



Homeland Security
and Emergency Services

State Interoperable & Emergency Communication (SIEC) Board Meeting

July 31, 2019

Welcome and Opening Remarks

Michael A. Sprague,
Director, Office of
Interoperable &
Emergency
Communications,
Chair, SIEC Board

Roll Call

Approval of Minutes

Approval of Agenda

Roll Call; Approval of the
Meeting Agenda;

Approval of Minutes from
May 1, 2019 Meeting

Approval of Agenda for
July 31, 2019

PSAP, SICG and Targeted Grant Updates

Presented by
Larissa Guedko, Radio
Engineer, Office of
Interoperable and
Emergency
Communications



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
2014-15 PSAP Operations	2014-2015	10 million	10 million	01/01/2015 – 12/31/2015
2015-16 PSAP Operations	2015-2016	10 million	10 million	01/01/2016 – 12/31/2016
2016-17 PSAP Operations	2016-2017	10 million	10 million	01/01/2017 – 12/31/2017
2017-18 PSAP Operations	2017-2018	10 million	9.7 million	01/01/2018 – 12/31/2018*
2018-19 PSAP Operations	2018-2019	10 million	2.6 million	01/01/2019 – 12/31/2019

2017-18 PSAP Operations – 2 counties waiting for MWBE waivers



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 – RFA in July-August 2019 (E-Grants)
- ✓ 2019 PSAP Operations Grant – awards are in the review process
- ✓ 2019 SICG Targeted – RFA October – November 2019

TOTAL \$482.6 million in grants

Please visit www.dhSES.ny.gov/oiec/grants for additional information



Standing Committee Reports

Presented by
Michael A. Sprague,
Director, Office of
Interoperable &
Emergency
Communications,
Chair, SIEC Board



911 Advisory Committee

Presented by
Michael A. Sprague,
Director, Office of
Interoperable &
Emergency
Communications,
Chair, SIEC Board

NG 9-1-1 Working Group

Presented by
Brett Chellis, Deputy
Director, Office of
Interoperable and
Emergency
Communications



Communications and Interoperability Working Group

Presented by
Jay Kopstein, Co-Chair
**Mark Balistreri, Radio
Engineer, OIEC**



Functions Include:

- Technical Assistance (TA) Program
- ICS COMU Position Training & Credentialing
- Communication Assets Survey and Mapping (CASM) Tool
- New York State Tactical Interoperable Communications Field Operations Guide (NYSTICFOG)

July 31, 2019

Technical Assistance (TA)

Technical Assistance (TA) Program

The following table reflects the status of New York's FY2019 state requested TA.

