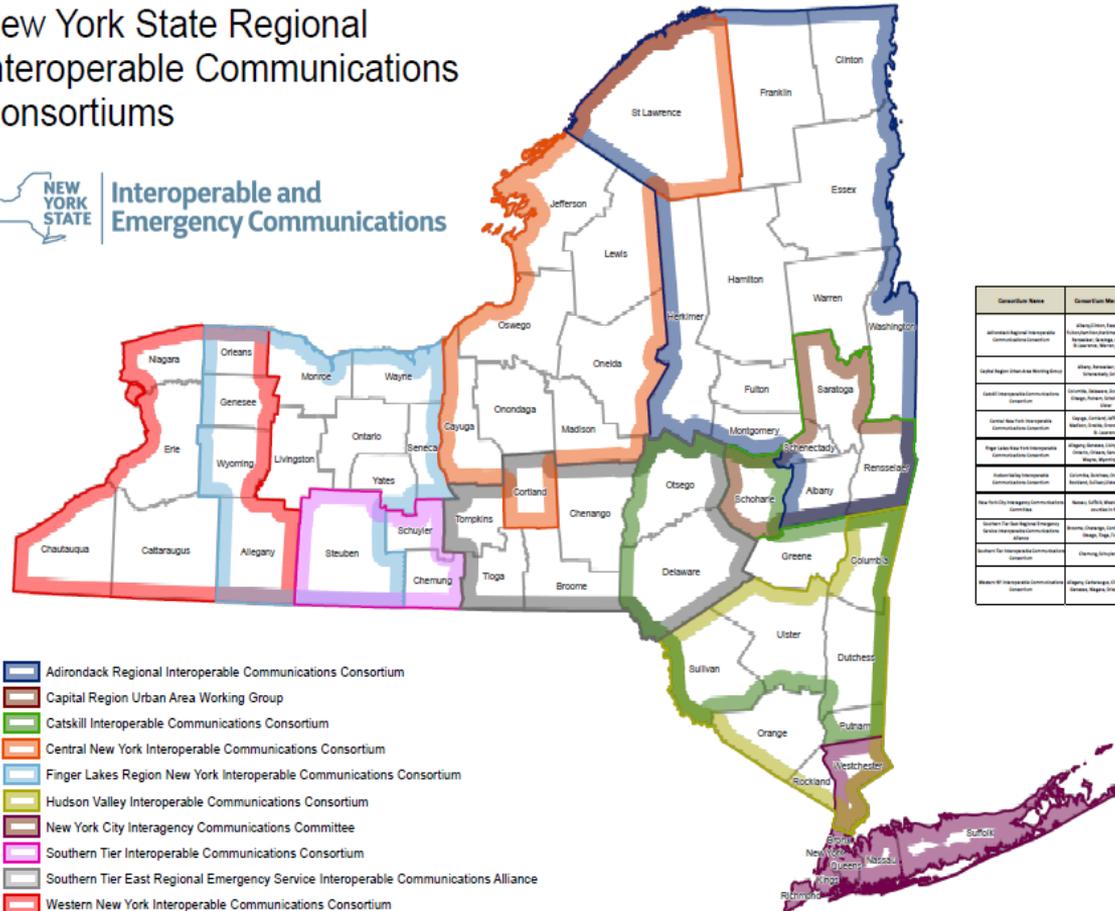
Date: 5/28/2014

# Year 2014

- ❖ 13 Consortia – 100% participation
- ❖ Partnerships reflect their established practices with inter-agency operational and interoperable communications
- ❖ Recent experience with larger-scale emergencies and other events geography



