



Homeland Security
and Emergency Services

State Interoperable & Emergency Communication (SIEC) Board Meeting

February 5, 2020

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
November 20, 2019 Meeting

Approval of Agenda for
February 5, 2020

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	33.6 million	01/01/2016 – 12/31/2019
2016 SICG Formula	2015-2016	45 million	34.1 million	01/01/2017 – 12/31/2019
2017 SICG Formula	2016-2017	45 million	17.2 million	01/01/2018 – 12/31/2019
2018 SICG Formula	2017-2018	45 million	4 million	01/01/2019 – 12/31/2020
2019 SICG Formula	2019-2020	45 million	-	01/01/2020 – 12/31/2021



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	10 million	01/01/2018 – 12/31/2018
2018-19 PSAP Operations	2018-2019	10 million	6.3 million	01/01/2019 – 12/31/2019
2019-20 PSAP Operations	2019-2020	10 million	-	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	0.3 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 – Awards announced, County submitting their budgets for contract development
- ✓ 2019-20 PSAP Operations Grant – Awards announced. No spending
- ✓ 2019 SICG Targeted – RFA First Quarter 2020

TOTAL \$537.6 million in grants

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



Statistics

- ✓ **39 counties monitoring National Interoperability CALLing channels**
- ✓ **National CALLing and TACTical Interoperability channels are installed on 311 towers across NY**
- ✓ **75% of Counties utilize SICG-Formula grant for upgrades of CPE (Customer Premise Equipment) in their PSAPs**
- ✓ **34 counties have operational Text-to-911 services (6 more from last year)**
- ✓ ***Interoperability Repeaters MUST be OFF when not in use!***

Standing Committee Reports

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

911 Advisory Committee

Presented by
A. Wesley Jones,
Committee Chair



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NG 9-1-1 Working Group

Presented by
Brett Chellis, Deputy
Director, Office of
Interoperable and
Emergency
Communications,
State 911 Coordinator



NG911 Activities to date:



- Established NG911 Working Group
- Developed Federal partnership with DHS CISA ECD
- Attended National NG911 conferences
- Multiple In-person working group sessions
- Regular working group calls
- NG911 Draft Plan
 - Framework developed
 - Stakeholder input and review
 - Amendments, updates
 - Present for Exec Review
- PSAP data collection process underway



CISA
CYBER+INFRASTRUCTURE

NEENA
THE 9-1-1 ASSOCIATION



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PSAP Data Collection

- Data on all 176 PSAP's will be collected.
- Information will be obtained through the County 911 Coordinator.
 - Primary PSAP's
 - Secondary PSAP's
 - Backup PSAP's
 - Tertiary PSAP's ?



PSAP Data Collection

- Purpose
 - While the First Draft of the State NG911 Plan is in executive review, the NG911 WG wishes to begin the data collection necessary to establish information that will be useful in the RFI/RFP process should be granted the approval to move forward with the plan in concept.

PSAP Data Collection

- Sample Elements to be Collected
 - PSAP name, AHJ, and Contact Info
 - Existing 911 Provider, Selective Router Locations
 - Existing Physical Environment for Equipment
 - Call Handling Equipment- # Positions, Make, Model, # CAMA Trunks,
 - Call Volumes- 911, “Admin”, outbound, text....
 - Current Text to 911 System
 - Current CAD System- Provider, Release, etc



PSAP Data Collection

- Timetable
 - Brief Consortium Chairs at C3 meeting 2/12
 - Brief 911 Coordinators at Symposium/911 Coordinators meeting in March
 - Data Collection Period
 - Data Review and Compilation





NENA NG911 STANDARDS & BEST PRACTICES CONFERENCE

FUNCTIONAL

The NG9-1-1 Guide for 9-1-1 Authorities: An Overview
 New Functionality in the NG9-1-1 PSAP
 Making Peer Support the Standard of Care
 Social-Media Requests for Emergency Service
 Telephone CPR Document Development
 Make the EIDO Work for You & Your Center
 Helping Suicidal Callers While Enhancing Dispatcher Mental-Health Resources
 Managing & Measuring Incident Processing Workshop
 NG9-1-1 Impacts on Every Position in the PSAP
 Redefining Staffing Needs for NG9-1-1
 Beyond Location: Trends in Additional Emergency Data
 Real-Time Text Education & Training
 Improving 9-1-1's External-Notification Processes

Standards & Best Practices

NENA Standards: What's New & What's Essential for PSAP Success
 MLTS Issues & Best Practices
 NG9-1-1 RFPs: v2 Document Development
 NG9-1-1 in Canada: Current Status & Lessons Learned
 Next Steps for NENA's Professional Education Standard