Technical Assistance (TA) Program

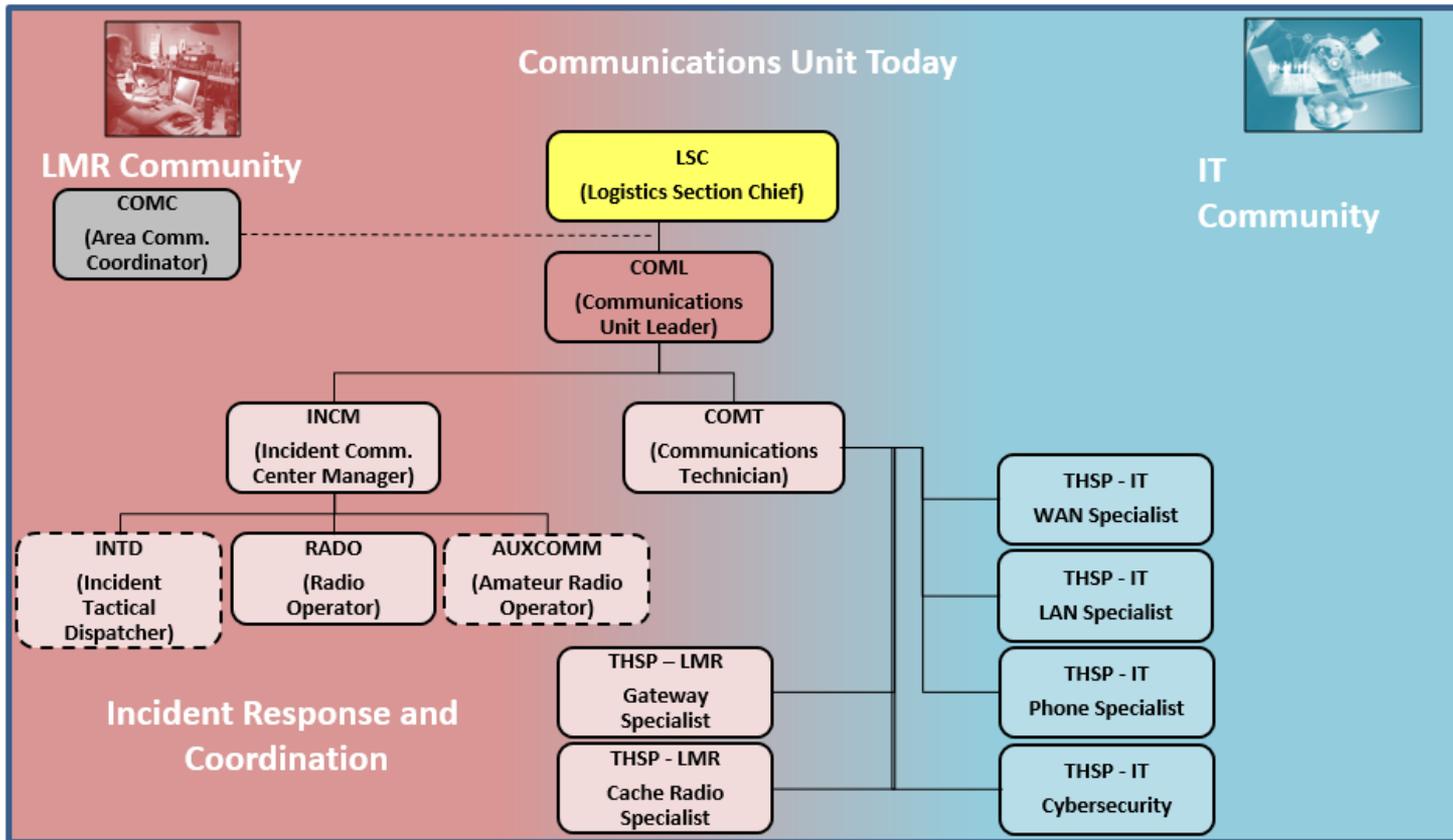
Cat Item	Description	Status	Date	POC
OP-ASMT	Compile good stories from the State for outreach/education including governance and 911 successes.	Accepted WO19-027	TBD	Michael Sprague
SCIP-WKSP	Statewide Communication Interoperability Plan Workshop	Accepted	TBD	Michael Sprague
ENG-NG9-1-1	Next Generation 9-1-1	Accepted	TBD	Michael Sprague
GOV-COMUEMAC	Management Assistance Compact COMU Assistance under Emergency	Accepted	TBD	Michael Sprague



Technical Assistance (TA) Program

Cat Item	Description	Status	Date	POC
TRG-INTD	Incident Tactical Dispatcher Training	Accepted	Jan-Dec 2019	Michael Sprague
OP-EXDESIGN	Communications Focused Exercise Design and Planning	Accepted	Jan-Dec 2019	Michael Sprague
TRG-COMT	Communications Unit Technician Course	Accepted	Jan-Dec 2019	Michael Sprague
TRG-COMT TtT	Communications Unit Technician Train the Trainer Course	Deferred	Jan-Dec 2019	Michael Sprague
TRG-COML	Communications Unit Leader Course	Deferred	Jan-Dec 2019	Michael Sprague





Technical Assistance Requests (2019)

TRG-COMT

Communications Unit Technician
(COMT) Course

(Completed Last Week – 7/26/19)

Technical Assistance Requests (2019)

TRG-INTD

Incident Tactical Dispatcher (INTD)
Course

(Scheduled 10/22/19 – 10/25/19)

Technical Assistance Requests (2019)

OP-EXDESIGN

Communications Focused Exercise
Design and Planning

(Scheduled 3/10/20 – 3/12/20)

Technical Assistance Requests (2019)

TRG-COMT TtT

Communications Unit Technician (COMT)
Train the Trainer Course

(Deferred by DHS – Tentatively Scheduled
for 4/27/20 – 5/1/20, If Approve by DHS)

Technical Assistance Requests (2019)

TRG-COML

Communications Unit Leader (COML) Course

(Deferred by DHS)

** Note: NY State now can teach this course, so we are going to request through TA process to change this course to an Incident Communications Center Manager (INCM) Course.*

