



Homeland Security
and Emergency Services

State Interoperable & Emergency Communication (SIEC) Board Meeting

September 12, 2018

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
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

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	66.3 million	12/03/2013 – 12/02/2018
Round 4 SICG	2014-2015	50 million	24.5 million	01/01/2016 – 12/31/2018
2016 SICG Formula	2015-2016	45 million	11.3 million	01/01/2017 – 12/31/2018
2017 SICG Formula	2016-2017	45 million	0.3 million	01/01/2018 – 12/31/2019
2018 SICG Formula	2017-2018	45 million	Analysis of Applications	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 – 21/31/2015
2015-16 PSAP Operations	2015-2016	10 million	10 million	01/01/2016 – 12/31/2016
2016-17 PSAP Operations	2016-2017	10 million	9.6 million	01/01/2017 – 12/31/2017
2017-18 PSAP Operations	2017-2018	10 million	4.4 million	01/01/2018 – 12/31/2018
2018-19 PSAP Operations	2018-2019	10 million	Contract Development	01/01/2019 – 12/31/2019

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



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 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 in to 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



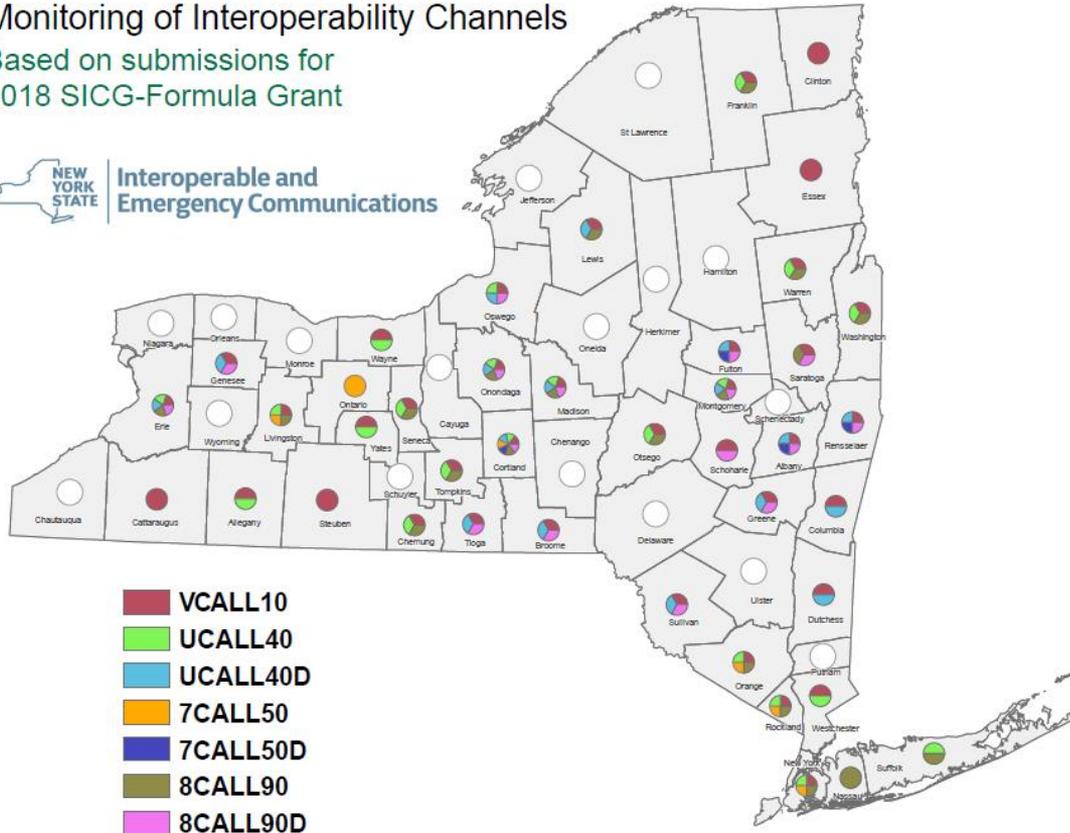
Monitoring of Interoperability CALLing Channels

Monitoring of Interoperability Channels

Based on submissions for
2018 SICG-Formula Grant



Interoperable and
Emergency Communications



- VCALL10
- UCALL40
- UCALL40D
- 7CALL50
- 7CALL50D
- 8CALL90
- 8CALL90D



Homeland Security
and Emergency Services

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



Homeland Security
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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
 - Reviewing FCC activity
 - Location Accuracy Requirements
 - 911 Location Test Bed - Report on Stage Z- Comments due to FCC 1 Oct., with reply comments by 11 Oct.
 - 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 Gehrler, 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 Federal Gov'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.”

