



Kansas NG911 GIS Project

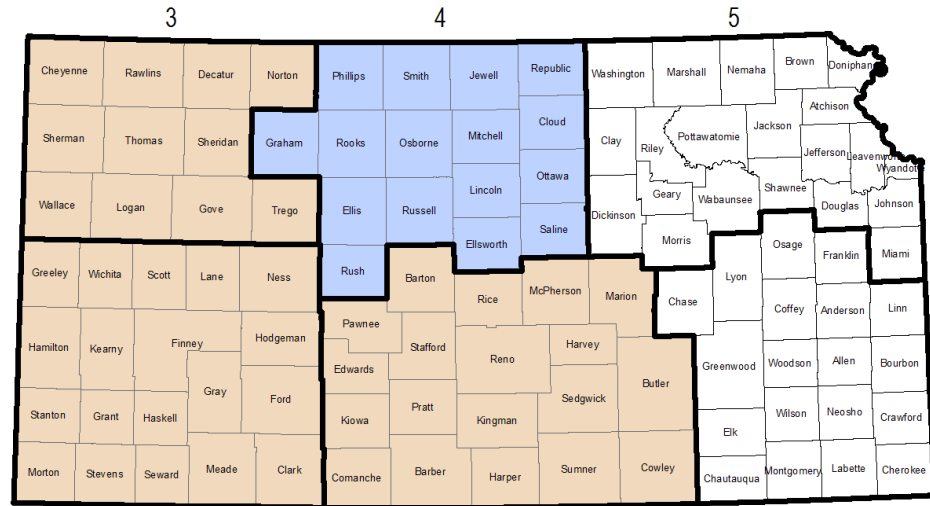
Regions 3 & 4 Gap Analysis Update

6/11/2014

Region 3

- Reports complete and submitted to Council on 6/9

Kansas NG9-1-1 GIS Project - GA Report Status
Date: 6/10/2014

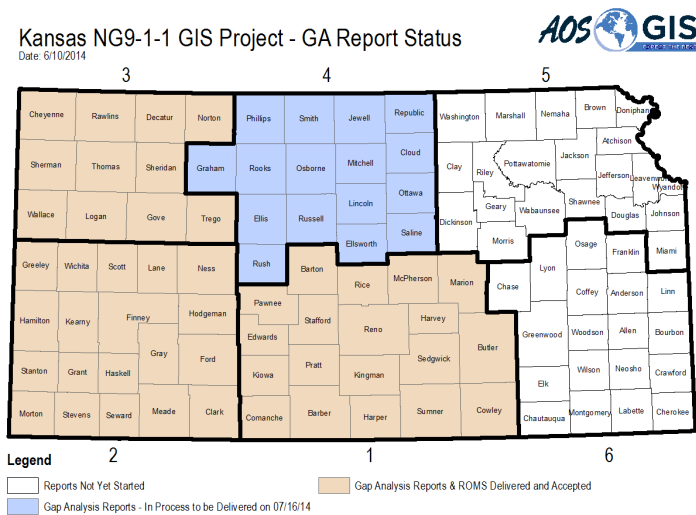


Legend

- Reports Not Yet Started
- Gap Analysis Reports & ROMS Delivered and Accepted
- Gap Analysis Reports - In Process to be Delivered on 07/16/14

Region 4

- TN Listing – Osborne
- Reports 50% complete
- To be delivered to Council on 7/16 or prior



Gap Analysis Report Explanation

Example County	County GIS Data Layer	NENA GIS Data Layer	Num of Errors
Duplicate Features	roads	Street Centerline	0
	addresses	Site/Structure Points	0
	ESN	Emergency Service Zone Boundary	0
	County	County Boundary	0
	Cities	Municipal Boundary	0
Overlaps	roads	Street Centerline	2
	ESN	Emergency Service Zone Boundary	0
	County	County Boundary	0
	Cities	Municipal Boundary	0
Gaps	roads	Street Centerline	16
	ESN	Emergency Service Zone Boundary	2
	County	County Boundary	0
	Cities	Municipal Boundary	0
Overhangs	roads	Road Centerline	4
Road Directionality Inconsistency	roads	Road Centerline	3
Split at Intersection	roads	Road Centerline	2
	ESN	Emergency Service Zone Boundary	62
	County	County Boundary	38
	Cities	Municipal Boundary	47