NY State COMU Training Program

- Limited to five (5) TA requests per year
 - Generally three (3) get accepted and two (2) are deferred
- In 2019, DHSES-OIEC requested a COML train-the-trainer course, which will allow NY State to train personnel without having to go through the TA process
- NY State now has twelve (12) COML Instructors and are able to teach the COML course ourselves

NY State COMU Training Program

- In 2019, DHSES-OIEC will offer our first NY State Instructed COMU course, as follows:

TRG-COML

Communications Unit Leader (COML) Course

(Scheduled 11/19/19 – 11/21/19)



NY State COMU Training Program

- In 2019, DHSES-OIEC partnered with the State Preparedness Training Center (SPTC), to offer all COMU courses through their registration process
- This has provided a centralized location, as well as, incorporates the COMU training program with other NY State training programs
- DHSES-OIEC will still review any requests for courses, especially ones that are regional, and accommodate, as appropriate

NY State COMU Training Program 2020 Plan

- DHSES-OIEC will request the following TA's in 2020
 - TRG-INTD
 - TRG-AUXCOMM
 - TRG-RADO
 - TRG-AUXCOMM TtT
 - TRG-ITSL
- DHSES-OIEC will offer one (1) or two (2) of COML and or COMT courses in 2020, utilizing State Instructors



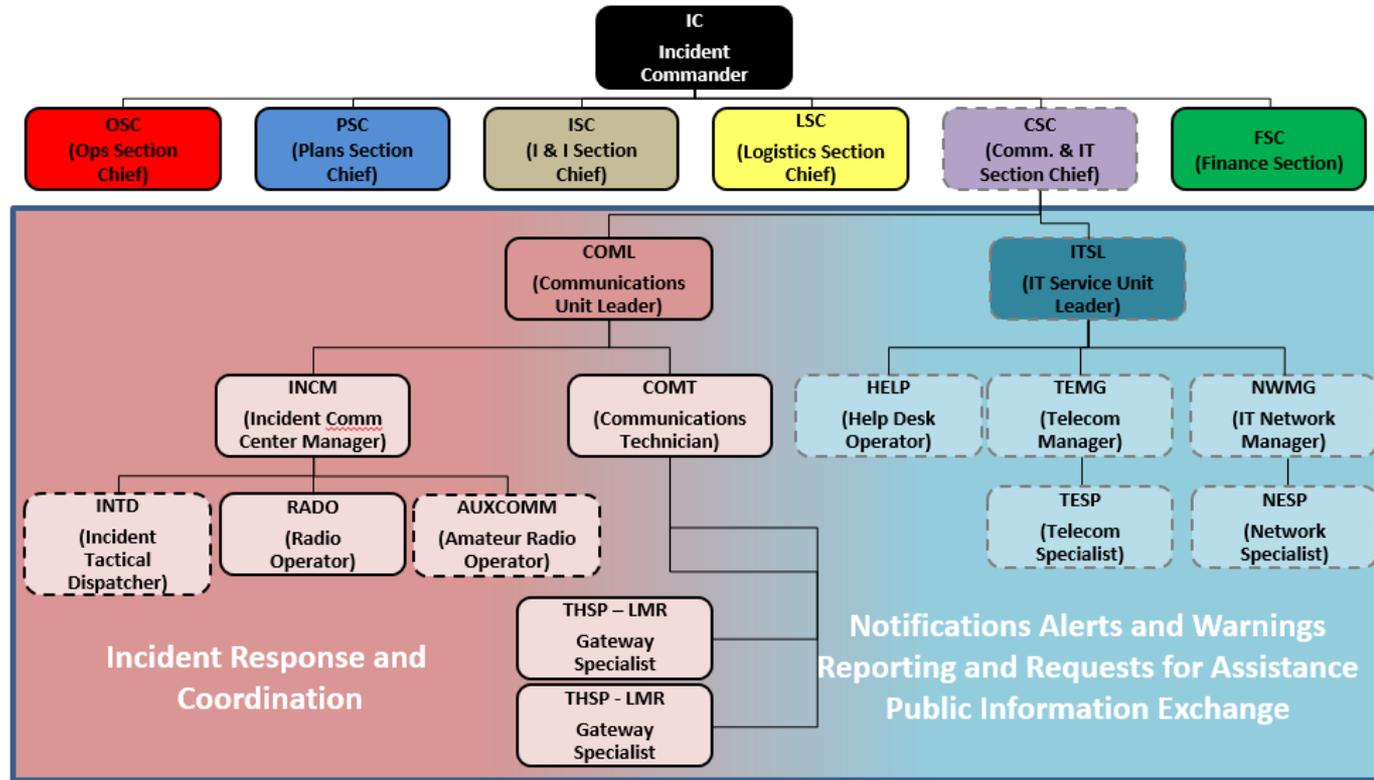
NY State COMU Training Program 2020 Plan

