

# NG911 GIS User Group

2020 Q3 Meeting  
September 9, 2020

<https://kansas.zoom.us/j/91585522880>

Meeting ID: 915 8552 2880

Passcode: 879319



# NG911 GIS User Group 2020 Q3 Agenda

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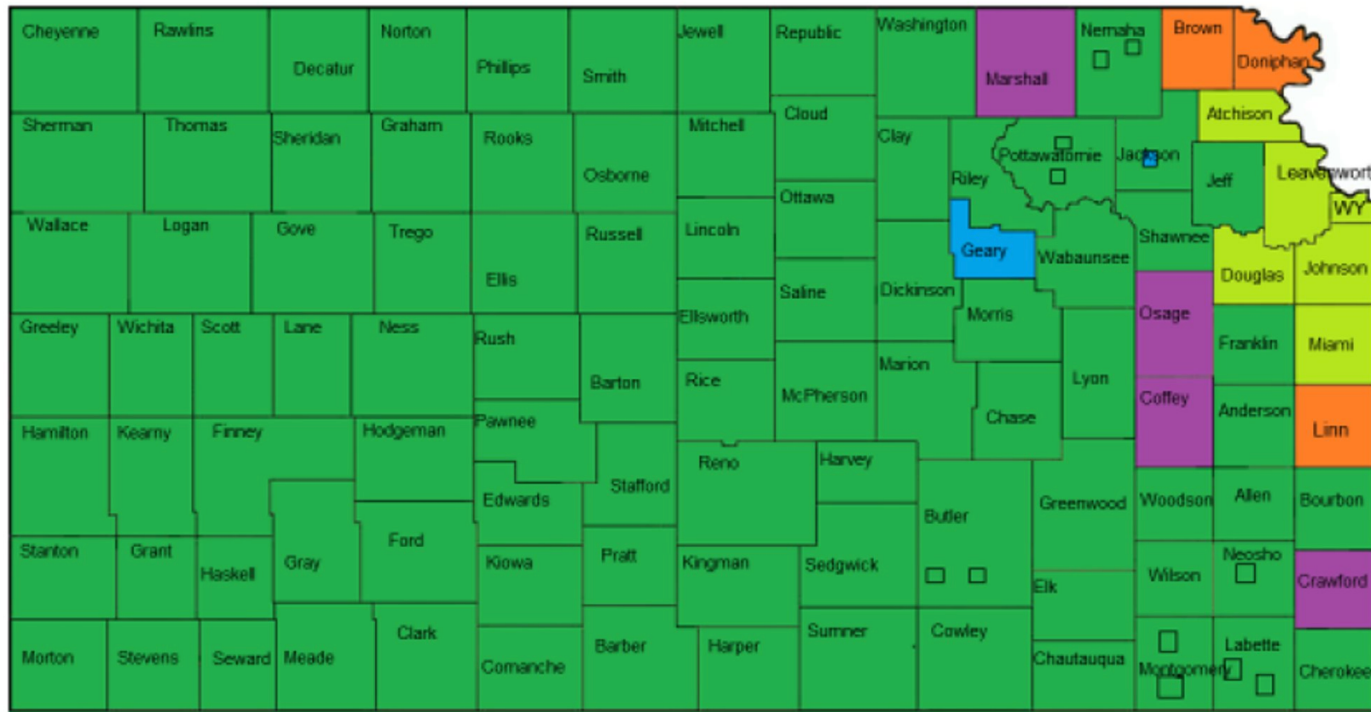
- Project Update
- NG911 Orthoimagery
- NG911 Toolbox
- GeoMSAG and Geospatial Call Routing

# NG911 Project Update



- 2020 Q3 GIS data submission deadline – September 30, 2020
- HxGN hosted NG911 2018 Imagery service expiring soon – replaced by DASC hosted service

## Statewide Hosted Call Handling System



- Live on System
- Other System Utilized
- Indicated interest
- In Queue
- MARC Region

# NG911 Orthoimagery Program Update

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- 2014/15
  - Statewide, 1-foot, leaf-off, natural color
  - Public domain
  - Funded 100% by Kansas 911 Coordinating Council (Council)
  
- 2018 Imagery
  - Statewide, 1-foot, leaf-off, color/CIR
  - Licensed
  - Largely funded by Kansas 911 Coordinating Council, with cost-share from the Kansas Department of Transportation/TRCC (\$100,000), and Kansas Department of Revenue (\$45,000)
  
- Uses:
  - Supports NG911 GIS data maintenance and call handling mapping system (RapidDeploy Radius Plus)
  - Default imagery layer within the Open Records for Kansas Appraisers (ORKA) application
  - Utilized by nearly all state and local government GIS/mapping departments

# RFP Process

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- RFP released on July 8, closed August 3
- Evaluation committee:
  - Eileen Battles
  - Mike D'Attilio
  - Scott Ekberg
  - Kyle Gonterwitz
  - Dean Heineken
  - Bryce Hirschman
  - Sherry Massey
  - Ken Nelson
  - Mark Parco
  - Randall White
  - BJ Wooding
- Contract awarded to SURDEX Corporation

