

NYS 9-1-1 GIS Standards Workgroup Webinar

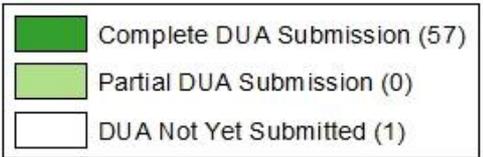
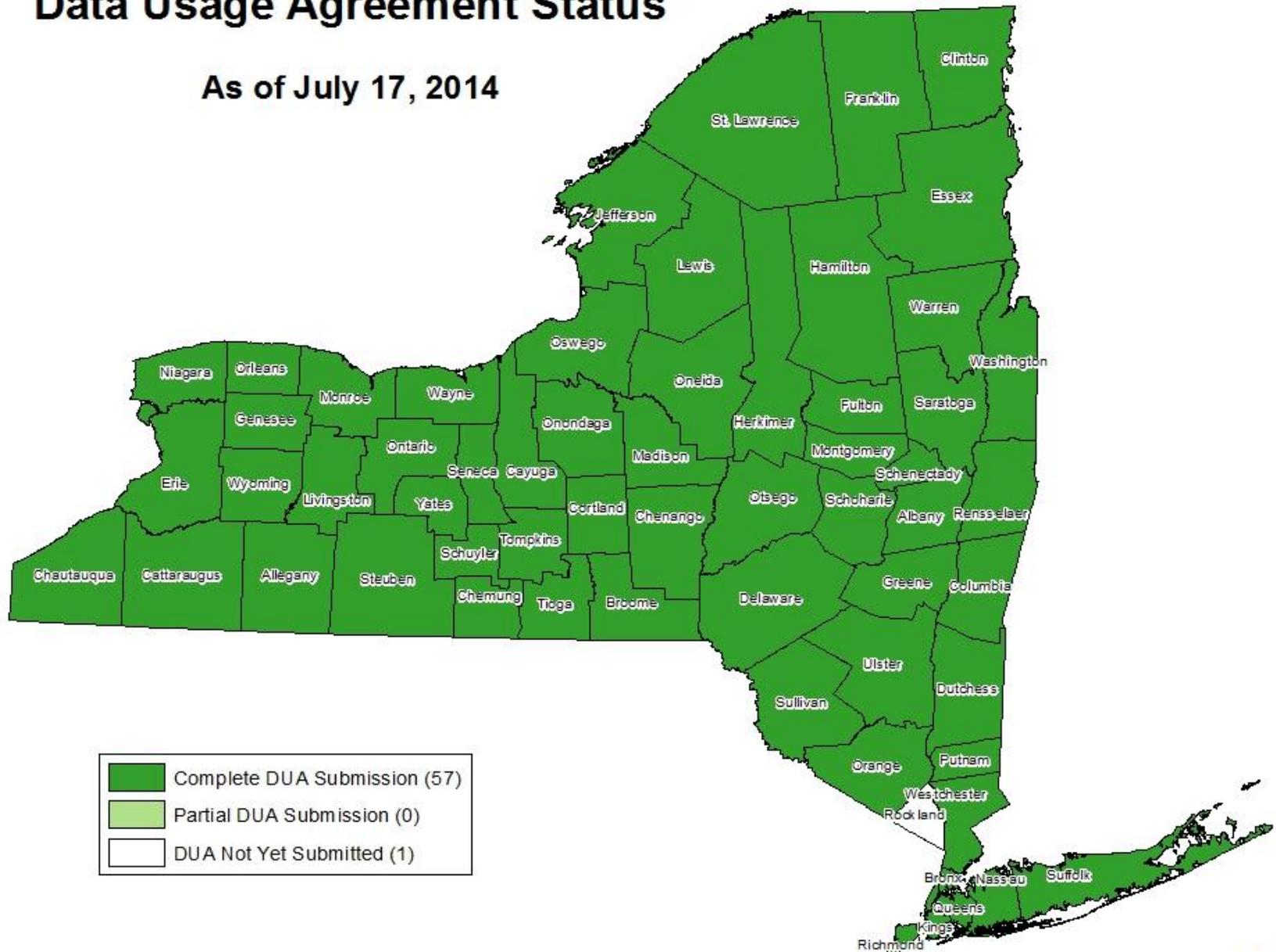
July 17, 2014

Agenda

1. SAM Project Update
 - Production Status
 - Online Resources & Public Access to SAM Data
 - *PLACETYPE*: Question about Trails
 - Landmark Names Issue
 - What to expect at your SAM Data Maintenance Meeting
 - Status of GeoLynx Data Maintenance Tool Training
 - Maintaining GIS data in the NG911 schema and future migration into NG911
2. Status of NENA GIS-related standards
3. NENA Annual Conference
4. NYS 9-1-1 Coordinator's Conference (9/9-9/11)
5. Future workgroup/webinar dates
6. Future webinar topics?