- The 2020 TA requests, along with the courses already accepted and/or scheduled, will help to enhance the COMU program in New York State.
- Once the 2019 TA request for COMT TtT is accepted, scheduled, and completed, New York State will be able to train our own in two (2) of the seven (7) ICS Positions - COML & COMT
- New York State will also continue to partner with our surrounding States, to coordinate COMU training opportunities in the entire Northeast Region

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	30	33
COMT (Instructors)	0	0	0	12	12
INTD	0	0	0	40	40
RADO	0	0	0	20	20
AUXCOMM	0	0	16	30	46
ITSL	0	0	0	20	20

Notional Communications Unit 2.0



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)

- Beginning in 2019, 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 utilize the CASM program, which will increase awareness and usage Statewide.

New York State Tactical Interoperable Communications Field Operations Guide (NYSTICFOG)

- The New York State Tactical Interoperable Communications Field Operations Guide (NYSTICFOG) is a collection of technical reference material to aid Communications Unit personnel in establishing solutions to support communications during emergencies, planned events, and exercises.
- The ability of responders to communicate in real time is critical in establishing command and control at the scene of an incident. This NYSTICFOG condenses information from the regional Tactical Interoperable Communications Plans (TICP) and is intended to document available interoperable communications resources and identify who controls each resource.



New York State

Tactical Interoperable Communications Field Operations Guide (NYSTICFOG)

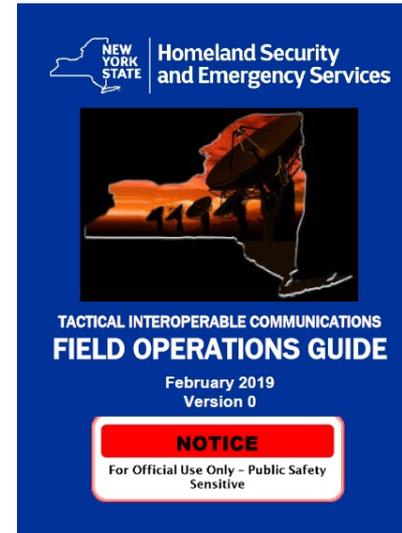


New York State Tactical Interoperable Communications Field Operations Guide (NYSTICFOG)

The NYSTICFOG and regional TICPs are consistent with the goals identified in the New York State Communications Interoperability Plan (SCIP) and the vision statement of the U. S. Department of Homeland Security (DHS), wherein emergency responders can communicate as needed, on demand, and as authorized at all levels of government.

New York State Tactical Interoperable Communications Field Operations Guide (NYSTICFOG)

- Interoperable Communications Consortia
- State Maps
- General Reference Information
- Interoperability & Incident Management
- NY City Federal Interoperability Networks (25 Cities Project)
- NY State Communications Resources
- Consortium Regions
- NYS Interoperable Communications Plans & Policies
- Interoperability Continuum
- Interoperability “Watchout” Situations



New York State Tactical Interoperable Communications Field Operations Guide (NYSTICFOG)

- DHSES-OIEC encourages Communications Personnel to review this NYSTICFOG prior to having to use it at planned or unplanned events.

New York State Tactical Interoperable Communications Field Operations Guide (NYSTICFOG)

- Interoperable Communications Consortia

This section gives a quick reference page that shows the nine (9) Interoperable Communications Consortia in New York State, and which Counties belong to each consortium.