# New York State Regional Interoperable Communications Consortia

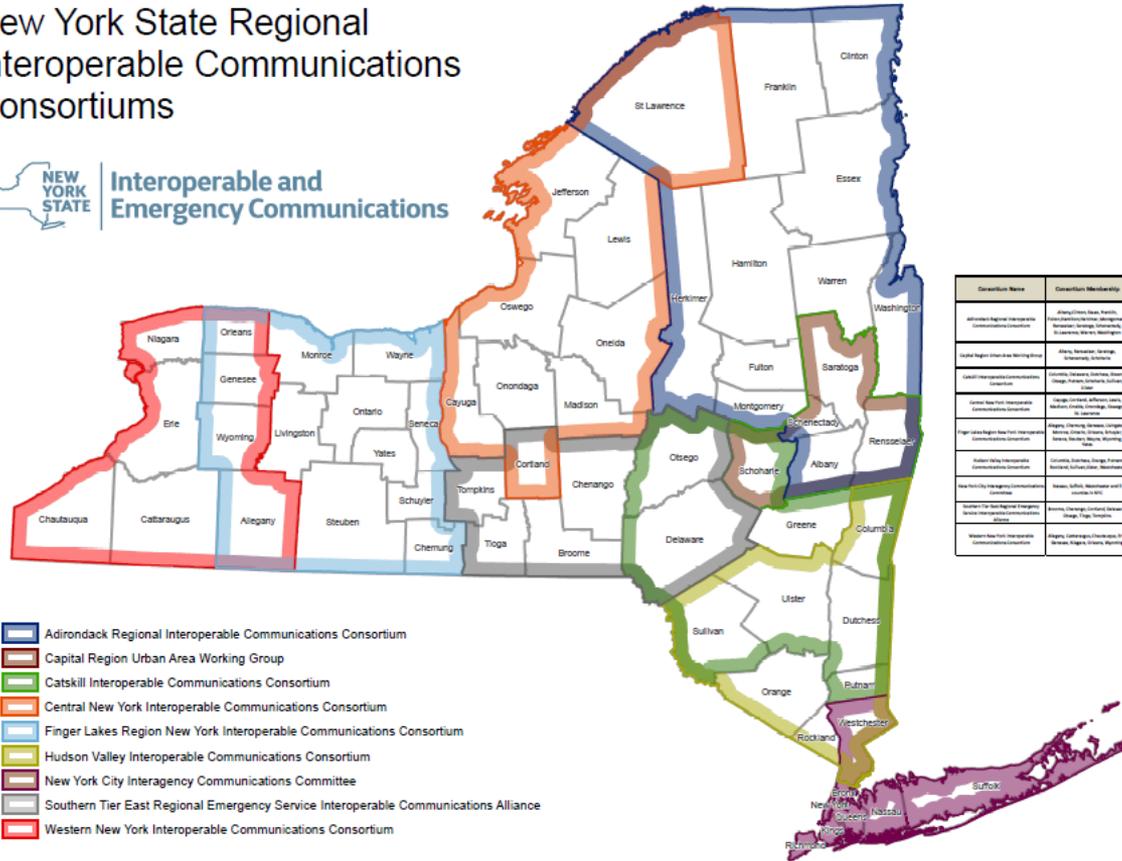


# Year 2015-16

- ❖ 10 Consortia – 100% participation
- ❖ Counties are looking at compatibility of frequencies and licenses, and potential economies of scale

Consortium Name	Current Membership
Adirondack Regional Interoperable Communications Consortium	Adirondack Park, Hamilton, Herkimer, Madison, Warren, Washington, Essex, Franklin, Clinton
Capital Region Urban Area Working Group	Albany, Rensselaer, Saratoga, Schenectady, Montgomery, Fulton, Saratoga
Catskill Interoperable Communications Consortium	Columbia, Delaware, Schoharie, Schoharie, Schoharie, Schoharie, Schoharie, Schoharie
Central New York Interoperable Communications Consortium	Cayuga, Hamilton, Madison, Oneida, Onondaga, Oswego, Yates, Warren, Washington, Essex, Franklin, Clinton
Finger Lakes Region New York Interoperable Communications Consortium	Albany, Rensselaer, Saratoga, Schenectady, Montgomery, Fulton, Saratoga
Hudson Valley Interoperable Communications Consortium	Columbia, Delaware, Schoharie, Schoharie, Schoharie, Schoharie, Schoharie, Schoharie
New York City Interagency Communications Committee	Albany, Rensselaer, Saratoga, Schenectady, Montgomery, Fulton, Saratoga
Southern Tier Interoperable Communications Consortium	Albany, Rensselaer, Saratoga, Schenectady, Montgomery, Fulton, Saratoga
Southern Tier East Regional Emergency Service Interoperable Communications Alliance	Albany, Rensselaer, Saratoga, Schenectady, Montgomery, Fulton, Saratoga
Western New York Interoperable Communications Consortium	Albany, Rensselaer, Saratoga, Schenectady, Montgomery, Fulton, Saratoga

