Welcome and Opening Remarks

Michael A. Sprague, Director, Office of Interoperable & Emergency Communications, Chair, SIEC Board
Roll Call; Approval of the Meeting Agenda; Approval of Minutes from April 11, 2018 Meeting Approval of Agenda for September 12, 2018
Legal Introductions

Presented by Michael A. Sprague, Director, Office of Interoperable & Emergency Communications, Chair, SIEC Board
PSAP, SICG and Targeted 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>
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<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>
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<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>
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<td>Round 2 (2013 PSAP)</td>
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<td>8.9 million</td>
<td>06/25/2014 – 06/24/2017</td>
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<td>Round 3 SICG</td>
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<td>66.3 million</td>
<td>12/03/2013 – 12/02/2018</td>
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<td>24.5 million</td>
<td>01/01/2016 – 12/31/2018</td>
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<td>2016 SICG Formula</td>
<td>2015-2016</td>
<td>45 million</td>
<td>11.3 million</td>
<td>01/01/2017 – 12/31/2018</td>
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<td>2017 SICG Formula</td>
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<td>0.3 million</td>
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<td>2018 SICG Formula</td>
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<td>45 million</td>
<td>Analysis of Applications</td>
<td>01/01/2019 – 12/31/2020</td>
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<th>Project Period</th>
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<td>2016-17 PSAP Operations</td>
<td>2016-2017</td>
<td>10 million</td>
<td>9.6 million</td>
<td>01/01/2017 – 12/31/2017</td>
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<td>2017-18 PSAP Operations</td>
<td>2017-2018</td>
<td>10 million</td>
<td>4.4 million</td>
<td>01/01/2018 – 12/31/2018</td>
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**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

✓ 2018 SICG Formula – Application period is closed, conducting analysis
✓ 2018 PSAP Operations Grant – Contract development. Received budgets from 45 counties.
✓ 2018 SICG Targeted – Application period is closed, working with counties on project development.

TOTAL $405 million in grants

Please visit www.dhses.ny.gov/oiec/grants for additional information
$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 Operations 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 consortiums/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 into NY Responds.
Targeted Interoperability Grant Progress

- Application deadline was August 31, 2018
- 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
- 2017 SICG applications are used as a base for gap analysis of interoperability in counties
- Funding will support counties which were identified as areas with insufficient coverage and/or insufficient infrastructure of National Interoperability Channels
- OIEC is working with counties to develop interoperability projects and budgets
Monitoring of Interoperability CALLing Channels

Based on submissions for 2018 SICG-Formula Grant
Standing Committee Reports

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
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
  – Reviewing FCC activity
    • Location Accuracy Requirements
    • Implementation of Kari’s Law and Ray Baum’s Act-FCC open meeting 9/26/18 1030-noon.
NG911 WG Activity Con’t:

• NENA/APCO
  – Standards development
    • GIS Standard
Technical Assistance Services

• The working group and OIEC worked with OEC TA contractors on language for a draft New York State NG911 plan.

• The OEC TA program expired but an application was approved and the TA program resumed effective 9/11/18 with a scoping/planning conference call.

• Draft plan work and Working Group in-person work session is planned for fall 2018
Consultant Services

• OIEC is procuring consultant services to support the 911 Program.

• The consultants will supplement OIEC 911 program staff and provide valuable resources to work with the 911 Program, TA consultants and NG911 Working Group.
New York City NG911 Project

- Continue to target 11/13/18 go-live for text to 911.
- Continue to evaluate RFP proposals and look to make an ESiNEt – Core Services decision in the coming months.
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
OIEC Updates

- **COMU Program**
  - Continues to develop, we are currently at 37 COML’s and 2 COMT’s, development of COMT train the trainer course for 2019.
  - OIEC is putting on an Equipment Demonstration & CASM training on Nov. 8th & 9th.

- **NYSTICFOG**
  (New York State Tactical Interoperable Communications Field Operation Guide)
  - Reviews of (NYSTICFOG) have been made by OIEC personnel, Consortium members, and (COMU) personnel. These reviews have been relayed back to ICTAP for a final draft due the last quarter of 2018.

- **CASM**
  - Efforts continue on outreach for CASM to increase use and continued updates of county assets.
  - Sometime in the very near future, OIEC will be auditing the CASM system, to insure compliance with SICG grant requirements.
Public Safety Broadband User Group

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

- **Primary Users – Agency Devices**
  - Police, Fire, EMS, Emergency Management, 911/PSAP
  - Agency account, agency device
  - Priority and Preemption at no extra cost

- **Extended Primary Users – Agency Devices**
  - Wide range of public safety, public service, general government users
  - Agency account, agency device
  - Base plan includes access to FirstNet but not priority. Priority can be added for extra fee.
  - During an incident, these users can be “uplifted” to priority and preemption at no extra cost.

- **Primary Users – Personally Owned Devices**
  - Police, Fire, EMS, Emergency Management, 911/PSAP
  - E.g. volunteer FFs with their own plan and device
  - Priority and preemption
  - No personally owned devices/plans for extended primary. ONLY primary eligible.
  - Agency or in-store verification of eligibility
PSBB offerings in New York State

• AT&T/FirstNet will provide priority & pre-emption service for public safety
  – Contractually obligated for the life of FirstNet. Enforcement by FederalGov’t

• 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
  – Not a contractual offering with the Federal government

• Competition should provide a benefit to public safety: price, equipment options, and applications...at a cost of interoperability though?
State Fair 2018

• With the addition to State contract, DHSES became a FirstNet subscriber in August.