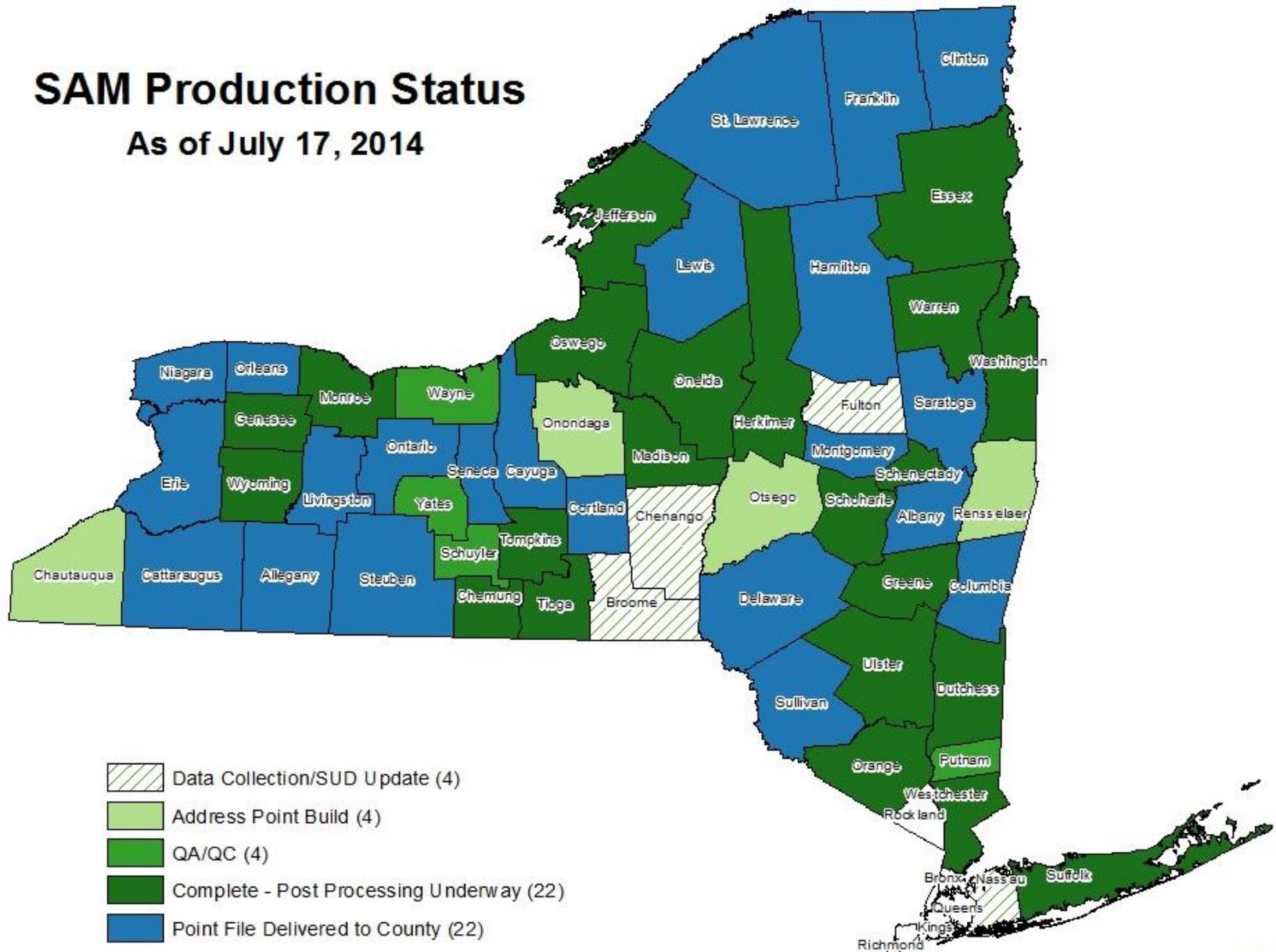
Data Usage Agreement Status

As of July 17, 2014



SAM Production Status

As of July 17, 2014



-  Data Collection/SUD Update (4)
-  Address Point Build (4)
-  QA/QC (4)
-  Complete - Post Processing Underway (22)
-  Point File Delivered to County (22)