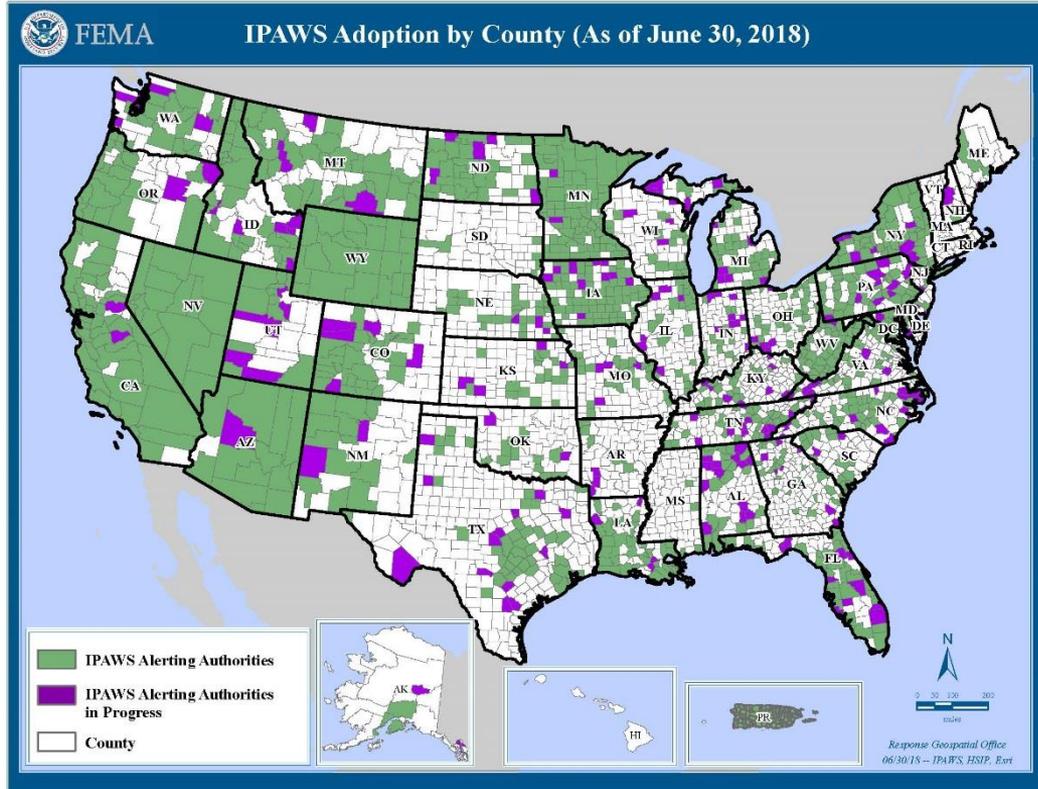


Current IPAWS Alerting Authorities – Adoption

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

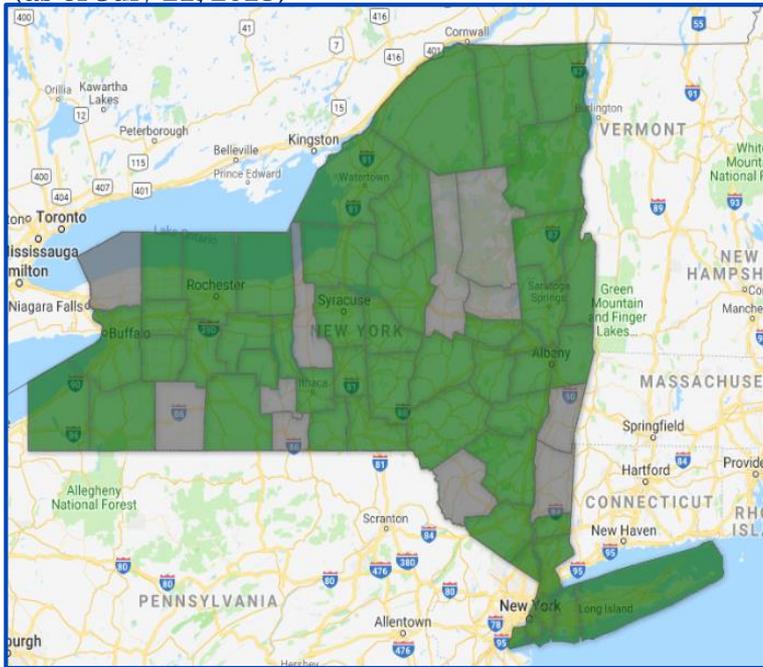
67.9% of the population are covered by a local alerting authority with IPAWS access