• We bought and then tested several devices at the State Fair.
  – Good results. Even with an all time record attendance day, speeds remained manageable
  – Newer devices that contain the latest LTE bands and chipsets showed some very impressive speeds (at times)
  – We are in the process of moving our mobile asset AT&T services to FirstNet. Many devices will remain dual provider (Verizon/FirstNet)
Since December

- 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) – 100 FirstNet sites and 86 “BAU”. Hundreds more planned in future years…AT&T has indicated that increasing coverage is a high priority to the company.

- 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).
Since December – Cont’d

• AT&T has submitted pricing to NYS OGS to add the FirstNet plans to AT&T’s existing contract…OGS has approved the unlimited data plans for primary users and these are available for procurement. The pooled and other plans are expected to be approved soon.

• AT&T has been meeting with counties/municipalities – what are your needs, towers available, want to subscribe? Your choice whether to take the meeting and what to agree to.

• Something that needs more work by FirstNet and AT&T is governance and policies. Services being sold…but what are the policies around it?
State Agency Communications Working Group

Presented by Michael A. Sprague, Director, Office of Interoperable & Emergency Communications, Chair, SIEC Board
State Agency Communications Working Group
Meeting set for October 15, 2018

Key topics for the meeting:

• Review interoperability between State Agencies During Multi-Agency Operations
• Identify Key Channels by Agency
• Develop a Base Communications Plan for Rapid Deployment
Channel Naming and Use Working Group

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

• In working with NLECC and others, the suggested way for NY to move forward was 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.

• Encryption remains totally optional. This is just a guideline IF you choose to encrypt.

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

• A guideline was created and passed around a small working group for comment.

• The final version is ready for publishing. A resolution has been created asking for Board recommendation to issue.
Citizen Alerting Committee

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

- Next meeting Tuesday October 9, 2018

- IPAWS National Test of the Emergency Alert System (EAS) and Wireless Emergency Alerts (WEA) – September 20, 2018

- State Plan Finalized

- Feasibility Study (4383-A) - Implementing an emergency alert notification system that requires alerts to be displayed while using a video streaming service.
IPAWS National Test of the Emergency Alert System (EAS) and Wireless Emergency Alerts (WEA) – September 20, 2018

• WEA portion of the test commences at 2:18 p.m. EDT, and the EAS portion follows at 2:20 p.m. EDT. The test will assess the operational readiness of the infrastructure for distribution of a national message and determine whether improvements are needed.

• WEA test message will be sent to cell phones that are connected to wireless providers participating in WEA. This is the fourth EAS nationwide test and the first national WEA test.

• Previous EAS national tests were conducted in September 2011, 2016 and 2017 in collaboration with the FCC, broadcasters, and emergency management officials in recognition of FEMA’s National Preparedness Month.

• Cell towers will broadcast the WEA test for approximately 30 minutes beginning at 2:18 p.m. EDT. During this time, WEA compatible cell phones that are switched on, within range of an active cell tower, and whose wireless carrier participates in WEA should be capable of receiving the test message.

• “THIS IS A TEST of the National Wireless Emergency Alert System. No action is needed.”
Current IPAWS Alerting Authorities – Adoption

1,100 Total IPAWS Public Alerting Authorities
(as of June 30, 2018)

- 1,024* Local
  (*includes 18 military bases)
- 68 State-wide
- 3 Territory
- 3 Tribal
- 2 Federal

*Counties in green have at least one local authority with IPAWS Public Alerting Access

67.9% of the population are covered by a local alerting authority with IPAWS Access

1,100 Total IPAWS Public Alerting Authorities (as of June 30, 2018)

1,024* Local
(*includes 18 military bases)

68 State-wide

3 Territory

3 Tribal

2 Federal

National Weather Service
www.missingkids.com

FEMA
IPAWS Adoption by County (As of June 30, 2018)
### New York Alerting Authorities
(as of July 21, 2018)

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<th>COG Name</th>
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Feasibility Study (4383-A) - Implementing an emergency alert notification system
DPS & DHSES

- Requires alerts to be displayed while using a video streaming service.
- "video streaming service" shall mean an entity directly in the business, for profit, of offering, promoting or providing access to films, television shows or other video content for viewing on or through the internet.
- (a) examining ways to ensure that such emergency alert notification system shall convey timely information concerning emergency incidents or occurrences, including, but not limited to severe weather, that pose an imminent threat to the health or safety of individuals in New York;
- (b) examining how an emergency alert notification shall be displayed while using a video streaming service;
- (c) examining how internet service providers and video streaming services would ensure such emergency alert notifications are displayed to users impacted by such emergency;
- (d) examining relevant federal, state, and local laws, rules, regulations, and guidelines; and
- (e) recommending statutory changes, if any, to implement such emergency alert notification system.
IPAWS All Hazards Feed – System View

Alert Originator  >  CAP Alert Origination Tools  >  Alert Aggregator  >  Public-FEED Gateway  >  Public Alert Gateway  >  Public

- CAP message
- SOAP/HTTPS
- INTERNET
- IPAWS-OPEN
- Alert Aggregator
- Web Server
- REST interface
- XML/HTTPS
- Public

- IPAWS-OPEN
- Notify Digital Signature
- Categorized message
- PUBLIC - 800

- Alert Origination Tools
- Federal
- NOAA, NCMEC

- Local
- State
- Territorial
- Tribal

FEMA
New Business

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

Presentation:
911 Leadership Quality Improvement - Excerpts from his Thesis
Guest Presenter Steven Sharpe Director Genesee County 911

Regional Workshops – DHSES Grants Unit

2019 Communications Symposium – DHSES OIEC
Summary, Closing Remarks and Adjournment

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