Online Resources

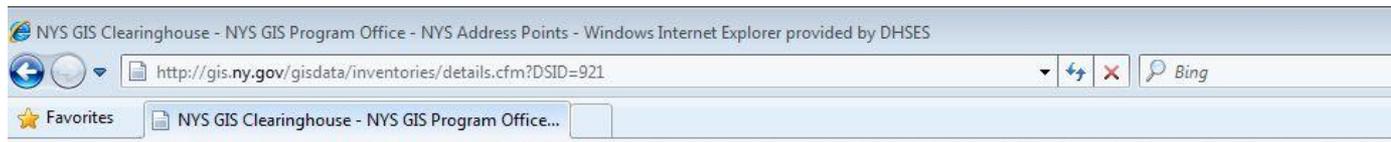
- Online Resources
 - SAM Address Point Schema
 - SAM Address Point File Descriptions
 - Viewing SAM Address Points
 - Using ArcReader

<http://www.dhSES.ny.gov/ocs/streets>

- Public Access to SAM Data
 - Direct data download
 - Web service
 - Geocoding service

<http://gis.ny.gov/gisdata/inventories/details.cfm?DSID=921>

Public Access to SAM Data



GIS Data Set Details

Data Set Name	Description	Theme	Metadata
NYS Address Points	Point files of addressed properties in New York State. Data is not complete statewide. Data is copyright protected.	Cadastral (tax parcels) Miscellaneous	n/a

Supporting Documentation

- [Data Dictionary-Streets and Address Points \(Revised 01/14\)](#)
- [Geocoding - ESRI Instructions](#)

Web Service

A web service of the SAM Address Point file is available here:
<http://gisservices.dhSES.ny.gov/arcgis/rest/services>. The web service named SAM_Address_Points_Symbolized has different symbology for each of the 5 PointType values (see image). The web service named SAM_Address_Points has all points symbolized the same way. The SAM Address Point files are projected in Web Mercator (Auxiliary Sphere).

Address Point Type

- Rooftop
- Primary Structure Entrance
- Driveway Entrance
- ▲ Parcel Centroid
- Miscellaneous

Geocoding service

If the purpose of downloading the address points is for geocoding, NYS ITS has a publicly available geocoding service which includes the address points along with other layers. The geocoding service is named NYS_Points_Streets and can be found here:
<http://gisservices.dhSES.ny.gov/arcgis/rest/services>.

The NYS Address Point File is changing! Please see the [SAM project](#) about future updates to the statewide address point file.

Direct Download

Files available to the Public

Files	Download	Metadata
Address Points - SAM	<ul style="list-style-type: none"> GEODATABASE SHAPE 	<ul style="list-style-type: none"> Metadata Metadata

<http://gis.ny.gov/gisdata/inventories/details.cfm?DSID=921>

Representing Trails in *PlaceType*

Miscellaneous Points - PLACETYPE

Addressed Feature (not associated with a building)	Examples
Milemarker	mile markers, rail trails, hiking trails, bike trails: all with whole number addresses
Parking Lot	trailhead, snowmobile, horse, park and ride
Trailhead	<i>Where trail begins, ends or crosses a road??</i>

Landmark Name Issues

- NENA definition:
The name by which a prominent feature is publically known
- Populated from:
 - County LEC/TN/Address Lists
 - Contractor provided postal delivery addresses
- Discovered people's names in *Landmark Name* field
 - Home office with the business located elsewhere
 - Unnamed business
- SAM database will have no personal information
- Also discovered duplicate Landmark Names in early counties

Landmark Name Resolution

- Postponed data distribution
- Immediately removed all Landmark Names from:
 - Downloadable public file
 - Web map service
 - Geocoding service
- Removed people's names from *Landmark Name* field
 - Reviewed *AddressPoints* and *Spatially_Invalid* files
 - MD, DDS, DVM, ESQ, LLC
 - Developed automated methods for large counties
 - Small counties reviewed manually
- Resolved duplicate Landmark Names in early counties
- County review required before repopulating in public data

What to expect at your SAM Data Maintenance Meeting

- Update on SAM Project Status
- Data acceptance & post processing
- Discuss files provided to counties
- Future Web-based data maintenance tool
- Strategize data maintenance
- Review delivered data files in ArcGIS

Data Maintenance

- GeoLynx Data Maintenance Tool Training
 - ITS training in August
 - Develop our training materials
 - Train 1-2 counties locally
 - Update training materials as needed
 - Train counties that have received data (regionally?)
- Maintaining GIS data in the NG911 schema and future migration into NG911
 - All updated done in a GIS Master Maintenance Database (e.g. SAM)
 - Extract data needed for application and reformat as needed
 - GIS Data Model allows for transitional attributes (ESN Left, ESN Right, MSAG Community Right, MSAG Community Left)