FEMA

New York Alerting Authorities

(as of July 21, 2018)



Homeland Security
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FEMA



COG ID	COG Name
200520	NY Albany County Sheriff's Office
201160	NY Broome County Office of the County Executive
200452	NY Cattaraugus County Sheriff's Office
200426	NY Chautauqua County Emergency Services
200576	NY Chenango County Emergency Management
200346	NY City of Cohoes
200646	NY City of Kingston
200394	NY City of Rensselaer
200856	NY Clinton County Office of Emergency Services
200518	NY Cortland County Depart. of Emergency Response & Comms
200727	NY Delaware County Emergency Services
200315	NY Erie County
200363	NY Fort Drum
200611	NY Franklin County
200973	NY Genesee Emergency Management Services
201240	NY Greene County Emergency Services
200619	NY Jefferson County
200891	NY Lewis County Sheriff's Office
200644	NY Livingston County Sheriff's Office
200205	NY Madison County Emergency Management
200105	NY Monroe County
200171	NY Montgomery County Sheriff's Office
201161	NY Nassau County Office of Emergency Management
200004	NY New York City Office of Emergency Management
200068	NY New York State DHSES
200801	NY New York State Police
200803	NY Oneida County Department of Emergency Services
200217	NY Onondaga County Department of Emergency Comms
200194	NY Ontario County Office of the Sheriff-911
200424	NY Orange County
201462	NY Orleans County Sheriff Department
200133	NY Oswego County
200574	NY Otsego County Office of Emergency Services
201273	NY Port Authority of NY and NJ
201277	NY Putnam County Bureau of Emergency Services
200407	NY Rockland County
200158	NY Saratoga County
201196	NY Schenectady County Office of Emergency Management
200852	NY Schoharie County Office of Emergency Services
200733	NY Seneca County Emergency Services
200522	NY Steuben County 911
200716	NY Stony Brook University Police-Office of Emergency Mgmt.
200162	NY Suffolk County Fire Rescue and Emergency Services
200157	NY Tioga County Sheriff's Office
201336	NY Tompkins County
200288	NY Town of Clarkstown
200493	NY Town of Hamburg Office of Emergency Services
200271	NY Warren County
200381	NY Washington County
200172	NY Wayne County
200907	NY Westchester County Government
201470	NY Wyoming County Emergency Management Office
200183	NY Yates County

Feasibility Study (4383-A) - Implementing an emergency alert notification system

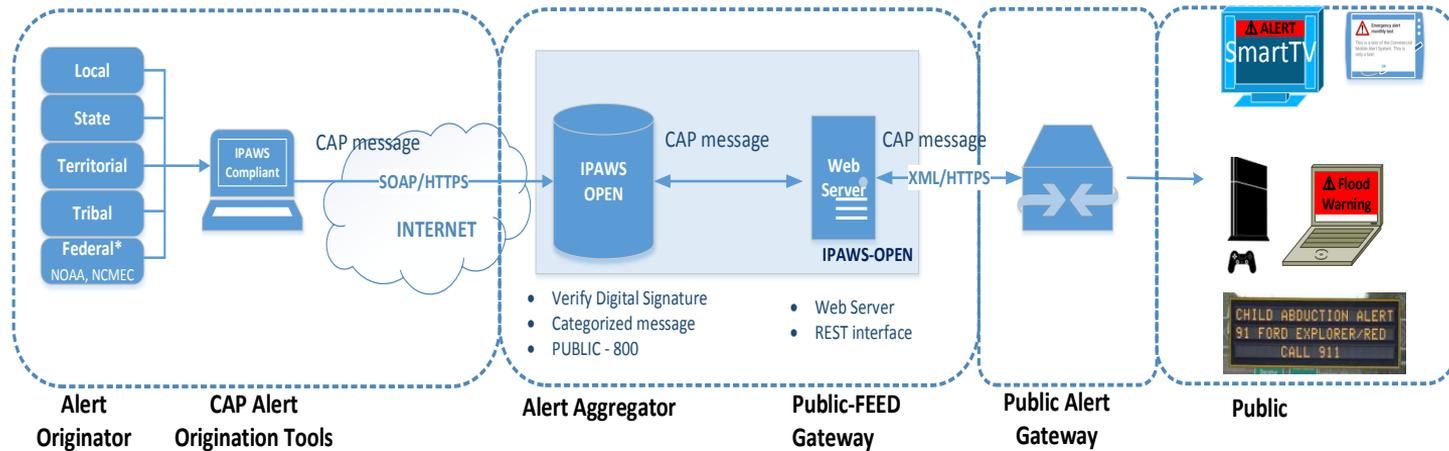
DPS & DHSES

- 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

Public FEED



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

