State Interoperable & Emergency Communication (SIEC) Board Meeting
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
Legal Report

Presented by
Angelica Kang, DHSES Counsel’s Office OIEC Program Attorney
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)
Comprehensive Ethics Training Course (CETC)
• In-person required
• CETC today after SIEC Board meeting
  • 2 hours, working lunch
• Other dates:

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 12, 2018</td>
<td>1-3PM</td>
<td>JCOPE</td>
</tr>
<tr>
<td>May 10, 2018</td>
<td>1-3PM</td>
<td>JCOPE</td>
</tr>
<tr>
<td>May 23, 2016</td>
<td>10AM-12PM</td>
<td>DHSES</td>
</tr>
<tr>
<td>June 7, 2018</td>
<td>1-3PM</td>
<td>JCOPE</td>
</tr>
</tbody>
</table>

• Registration required; first come, first served
• If training completed at JCOPE, submit JCOPE-issued certificate of completion to Angelica Kang or Joann Waidelich
Ethics Seminar (ES)
- Prerequisite: successful completion of CETC
- “Refresher course”
- In-person required
- Other dates:

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>April 25, 2018</td>
<td>10AM-12PM</td>
<td>DHSES</td>
</tr>
<tr>
<td>April 26, 2018</td>
<td>1-2:30PM</td>
<td>JCOPE</td>
</tr>
<tr>
<td>May 24, 2018</td>
<td>1-2:30PM</td>
<td>JCOPE</td>
</tr>
<tr>
<td>June 14, 2018</td>
<td>1-2:30PM</td>
<td>JCOPE</td>
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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
PSAP and SICG Grant Updates

Presented by Larissa Guedko, Radio Engineer, Office of Interoperable and Emergency Communications
# SICG Program Overview

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Appropriation Year</th>
<th>Appropriation Amount $$</th>
<th>Reimbursed $$</th>
<th>Project Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Round 1 SICG</td>
<td>2010-2011</td>
<td>20 million</td>
<td>20 million</td>
<td>12/21/2011-09/30/2014</td>
</tr>
<tr>
<td>Round 2 (SICG)</td>
<td>2011-2013</td>
<td>102 million</td>
<td>99.7 million</td>
<td>02/04/2013-02/03/2018</td>
</tr>
<tr>
<td>Round 2 (2012 PSAP)</td>
<td>2011-2012</td>
<td>9 million</td>
<td>9 million</td>
<td>05/01/2013-04/30/2017</td>
</tr>
<tr>
<td>Round 2 (2013 PSAP)</td>
<td>2012-2013</td>
<td>9 Million</td>
<td>8.9 million</td>
<td>06/25/2014-06/24/2017</td>
</tr>
<tr>
<td>Round 3 SICG</td>
<td>2013-2014</td>
<td>75 million</td>
<td>65.8 million</td>
<td>12/03/2013-12/02/2018</td>
</tr>
<tr>
<td>2014 PSAP</td>
<td>2014-2015</td>
<td>10 million</td>
<td>10 million</td>
<td>01/01/2015-21/31/2015</td>
</tr>
<tr>
<td>Round 4 SICG</td>
<td>2014-2015</td>
<td>50 million</td>
<td>20.5 million</td>
<td>01/01/2016-12/31/2018</td>
</tr>
<tr>
<td>2015 PSAP</td>
<td>2015-2016</td>
<td>10 million</td>
<td>10 million</td>
<td>01/01/2016-12/31/2016</td>
</tr>
<tr>
<td>2016 PSAP</td>
<td>2016-2017</td>
<td>10 million</td>
<td>7 million</td>
<td>01/01/2017-12/31/2017</td>
</tr>
<tr>
<td>2016 SICG Formula</td>
<td>2015-2016</td>
<td>45 million</td>
<td>6.2 million</td>
<td>01/01/2017-12/31/2018</td>
</tr>
</tbody>
</table>
### SICG Program Overview

**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
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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<tr>
<td>2017 PSAP Formula</td>
<td>2017-2018</td>
<td>10 million</td>
<td>Contracts Development</td>
<td>01/01/2018 – 31/12/2018</td>
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**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*
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
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 consortia/regions (microwave, fiber, etc.)
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.
# Measuring the Progress

<table>
<thead>
<tr>
<th>Key Factors</th>
<th>% Achieved To Date</th>
<th>Funding Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>County membership in a regional consortium</td>
<td>100%</td>
<td>N/A</td>
</tr>
<tr>
<td>System design integrates multiple public safety disciplines</td>
<td>100%</td>
<td>N/A</td>
</tr>
<tr>
<td>County allows for other public safety/public service agencies (including State agencies and authorities) to operate on county’s radio system(s)</td>
<td>100%</td>
<td>N/A</td>
</tr>
<tr>
<td>Implementation of National Interoperability Channels in subscriber equipment funded with SICG</td>
<td>100%</td>
<td>N/A</td>
</tr>
</tbody>
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## Measuring the Progress

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<tr>
<td>Statewide implementation of VHF-Lo band CALLing National Interoperability Channel on the infrastructure basis</td>
<td>55% (32 out of 58)</td>
<td>Targeted Grant</td>
</tr>
<tr>
<td>Statewide implementation of VHF-Hi band CALLing National Interoperability Channel on the infrastructure basis</td>
<td>37% (22 out of 58)*</td>
<td>Targeted Grant</td>
</tr>
<tr>
<td>Statewide implementation of UHF band CALLing National Interoperability Channel on the infrastructure basis</td>
<td>36% (21 out of 58)*</td>
<td>Targeted Grant</td>
</tr>
<tr>
<td>Statewide implementation of 700/800MHz band CALLing National Interoperability Channel on the infrastructure basis</td>
<td>36% (21 out of 58)*</td>
<td>Targeted Grant</td>
</tr>
</tbody>
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### Measuring the Progress

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

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

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

Presented by
Sheriff Joseph Gerace,
Chautauqua County
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
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.
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
GIS Subcommittee Report

• Bob Gehrer, ITS GIS Program
Communications and Interoperability Working Group

Presented by
Jay Kopstein and Eric Day, Co-Chairs
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
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
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).
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?
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
PSBB User Group (PSBBBUG)

- PSBBWG \(\rightarrow\) PSBBBUG (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.
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
State Agency Meeting
February 21, 2018

• FirstNet Update
• Highlighted Upcoming Symposium March 19\textsuperscript{th}- thru 21\textsuperscript{st} 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.
Channel Naming and Use Working Group

Presented by Matthew Delaney, Radio Engineer, Office of Interoperable and Emergency Communications
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.
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.
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).
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.
Citizen Alerting Committee

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

Presented by Michael A. Sprague, Director, Office of Interoperable & Emergency Communications, Chair, SIEC Board
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
C³ Meeting – 28 Attended
Shortened by Winter Storm Toby (Dusha)
**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

**C³ 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.
Summary, Closing Remarks and Adjournment

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