State Interoperable & Emergency Communication (SIEC) Board Meeting

April 11, 2018

Welcome and Opening Remarks

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

Roll Call and Approval of Minutes

Roll Call; Approval of the Meeting Agenda; Approval of Minutes from January 31, 2018 Meeting

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Legal Report

Presented by
Angelica Kang,
DHSES
Counsel's Office
OIEC Program Attorney

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SIEC Board Member Ethics Requirements
- NYS Joint Commission on Public Ethics (JCOPE) governs
- Board members = policy makers, therefore Financial Disclosure Statement (FDS) filers
- 2017 FDS filing due: May 15, 2018
- DHSES oversees Board Member training compliance

Executive Law §94
- Online Ethics Orientation Course – w/in 3 months of appointment
  - *NOT* a substitute for Comprehensive Ethics Training Course
- Comprehensive Ethics Training Course (CETC) – w/in 2 years of appointment
- Ethics Seminar (ES) – every 3 years (or CETC)

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Comprehensive Ethics Training Course (CETC)

- In-person required
- CETC today after SIEC Board meeting
  - 2 hours, working lunch
- Other dates:

Date	Time	Location
April 12, 2018	1-3PM	JCOPE
May 10, 2018	1-3PM	JCOPE
May 23, 2016	10AM-12PM	DHSES
June 7, 2018	1-3PM	JCOPE

- Registration required; first come, first served
- If training completed at JCOPE, submit JCOPE-issued certificate of completion to Angelica Kang or Joann Waidelich

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Ethics Seminar (ES)
- Prerequisite: successful completion of CETC
- "Refresher course"
- In-person required
- Other dates:

Date	Time	Location
April 25, 2018	10AM-12PM	DHSES
April 26, 2018	1-2:30PM	JCOPE
May 24, 2018	1-2:30PM	JCOPE
June 14, 2018	1-2:30PM	JCOPE

- Registration required; first come, first served
- If training completed at JCOPE, submit JCOPE-issued certificate of completion to Angelica Kang or Joann Waidelich

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DHSES Ethics
- Ethics.Unit@dhses.ny.gov
- (518) 242-5000
- Ethics Officer: Jim Clark, Esq.
- Ethics trainer: Angelica Kang, Esq. (angelica.kang@dhses.ny.gov)

JCOPE
- https://www.jcope.ny.gov
- Ethics Course Offerings: https://www.jcope.ny.gov/course-offerings

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PSAP and SICG 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	99.7 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	65.8 million	12/03/2013-12/02/2018
2014 PSAP	2014-2015	10 million	10 million	01/01/2015-21/31/2015
Round 4 SICG	2014-2015	50 million	20.5 million	01/01/2016-12/31/2018
2015 PSAP	2015-2016	10 million	10 million	01/01/2016-12/31/2016
2016 PSAP	2016-2017	10 million	7 million	01/01/2017-12/31/2017
2016 SICG Formula	2015-2016	45 million	6.2 million	01/01/2017-12/31/2018

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SICG Program Overview(Continued)

Program Name	Appropriation Year	Appropriation Amount $$	Reimbursed $$	Project Period
2017 SICG Formula	2016-2017	45 million	Contracts Development	01/01/2018 – 31/12/2019
2017 PSAP Formula	2017-2018	10 million	Contracts Development	01/01/2018 – 31/12/2018

Anticipated RFAs Schedule:
SICG Formula Grant *–every year in May-June*
PSAP Operations Grant *- every year in May-June*
SICG Targeted Grant *– ongoing, rolling schedule*

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SICG Program Overview

- ✓ **2018 SICG Formula – RFA is in the review and approval process**
- ✓ **2018 PSAP Operations Grant – RFA is in the review and approval process**
- ✓ **SICG Targeted – in progress**

TOTAL $395 million in grants
Please visit www.dhses.ny.gov/oiec/grants for additional information

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SICG Program Overview(Continued)