New York State Tactical Interoperable Communications
Field Operations Guide (NYSTICFOG) Version 0 - February 2019

Homeland Security
and Emergency Services

Interoperable Communications Consortia

New York Interoperable Communications Consortia	
Adirondack Region	Albany, Clinton, Essex, Franklin, Fulton, Hamilton, Herkimer, Montgomery, Rensselaer, Saratoga, Schenectady, St. Lawrence, Warren, Washington
Capital Region	Albany, Rensselaer, Saratoga, Schenectady, Schoharie
Catskill Region	Columbia, Delaware, Dutchess, Greene, Otsego, Putnam, Schoharie, Sullivan, Ulster
Central New York Region	Cayuga, Cortland, Jefferson, Lewis, Madison, Oneida, Onondaga, Oswego, St. Lawrence
Finger Lakes Region	Allegany, Genesee, Livingston, Monroe, Ontario, Orleans, Seneca, Steuben, Wayne, Wyoming, Yates
Hudson Valley Region	Columbia, Dutchess, Orange, Putnam, Rockland, Sullivan, Ulster, Westchester
New York City Interagency	Nassau, Suffolk, Westchester and New York City counties
Southern Tier East Region	Broome, Chenango, Cortland, Delaware, Otsego, Tioga, Tompkins
Western Region	Allegany, Cattaraugus, Chautauqua, Erie, Genesee, Niagara, Orleans, Wyoming

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NEW YORK STATE INTEROPERABLE COMMUNICATIONS CONSORTIA



New York State Tactical Interoperable Communications Field Operations Guide (NYSTICFOG)

- Maps

- Unfortunately, all official territorial maps in New York State are different. This section shows the New York State Maps, and the areas they cover, as follows:

NY State Consortium Map; DHSES Regional Map;
NY State Police Troop Map; NY State DOT District Map;
NY State Department of Corrections Map;
NY State DEC Map; NY State Economic Development Regional Map;
and Line A Boundary Map

New York State Tactical Interoperable Communications Field Operations Guide (NYSTICFOG)

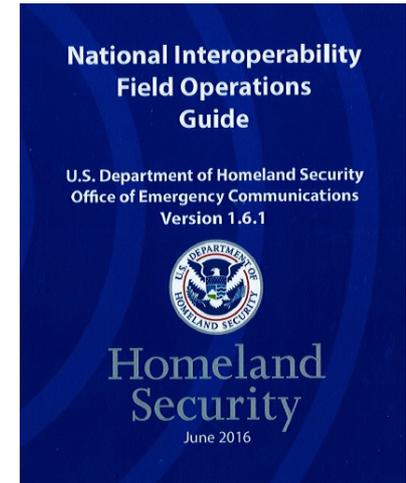
- **Interoperability & Incident Management**
 - Incident Management
 - Organization and Communications Protocols
 - Provides an Organizational Chart of Authorizing Authority for Off-site and On-scene Communications Resources
 - Communications Unit (COMU)
 - Communications Unit Staff Roles
 - Communications Unit (COML) Checklist
 - Interoperability Guidelines in New York

New York State Tactical Interoperable Communications Field Operations Guide (NYSTICFOG)

- Interoperability Guidelines in New York
 - This section provides “General Rule Use” for Prioritization and Shared Use of Interoperable Assets.
 - It also reviews the general information required by a host agency that is asking to deploy or activate interoperable communications assets and resources.

New York State Tactical Interoperable Communications Field Operations Guide (NYSTICFOG)

- National Interoperability Channels (NIFOG)
 - This section provides a quick reference of the National Interoperability Channels, in all bands, and of which is also provided in the NIFOG.



New York State Tactical Interoperable Communications Field Operations Guide (NYSTICFOG)

- New York City Federal Interoperability Networks
 - This section provides a quick reference of radio channel names, frequencies and primary use of these channels in the New York City area.
 - This was part of the 25 Cities initiative, funded through the Federal – COPS Grants program.

New York State Tactical Interoperable Communications Field Operations Guide (NYSTICFOG)

- NY State Communications Resources

- This section provides information on the New York State Communications resources, as follows:

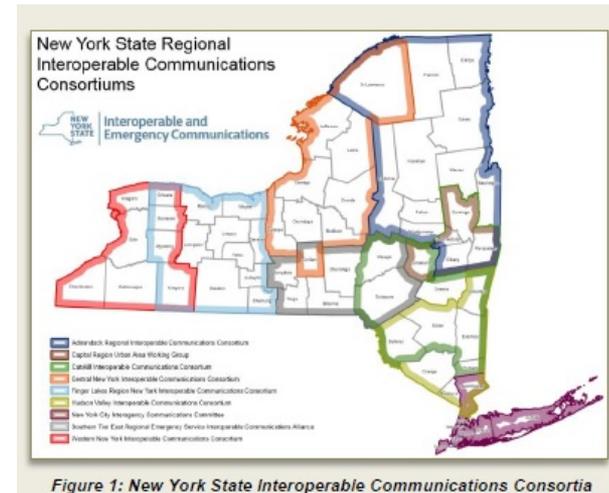
- Dispatch Centers
- Statewide Interoperability Channels
- Mutual Link end points
- Interoperable Repeaters and Base Stations
- Transportable Gateways
- Microwave Link Connectivity Equipment
- Radio Caches
- Mobile Communications Units
- New York State Races Radio
- Minimum Radio Programming Standards



New York State Tactical Interoperable Communications Field Operations Guide (NYSTICFOG)

- Consortium Regions

- This section provides a more detailed breakdown of each of the Consortiums, who are members, and what assets they have in their respective areas:



New York State Tactical Interoperable Communications Field Operations Guide (NYSTICFOG)

- NYS Interoperable Communications Plans & Policies

- This section provides links to different State of New York Interoperable Communications Plans and Policies.

Note: You will have to view these links from an electronic version, in order for them to work properly. Future edits to the NYSTICFOG will include the web addresses for each of the links, or a main web link to the DHSES-OIEC homepage, so you can navigate from there.

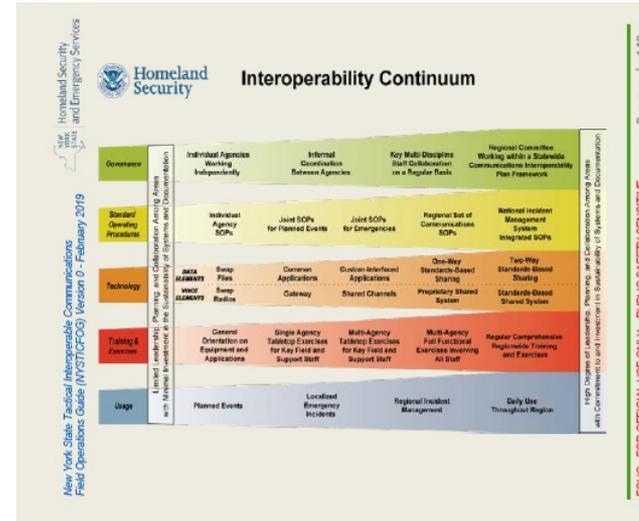
New York State Tactical Interoperable Communications Field Operations Guide (NYSTICFOG)

- Concept of Operations – Requests for Communications Assets
 - This section is different than the section we reviewed earlier, as it deals with how to request New York State Communications Assets, both at the Local level and from other State agencies.

New York State Tactical Interoperable Communications Field Operations Guide (NYSTICFOG)

- Interoperability Continuum

- This page provides a handy pocket copy of the Interoperability Continuum.



New York State Tactical Interoperable Communications Field Operations Guide (NYSTICFOG)

- Interoperability “Watch-out” Situations

- As with anything we do, there are certain things to be careful of.
- This section gives you a good checklist of what to “Watch-out” for, and to help to lessen Communications issues that may arise at your planned or unplanned event.



Questions ?

If you do have questions or need assistance later on:

Mark Balistreri
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518-322-4923

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Public Safety Broadband User Group

Presented by
Matthew Delaney, Radio
Engineer, Office of
Interoperable and
Emergency
Communications



DHSES Updates

- Filed request to extend SLIGP 2 grant to March 2021 (no additional funding); Approve/Deny expected this fall.

Updates from Providers

- The following slides/information were provided by AT&T, FirstNet Authority and Verizon Wireless. DHSES is presenting these as an update on the status of public safety broadband.

New York State Commitments Update

AT&T Program Management Office (PMO)
FirstNet

May 31, 2019



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FirstNet Band 14 Coverage

- Percent of planned FOC coverage currently in place:
 - Rural Square Miles: 68.0%
 - Non-Rural Square Miles: 98.1%

Band 14 New Sites - 100 sites committed

- 2.0% of sites are under construction
- 3.0% of sites have completed site acquisition
- 93.0% of sites are in planning with site location identified
- 2.0% of sites are in planning with site location still to be finalized

AT&T Commercial New Sites - 260 sites committed

- 23.8% of sites are On-Air

FirstNet Deployables - 2 committed

- Delivered deployable(s): all in [Central NY]
- Additional Commitment: Access to 1 deployable in MA, 5 in NJ, and 3 in OH
 - Delivered deployable(s): 2 of 3 in [Western], OH; all in [Central] NJ; and all in [Eastern], MA

Back-up Power – up to 250 sites committed

- 11.2% delivered

Emergency Communications Portables - 4 committed

- 0% delivered

The following is a Program and Nationwide Planned Technology Enhancements Roadmap.