## New York State Regional Interoperable Communications Consortia



Consortium Name	Consortium Membership
Adirondack Regional Interoperable Communications Consortium	Adirondack Park, Hamilton, Warren, Essex, Franklin, Clinton, St. Lawrence
Capital Region Urban Area Working Group	Albany, Saratoga, Schenectady, Rensselaer, Dutchess, Ulster, Sullivan, Delaware, Broome, Tioga, Chemung, Schuyler, Yates, Livingston, Ontario, Seneca, Cayuga, Onondaga, Madison, Hamilton, Warren, Essex, Franklin, Clinton, St. Lawrence
Catskill Interoperable Communications Consortium	Delaware, Broome, Tioga, Chemung, Schuyler, Yates, Livingston, Ontario, Seneca, Cayuga, Onondaga, Madison, Hamilton, Warren, Essex, Franklin, Clinton, St. Lawrence
Central New York Interoperable Communications Consortium	Cayuga, Onondaga, Madison, Hamilton, Warren, Essex, Franklin, Clinton, St. Lawrence
Finger Lakes Region New York Interoperable Communications Consortium	Livingston, Ontario, Seneca, Cayuga, Onondaga, Madison, Hamilton, Warren, Essex, Franklin, Clinton, St. Lawrence
Hudson Valley Interoperable Communications Consortium	Delaware, Broome, Tioga, Chemung, Schuyler, Yates, Livingston, Ontario, Seneca, Cayuga, Onondaga, Madison, Hamilton, Warren, Essex, Franklin, Clinton, St. Lawrence
New York City Interagency Communications Committee	New York City, Westchester, Putnam, Rockland, Orange, Sullivan, Delaware, Broome, Tioga, Chemung, Schuyler, Yates, Livingston, Ontario, Seneca, Cayuga, Onondaga, Madison, Hamilton, Warren, Essex, Franklin, Clinton, St. Lawrence
Southern Tier East Regional Emergency Service Interoperable Communications Alliance	Delaware, Broome, Tioga, Chemung, Schuyler, Yates, Livingston, Ontario, Seneca, Cayuga, Onondaga, Madison, Hamilton, Warren, Essex, Franklin, Clinton, St. Lawrence
Western New York Interoperable Communications Consortium	Livingston, Ontario, Seneca, Cayuga, Onondaga, Madison, Hamilton, Warren, Essex, Franklin, Clinton, St. Lawrence

# Year 2017

- ❖ 9 Consortia – 100% participation
- ❖ Counties are refining consortium agreements, adding new members, and further developing policies and operational procedures
- ❖ Consortium boundaries are now broader and membership includes multiple state agencies and entities



# Resources

- ❖ NYS DHSES Policies and Guidelines  
<http://www.dhses.ny.gov/oiec/plans-policies-guidelines/>
- ❖ NYS DHSES Technical Resources  
<http://www.dhses.ny.gov/oiec/technical-resources/>
- ❖ SAFECOM Guidance <http://www.safecomprogram.gov>
- ❖ NENA Standards related to NG-911 and PSAPs  
[www.nena.org](http://www.nena.org)
- ❖ APCO Standards <https://www.apcointl.org/standards/apco-standards-for-download.html>



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