TECHNICAL

i3: What's New & What's Next?
 Virtual TERT, the Cloud, & What's Next for Disaster Response & Recovery
 End-to-End Next Generation Emergency Services: What Does It Look Like?
 Emergency Incident Data Object Technical Workshop
 NG9-1-1 Cybersecurity Roundtable
 Mitigating Caller-Information Spoofing
 Managing & Monitoring NG9-1-1 Failure Points
 Updating SMS Text-to-9-1-1 Resources

Understanding & Using NENA's GIS Data Model

John M. Beasley
 Brooks T. Shannon

#NENASBP

GIS

Understanding & Using NENA's GIS Data Model
 Geo-Spatial Routing: Tools for Transition
 Caller Location Information: Updates, Issues, & Best Practices
 GIS Data Stewardship: PSAP & Emergency-Service Boundaries
 Building GIS Road Centerlines for NG9-1-1
 Forest Guide: The Root of Discovery & Routing for NG9-1-1
 The Dark Side of NG9-1-1 GIS-Data Prep Work



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GIS Subcommittee Report



Gerald A. Engstrom Jr., AICP

New York State Police County CAD and GIS Program Manager

Office of Information Technology Services – GIS Program Office

Public Safety Broadband User Group

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



Public Safety Broadband

- State held a WebEx meeting of the Public Safety Broadband User Group (PSBBUG) on January 29th. Topics discussed included:
 - OIEC's observations from various events
 - Lessons learned
 - Discussion of requests and after actions for deployables/events
 - Nationwide and New York specific updates from AT&T
 - First Responder Network Authority update, provided by Dave Cook
 - Updated information from Verizon Wireless
 - Open Discussion on projects and experiences from counties and agencies



State Agency Communications Working Group

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



State Agency Working Group

- Last Meeting November 15, 2019
- Rapid Deployment Plan – Finalized document
- Distribution of Radio Channel Use Agreements
 - Status
- Training
- Exercise



Citizen Alerting Committee

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



Citizens Alerting Committee

- Next Meeting – February 26th 2020
- NYSOEM Conducting monthly testing
- November Alerting Authorities faced challenges, some alerting software providers were not prepared and many COGs did not receive & install their Demo/Training certificates
- Primary contact done by email which presented issues
- Notifications for November went out December 18th
- December we saw 667 COGs with successful Proficiency Demos
- Reminder that effective November 2019 all COGs are required to conduct monthly tests



COGs & MOAs

- MOAs and digital certificates are good for three years.
- While a COG remains in active status, while updating an MOA digital certs it absolutely stops working on the expiration date.
- Many COGs were initially approved in 2015 requiring replacement of expiring digital certs to maintain COG operational status.



IPAWS Updates

“As a result of FCC rules, the following improvements are now available:

- **Geographic Accuracy:** Wireless providers that participate in Wireless Emergency Alerts must deliver the messages to the area specified by the alert originator with no more than a 1/10 of a mile overshoot, as opposed to the prior “best approximation” standard.
- **Longer Messages & Better Reach:** Wireless Emergency Alerts will accommodate longer messages—an increase from 90 to 360 characters—and messages in Spanish.
- **New Alert Type:** There is a new class of alerts (“Public Safety Messages”) for officials to convey recommendations for saving lives or property, such as the location of emergency shelters after a disaster.
- **Better Testing:** Emergency managers can now conduct state and local Wireless Emergency Alert tests that reach only consumers who choose to participate, and these tests do not require a waiver from the FCC.”
- **February 6th, 2020 From NWS:** “The length and language of the message received on a particular device will be dependent on the wireless network and the language setting of the device. NWS does not control this process or outcome. Messages will be up to 360 characters on 4G LTE networks and beyond. WEA message length will continue to be a maximum of 90 characters on 3G and earlier networks”



New Business

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





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Interoperability Network IP Addressing Plan



February 18, 2020

Overview

- Provide guidelines for IP addressing for Public Safety Communications system to promote and support interoperability (System-of-Systems)
 - Prevents IP address conflict
 - Enable interoperability at the system level



Revision Summary

- Easy-to-read format and reorganization
- Clarified details for WAN addressing
- Provided guidelines for external connections
- Added cybersecurity considerations
- Reflects IP addressing at the “edge” or just off the network. Does not impact subscribers, MDTs, county PCs, etc.
- Designated OIEC as centralized coordinating agency*
 - * Subject to SIEC Board approval



Centralized Coordination?

Who? – OIEC

What? – Provides coordination of IP addresses for use by County Public Safety Communications systems (Librarian Project)

Why? – Prevent IP address conflicts to promote easier system-to-system interoperability

How? – Administering the IP address plan and maintain a centralized database of applicable communication system information

Next Steps? –OIEC to develop a Network IP Guidance Document and seek Board input



Other New Business

- Annual Report
- Next Meeting Date – April 29,2020

Summary, Closing Remarks and Adjournment

Presented by
Michael A. Sprague,
Director, Office of
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