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Anticipated RFAs Schedule:
SICG Formula Grant –*every year in May-June*
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SICG Targeted Grant – *ongoing, rolling schedule*

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SFY2018-19 SICG and PSAP Funding Appropriations

$65 million for targeted and formula-based Interoperability grants
- **Targeted**: **$20 million** for large-scale radio projects to close gaps in regional communications capability
- **Formula: $45 million** allow for on-going sustainment and improve interoperability between counties and regional partners

$10 million – PSAP Operating Grant
An annual formula-driven grant to support ongoing operations of public safety communications centers

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Targeted Interoperability Grant

❖ **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.)

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Targeted Interoperability Grant

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

❖ Continued implementation of CALLing and TACtical channels in subscriber equipment

❖ Development of governance – TICPs, FOGs, SOPs, MOUs

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

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Measuring the Progress

Key Factors	% Achieved To Date	Funding Source
County membership in a regional consortium	100%	N/A
System design integrates multiple public safety disciplines	100%	N/A
County allows for other public safety/public service agencies (including State agencies and authorities) to operate on county's radio system(s)	100%	N/A
Implementation of National Interoperability Channels in subscriber equipment funded with SICG	100%	N/A

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Measuring the Progress

Key Factors	% Achieved To Date	Funding Source
Statewide implementation of VHF-Lo band CALLing National Interoperability Channel on the infrastructure basis	55% (32 out of 58)	Targeted Grant
Statewide implementation of VHF-Hi band CALLing National Interoperability Channel on the infrastructure basis	37% (22 out of 58)*	Targeted Grant
Statewide implementation of UHF band CALLing National Interoperability Channel on the infrastructure basis	36% (21 out of 58)*	Targeted Grant
Statewide implementation of 700/800MHz band CALLing National Interoperability Channel on the infrastructure basis	36% (21 out of 58)*	Targeted Grant

Measuring the Progress

Key Factors	% Achieved To Date	Funding Source
Capability for 24/7 monitoring of National Interoperability CALLing channels	71% (41 out of 58)*	Targeted/Formula Grant
Communications Assets Survey Mapping (CASM) inventory	100%	Targeted/Formula Grant
Executed agreements between State agencies and Counties for emergency communications and/or dispatching	100%	Targeted/Formula Grant
Collaboration between and among consortiums/regions, such as Development of TICPs and regional Field Operations Guides (FOG) for use in a region-wide emergency	50% (29 out of 58)*	Targeted/Formula Grant

Measuring the Progress

Key Factors	% Achieved To Date	Funding Source
Communications network connectivity/backhaul within consortiums/regions	50% (29 out of 58)*	Targeted/Formula Grant
Communications network connectivity/backhaul between consortiums/regions	Not captured	Targeted/Formula Grant
State of the art subscriber equipment	N/A – requires continued investment/support	Formula Grant
Communications network maintenance and sustainment	N/A – requires continued investment/support	Formula Grant
Communications network tech-refresh	N/A – requires continued investment/support	Formula Grant

Standing Committee Reports

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

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911 Advisory Committee

Presented by
Sheriff Joseph Gerace,
Chautauqua County

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NG 9-1-1 Working Group

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

NG 9-1-1 Working Group

- Conference calls
  - Reports from agencies
  - Discussion
  - Draft plan work
- OIEC and DPS continue to work on legal and programmatic review and preparing information for chamber

NG911 WG activity

- Ongoing conference calls
  - Reviewing legislative activity federal level
    - Next Generation 911 Act of 2017
  - Reviewing FCC activity
    - Location Accuracy Requirements
    - MLTS Direct Dialing of 911 and location requirements
    - Kari's Law
    - Nationwide Number Portability
    - Net Neutrality
    - FCC 911 Report

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NG911 WG Activity Con't:

- National Highway Traffic Safety Admin.
  - 911 Grant Program-Notice of Proposed Rulemaking
- NENA/APCO
  - Standards development

Technical Assistance Services

- Working group and OIEC worked with OEC TA contractors on language for a draft New York State NG911 plan. The Working Group and OIEC is editing and adding to the state draft plan.