**Additional
FirstNet SatCOLT
Security
Encryption**



**Additional FirstNet Ready
devices capable of Wi-Fi
Calling and Advanced
Messaging**



**Enhancements to
the Network
Status Map in
Local Control**

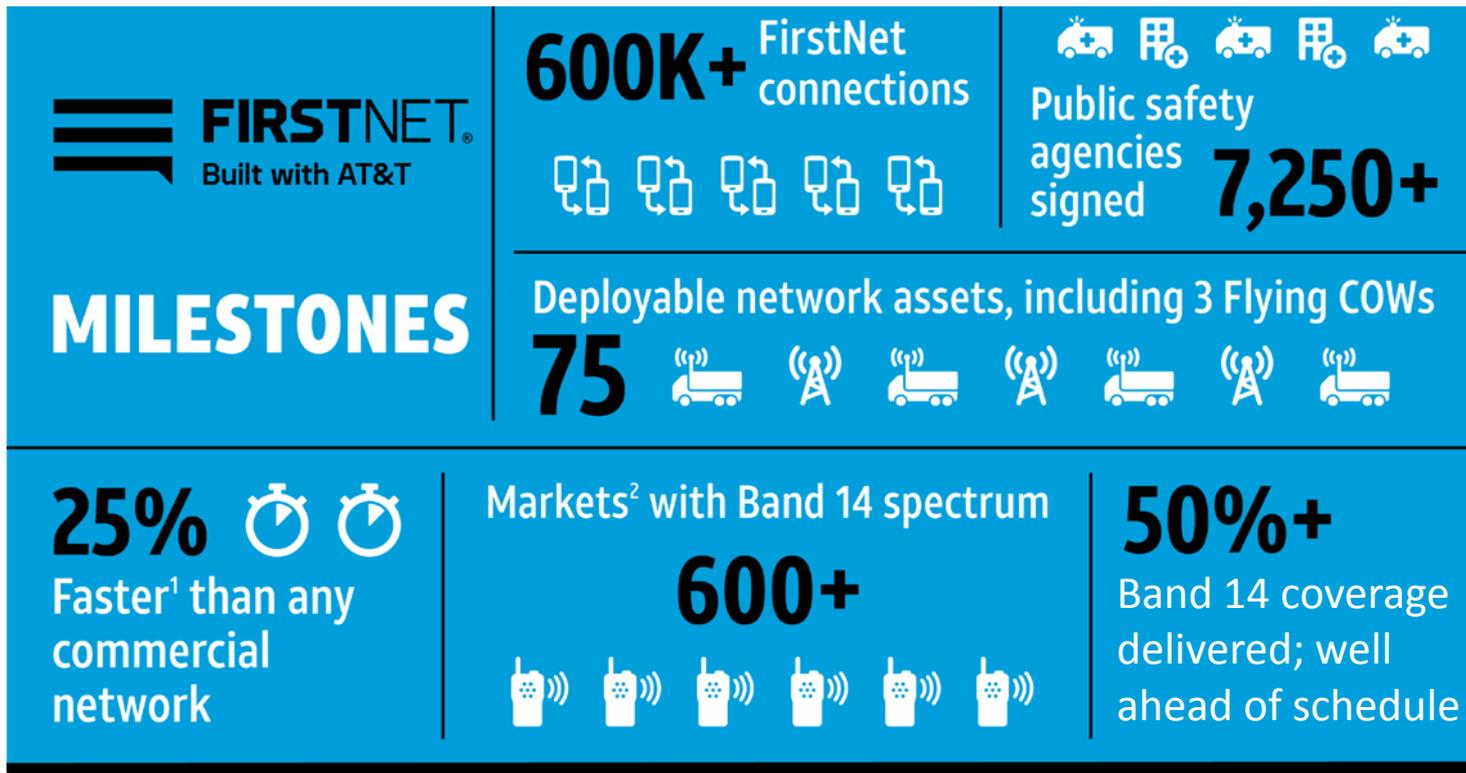


**Additional APIs that
benefit from
Dynamic Quality of
Service, Priority,
and Preemption
(QPP)**



**End-to-End Digital Sign-up
Portal for Subscriber Paid
Users**

The following displays program accomplishments at the Nationwide Level and is not intended to reflect individual state specific achievements.