# 2021 Project Specifications



- Statewide, 1-foot, leaf-off, color/CIR
- No license restrictions
- File formats:
  - GeoTIFF
  - MrSID
- Map projections:
  - Kansas State Plane (North/South)
  - Kansas Regional Coordinate System
    - [http://kansasgis.org/initiatives/kdot\\_ldp/index.cfm](http://kansasgis.org/initiatives/kdot_ldp/index.cfm)
  - Lambert Conformal Conic
  - State Plane 2022 (once reference frames are published)
- Accuracy specifications:

Common Orthoimagery Pixel Sizes	Recommended Horizontal Accuracy Class RMSE <sub>x</sub> and RMSE <sub>y</sub> (cm)	Orthoimage RMSE <sub>x</sub> and RMSE <sub>y</sub> in terms of pixels	Recommended use <sup>7</sup>
1.25 cm	≤1.3	≤1-pixel	Highest accuracy work
	2.5	2-pixels	Standard Mapping and GIS work
	≥3.8	≥3-pixels	Visualization and less accurate work
2.5 cm	≤2.5	≤1-pixel	Highest accuracy work
	5.0	2-pixels	Standard Mapping and GIS work
	≥7.5	≥3-pixels	Visualization and less accurate work
5 cm	≤5.0	≤1-pixel	Highest accuracy work
	10.0	2-pixels	Standard Mapping and GIS work
	≥15.0	≥3-pixels	Visualization and less accurate work
7.5 cm	≤7.5	≤1-pixel	Highest accuracy work
	15.0	2-pixels	Standard Mapping and GIS work
	≥22.5	≥3-pixels	Visualization and less accurate work
15 cm	≤15.0	≤1-pixel	Highest accuracy work
	30.0	2-pixels	Standard Mapping and GIS work
	>45.0	>3-pixels	Visualization and less accurate work
30 cm	≤30.0	≤1-pixel	Highest accuracy work
	60.0	2-pixels	Standard Mapping and GIS work
	≥90.0	≥3-pixels	Visualization and less accurate work

# Other project components

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- State & local government buy-up program:
  - Tim Donze
  - (314) 422-7616
  - TimD@surdex.com
  
- Disaster Response Imagery:
  - Contact Scott Ekberg or the DASC office

# 2021 Project Timeline

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- Planning...now
- Acquisition – mid-February 2021 – mid-April 2021
- Pilot area delivery – May 2021
- Orthoimagery posted to Surcheck – October 2021
- Final delivery – December 2021



# Questions?

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# NG911 Toolbox Update

Kristen Jordan Koenig

# Toolbox Updates

## Crickets



# Non-toolbox Post Processing Updates

- Transitioning data processing from Vesta to Radius Plus
- Simplifies data processing

# GeoMSAG and Geospatial Call Routing Update

# News Items

- 99 PSAPs in 91 counties are on i3 and routing solely via GIS data
- Training
  - GIS Data Steward class has been created as an online class for 911 personnel.
  - GIS Data Maintainer class will be offered virtually at KAM (Tuesday, October 27<sup>th</sup> from 1pm to 4pm). The recording will be available after the session
  - No in person classes will be offered this year

# Reminder #1: The GIS Impacts of Going Geospatial

- PSAPs using geospatial call routing are using the ESB layers instead of ESNs and ELTs. ESNs will still need to be maintained as they are the backup system for routing failures
- ESB DISPLAY field has a reduced character limit. While it is 60 characters in the NENA standard and the Kansas standard, the phone software in the PSAP is limited to the first 32 characters in the field. The toolbox gives a notice on this
- Alignment must be complete and submitted for any of this to display
- Questions about alignment?

## Reminder #2: Getting data in the geoMSAG takes a bit

1. You submit the change to the Portal
2. All data in the portal is submitted to Intrado the next Tuesday, but we can do an extra submission if you need it faster, just ask.
3. Once we submit to Intrado, it has been taking 1-5 business days before it shows up in the geoMSAG for the phone company to use.



# RapidDeploy RadiusPlus and Geospatial Call Routing

- Most PSAPs changed to RadiusPlus as their map on the same day they changed to geospatial call routing
- Problems with the geospatial routing system can look like map errors to the end user. “The map doesn’t update!”
- To date, none of the issues have been with the GIS data or the mapping function. The most frequent problem is missing or garbled location data coming to the map from the geospatial routing system.
- The geospatial network provider AT&T, the geospatial software provider Intrado, and the phone software provider Airbus are all working on the problem.

# RapidDeploy Nimbus

- Nimbus is a Computer Aided Dispatch software system that comes with RapidDeploy
- Nimbus has no GIS requirement beyond our NG911 GIS data
- Nimbus uses the ESB polys to recommend which units should respond to a call
- If your PSAP chooses to use Nimbus, the only changes that **\*might\*** be needed are edits to the ESBs to provide correct response recommendations.



# NG911 GIS User Group

Thank you!

Kansas 911 Coordinating Council website

<http://www.kansas911.org/>

DASC - Initiatives>NG911

<http://www.kansasgis.org/initiatives/NG911/>