- OEC TA program expired but an application has been filed to extend the program services.   That is pending for approval and scheduling with DHS OEC.

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2018 NG911 Goals and Objectives

1. Develop programmatic responsibility for NG911

2. Continue development of Statewide 911 plan.

3. Define roles of other state agencies within the plan

4. Establish timeline and roadmap for NG911

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GIS Subcommittee Report

- Bob Gehrer, ITS GIS Program

Communications and Interoperability Working Group

Presented by
Jay Kopstein and Eric Day, Co-Chairs

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Public Safety Broadband User Group

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

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What Opt-In means for NY

- PS stakeholders retain choice of providers
  - **No mandate to use FirstNet**
  - AT&T adoption goals/penalties; need PS subscribers
  - Agencies may be able to influence RAN build-out

- FirstNet expected to drive innovation
  - Public safety apps, devices
  - Some will be compatible with other providers

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The Benefits of FirstNet

- Creates a large market; encourages product development
  - user equipment/accessories
  - applications
  - system interfaces

- FirstNet's test lab & certification of apps
  - user devices/apps vetted for PS fitness, supplier support

- FirstNet is a single shared nationwide system

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PSBB offerings in New York State

- AT&T/FirstNet will provide priority & pre-emption service for public safety

- Verizon has advertised they will provide a priority and preemption service for public safety
  - Have stated it will be no cost to existing PS users
  - Details on integration/interoperability are still uncertain

- AT&T/FirstNet may offer some exclusive solutions

- Competition should provide a benefit to public safety: price, equipment options, and applications

Over the Past 3 Months

DHSES has been having regular meetings with FirstNet/AT&T to discuss implementation of FirstNet in New York

- AT&T has committed to a significant number of new sites as part of the FirstNet build-out (will serve both PS and consumer users).

- Focus on building coverage where there is no AT&T coverage today, with an emphasis on area.

- AT&T will add generators to many sites (many already have generators) and all new sites will have a generator (where permitted).

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Over the Past 3 Months – Cont'd

- AT&T has submitted pricing to OGS to add the FirstNet plans to AT&T's existing contract…however OGS still has the addition pending.

- Something that needs more work by FirstNet and AT&T is governance and policies. Services being sold…but what are the policies around it?

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SLIGP 2.0

- DHSES has received a Federal SLIGP 2.0 grant from NTIA

- Allowable Activities
  - Identify coverage needs/gaps within the State
  - Plan for the transition of public safety applications, software, and databases
  - Development of policies to increase data sharing between existing public safety systems
  - Stakeholder outreach events (as requested by FirstNet)
  - Data collection in specific areas (as requested by FirstNet)

- Period of Performance: Mar 2018 - Feb 2020

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PSBB User Group (PSBBUG)

- PSBBWG → PSBBUG (PSBB User Group)

    – BBUG Purpose: NY's user stakeholder focal point for all things Public Safety Broadband (PSBB)

        • Next meeting (WebEx) scheduled for later this month. If you are not a member and are interested in participating, let us know.

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What's Next

Continue to advocate for PS in New York

- Coverage

- Governance

- Apps

State Agency Communications Working Group

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

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State Agency Meeting
February 21, 2018

- FirstNet Update
- Highlighted Upcoming Symposium March 19th- thru 21st 2018
- CASM Updates
  - Covered capabilities in brief as an asset and personnel database.
  - Covered application process, who should be assigned and maintaining accounts.
- New York State Police
  - Discussed Multi-band radio testing with County systems.
  - Discussed 2020 radio system end of life and options being currently explored.