NENA GIS-Related Standards

- *Civic Location Data Exchange Format (CLDXF) Standard*
 - Breaks out addresses into smallest data elements
 - Published 3/23/2014
 - Available at <http://www.nena.org/?NG911CLDXF>
- *NG9-1-1 GIS Data Model Standard*
 - Identifies the GIS data layers & defines attributes
- *Site/Structure Address Point GIS Data for 9-1-1*
 - Where to place a point & how many points
 - An Information Document, not a Standard
- *Provisioning and Maintenance of GIS data to ECRF/LVF Standard*
 - Loading local GIS data into regional, statewide, and national databases
- *NG9-1-1 Data Management Standard*
 - Discrepancy Reports for errors discovered during data provisioning
- NENA web site: www.nena.org

NENA Standards

NG9-1-1 Data Model Standard

- ✓ Standard completed & submitted to NENA leadership
- ✓ Internal NENA Authoring Committee Review (ended 6/22/2012)
- ✓ NENA Workgroup reviews comments & updates document
- Revised standard submitted to NENA leadership for review:
 - ✓ Submitted April 2014; rejected, returned to Workgroup 7/2014
 - ✓ Internal NENA All Committee Review (10 business days)
 - ✓ Public review (15 business days)
- NENA Workgroup reviews comments & updates document
- Revised standard submitted for publication

NENA Standards

Site/Structure Address Point GIS Data for 9-1-1

- ✓ Workgroup initiated (8/15/2012)
- ✓ **Draft Information Document**
- Document completed & submitted to NENA leadership for review:
 - ✓ Internal NENA Authoring Committee Review – expected Fall 2014 (10 business days)
 - ✓ Internal NENA All Committee Review (10 business days)
 - ✓ No public review
- NENA Workgroup reviews comments & updates document
- Revised document submitted for publication

NENA Standards

Provisioning and Maintenance of GIS data to ECRF/LVF Standard

- ✓ Standard completed & submitted to NENA leadership for review:
 - ✓ Internal NENA Authoring Committee Review
 - ✓ Internal NENA All Committee Review
 - ✓ Public review (ended 1/16/2014)
- ✓ NENA Work Group reviews comments & updates document
- Revised standard submitted for publication

NENA Standards

NG9-1-1 Data Management Standard

- ✓ Standard completed & submitted to NENA leadership
- ✓ Internal NENA Authoring Committee Review (ended 11/2/2012)
- ✓ NENA Workgroup reviews comments & updates document
- Revised standard submitted to NENA leadership for review:
 - ✓ Internal NENA All Committee Review – ends February 28, 2014 (10 business days)
 - ✓ Public review (15 business days)
- ✓ NENA Workgroup reviews comments & updates document
- Revised standard submitted for publication

NENA Conference

NG911 GIS Data: how it will (or should) work (Richard Kelly)

- ECRF/LVF
 - Eventually replaces MSAG
 - Data originates locally, combined regionally, and known nationally
- SIF
 - Like a GIS data warehouse or repository
 - An interface between an authoritative copy of GIS data and ‘functional elements’ (within an ESInet/ECRF)
- Forest Guide
 - Authoritative connection point for all ECRF’s in its country
 - Hierarchical ‘tree’ structure
 - Who will sanction and fund a national FG? Perhaps FCC, DOT, NENA?
- Synchronizing GIS Data with MSAG/ALI
 - Does every ALI record have an address point?
 - Does every MSAG record exist on a street centerline?
 - Must standardize all data attributes

NENA Conference

Databases and Call Delivery in an NG911 Environment (Jim Sheppard & Marc Berryman)

- LIS
 - Will be the ALI replacement
- ECRF
 - Uses the same GIS data used in the LVF
 - Send the location to the ECRF and the ECRF returns the URN of the PSAP to route the call to
 - ECRF replaces SRDB for call delivery
- LVF
 - Replaces MSAG function
- Forest guide
 - A table of contents for all known LVFs/ECRFS
- ESRP
 - Replaces SR function
- ESInet
 - Carries 911 calls

Future Workgroup Meetings

- NYS 9-1-1 Coordinator's Fall Conference
 - September 9-11 in Rochester
- Choose remaining 2014 dates:
 - August 21
 - September 18
 - October ?
 - November 20
 - December 18
- Potential topics for future calls?