¹ Based on AT&T analysis of Ookla® Speedtest Intelligence® data average download speeds for Q1 2019. Ookla trademarks used under license and reprinted with permission.

² Markets defined by FCC CMAs.

FirstNet Authority

- Working on our investment Roadmap for the next five year period. The SPOC Team and FirstNet will be working closely together to gather NYS responder's feedback through some upcoming "Roadmap Summits".
- Brian LaFlure and Kelly Donoghue attended the National Summit in Phoenix as FirstNet invitees. The national event was limited to responders, with Governance invitees (SPOC teams, or larger bodies) being scheduled locally.

Verizon Public Safety Updates

- Mobile Broadband Priority services are available on Verizon's NYS OGS Contract.
- Preemption is available with a trial agreement and Verizon is working with NYS OGS to addendum the contract to include it permanently.
- Verizon's Public Safety Core Service, for segregating first responder traffic on their network, is currently available on New York State Contract for customers with a private network. Non Private Network Customers can still sign up for the service with a trial agreement, until it is permanently put on State contract.
- Public Safety Unlimited Mobile Broadband plan with no throttling and network priority is available on NYS contract.
- Several Ultra Rugged Public Safety Grade devices are available through Verizon including the Sonim XP5S Push to Talk Phone and XP8 Smartphone.
- Verizon has launched a real time response system that incorporates intelligent video with gunshot detection, as well as other smart city solutions.
- Verizon's Response team has named a new regional coordinator, Mike Begonis. He can assist with any deployable or network planning needs for either planned events or crisis response. He can be reached directly at 978-604-2748 or you can call the 24 hour response center at 1-800-981-9558.
- Verizon continues to invest in and expand their network throughout New York State. Verizon has shifted their network strategy to fill in coverage gaps across the state, in addition to adding additional capacity.

State Agency Communications Working Group

Presented by
Michael A. Sprague,
Director, Office of
Interoperable &
Emergency
Communications,
Chair, SIEC Board



State Agency WG

- Conference Call on May 13, 2019
- Discussed Collective Agency Radio Request
- No movement on RDCP

- July Update – Affirmation by NYSP of the RDCP use of Statewide Frequency with MOU to follow



Channel Naming and Use Working Group

Presented by
Matthew Delaney, Radio
Engineer, Office of
Interoperable and
Emergency
Communications



Citizen Alerting Committee

Presented by
Michael A. Sprague,
Director, Office of
Interoperable &
Emergency
Communications,
Chair, SIEC Board



CAC Committee

- PI&W (Public Information & Warning) internal DHSES working group
- EAS Conference Call with FEMA regarding Suffolk County
- FEMA IPAWS Webinar
- August 7th EAS Test



CAC Committee

- Alfred Kenyon IPAWS Customer Support Branch Chief, sent out the Quarterly Status Report effective July 1, 2019
 - Effective July 1st, IPAWS COG MOAs no longer need to be individually reviewed and signed by the FEMA CIO, Change is part of an update to the MOA which now includes a required monthly “Proficiency demonstration” by every IPAWS
 - IPAWS MOAs officially have a three year lifespan. Revising MOA & streamlining approval process, They will more actively pursue MOA renewals.
 - MOA Digital certificates are now required & good for three years. a COG will remain in active status during updating, however MOA digital certs absolutely stop working on their expiration date.
 - Many COGs were initially approved in 2015, we are replacing expiring digital certs to maintain COG operational status.



CAC Committee

- NYS Broadcaster Association in the process of updating their plan
- Have received a copy of their old plan to review

New Business

Presented by
Michael A. Sprague,
Director, Office of Interoperable
& Emergency Communications,
Chair, SIEC Board



New Business

- OIEC FCC Licensing Guidance
- Good of the Order
- Next Meeting –November 6, 2019

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.

Summary, Closing Remarks and Adjournment

Presented by
Michael A. Sprague,
Director, Office of
Interoperable &
Emergency
Communications,
Chair, SIEC Board