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Channel Naming and Use Working Group

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

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Federal IO Channels

- There are Federal Interoperability Channels in VHF and UHF (low). (LE/IR)

- These are NOT the same as the National Interoperability Channels…although some confuse the naming and/or refer to the NIO as the Federal channels.

- Channels fall under the authority of the NTIA. Agreements are required for non-Federal users.

- For Federal/Non-Federal interoperability. Not for internal state/local use.

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Federal IO Channels - Access

- A MOU template has been developed for use between the US Gov't and the states.

- The US Dept. of the Interior will serve as the Federal agency.

- Each state, acting through their SWIC, who wishes to participate will sign the MOU.

- Current status in NY: The draft MOU had to get reviewed again (legal), but review has been completed and is awaiting permission for signatures. DHSES policies/process related to the channel usage will then follow.

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Standardized Encryption

- The FCC requires the National Interoperability Channels, except at 700 MHz, to be analog.

- So VTACs, UTACs and 8TACs must be analog and to be non-proprietary, in the clear.

- This means the only National Interoperability Channel set where interoperable encryption can occur is at 700 MHz. And that MUST be AES. But the 700 Calling Channels must be in the clear.

- The Federal Interoperability Channels permit encryption. This is one of the reasons for the State to pursue use (e.g. LE encrypted between State/local and Federal at an incident).

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Encryption Guideline

- Last week I had a conversation with CBP's National Law Enforcement Communications Center (NLECC).

- Their suggested way for NY to move forward is for us to create a guideline that instructs agencies/counties wishing to deploy AES to email NLECC and ask for a CKR/SLN and a KID. They will then assign a unique set that does not overlap anyone else in the country.

- You maintain total control of your key material (the actual encryption key).

- Need to develop this guideline ASAP for the benefit of those with new systems or rekeying. Guideline will also address interoperable encryption (nationwide keys).

- Next Board meeting isn't until fall – But this guidance should be made available to all sooner rather than later.

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Citizen Alerting Committee

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

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New Business

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

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DHSES/OIEC
2018 Communications Consortium Symposium

Hotel Thayer, West Point
March 19th, 20th and ~~21st~~ 2018

113 people Attended the sessions
55 took the tour of West Point
C^3 Meeting – 28 Attended
Shortened by Winter Storm Toby (Dusha)

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Symposium Topics

FirstNet Update   Matthew Delaney, Radio Engineer
NG911 State Plan   OIEC Deputy Director Brett Chellis
CanUS Updates   Ted Lawson CanUS Program Lead, DHS/OEC
2017 Hurricane Impacts:
   * Hurricane Harvey Response Texas   Todd Early, Director – Public Safety Communications Service
                                            Texas Department of Public Safety, SWIC
   * The Initial Response to Hurricane Irma and Hurricane Maria   Bryan Krane, FEMA Region II Regional/Disaster
                                            Emergency Communications Coordinator
   * Emergency Communications Support during 2017 Disasters   Christopher Tuttle, OEC; Kevin Stone, HIS;
                                            Bryan Krane FEMA

Consortium History   Larissa Guedko, OIEC
C^3 Report,   Michael Sprague, OIEC and Consortium Chairs
Consortium Presentations:
   * System Networking   ARICC, Brian LaFlure, Warren County
   * Regional Governance   CNYICC, Scott Roman, Cortland County
MTAPD Metropolitan Regional Radio System Project – John M. Vallarelli, Captain Deputy Project Manager MTAPD
Interoperability Planning   Larissa Guedko, OIEC
Interoperability Use Statewide; Use of National and Federal Interop Channels   Matt Delaney, OIEC
COMU Program; CASM; SCIP; TICP & New State FOG –   Mark Balistreri, DHSES/OIEC
Quad-State Interoperability Planning   Jeff Lee, Consultant Lafayette Group, John Miller, NJ SWIC, Mike Sprague
**Banquet Key Note Speaker - Roger L. Parrino, Sr., Commissioner, NYS DHSES.

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Summary, Closing Remarks and Adjournment

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

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