Gap Analysis Report Explanation

Incorrect ESN	addresses	Site/Structure Points	***
	roads	Road Centerline	***
ESN Boundary Misalignment			N/A
Road Name Inconsistency	roads	Road Centerline	6
MSAG Synchronization Errors		Match Percentage	91%
TN/ALI Synchronization Errors		Total Geocodable TNs	1094
		No Match (0%)	290
		> 90%	7
		100%	797
Missing NENA GIS Data Layers		Authoritative (PSAP) Boundary	
		Cell Site Coverage	
		Cell Site Location	
		Emergency Service Agency Boundary - EMS	
		Emergency Service Agency Boundary - Fire	
		Emergency Service Agency Boundary - Law	
		Emergency Service Agency Location	
		Municipal Division Boundary	
		Neighborhood Boundary	
		Road Name Analysis Table	

Gap Analysis Report Explanation

Non-NENA Fields	roads	Street Centerline	5
	ESN	Emergency Service Zone Boundary	3
	addresses	Site/Structure Points	6
	County	County Boundary	6
	Cities	Municipal Boundary	5
Missing NENA Fields	roads	Street Centerline	36
	ESN	Emergency Service Zone Boundary	8
	addresses	Site/Structure Points	33
	County	County Boundary	7
	Cities	Municipal Boundary	9
Field Types	See tab "Jurisdiction vs Nena Fields" for details		
Field Lengths	See tab "Jurisdiction vs Nena Fields" for details		
Address Point Geocode	Total Address Points		1378
	0%		31
	>= 90%		1
	90% - 99%		3
	100%		1343
CAMA Comparison	Total Geocodable CAMA Records		1325
	0%		330
	>= 90%		90
	90% - 99%		9
	100%		896

Gap Analysis Report Explanation

Multi-Address Structure Format			Multi & single point structures
USPS Abbreviation Standardization	addresses	Site Address Points	**
	roads	Street Centerline	**
Pre-Directional Errors	addresses	Site Address Points	**
	roads	Street Centerline	0
Post-Directional Errors	addresses	Site Address Points	**
	roads	Street Centerline	**
Projection	Local Boundaries: NAD_1983_UTM_Zone_14N, All Others: NAD_1983_StatePlane_Kansas_South_FIPS_1502_Feet		
Metadata	Stored in separate Metadata folder		
*Plus Geometry errors			
**Check tab for detailed information			
***No ESN field present in the Site / Structure Locations layer			

Gap Analysis Reports

Explanation - Tabs

- Data Crosswalk
- Notes
- CAMA
- Jurisdiction vs NENA Fields
- Duplicate Features
- Overlapping Features
- Gaps
- Overhangs
- Road Directionality Inconsistency
- Splits at Intersections
- Correct ESN
- ESN Boundary Misalignment
- Road Name Inconsistences
- MSAG Synchronization Errors
- Tele-ALI Synchronization Errors
- % Geocoded Features
- Multi-Address Structure Format
- UPSP Abbreviation
- Pre-Directional Errors
- Post-Directional Errors
- Projection Type Listing
- Metadata Requirements

QA Audit

- Slightly different than the Gap Analysis due to changes in the new Kansas standard.
- AOS will strive to return the QA Audit within five (5) business day, however this will be highly dependent on the number received at once. Priority will be given in regional order.

QA Audit – Audit Items

- Geodatabase Format
- Geometry
- Topology
- Duplicates
- Overlaps
- Overhangs
- Orphans
- Boundary Alignment
- Splits at Intersections
- Road Directionality
- Road Name Consistency
- Geocode of Address Points to Roads
- Multi-Structures
- Points on Structures
- New Road Segments
- Mandatory Fields (contain values)
- Domain Validation
- Unique ID Validation
- Road Alias ID to Road Centerline ID
- ESN Values
- Projection
- FGDC Mandatory Metadata Field