



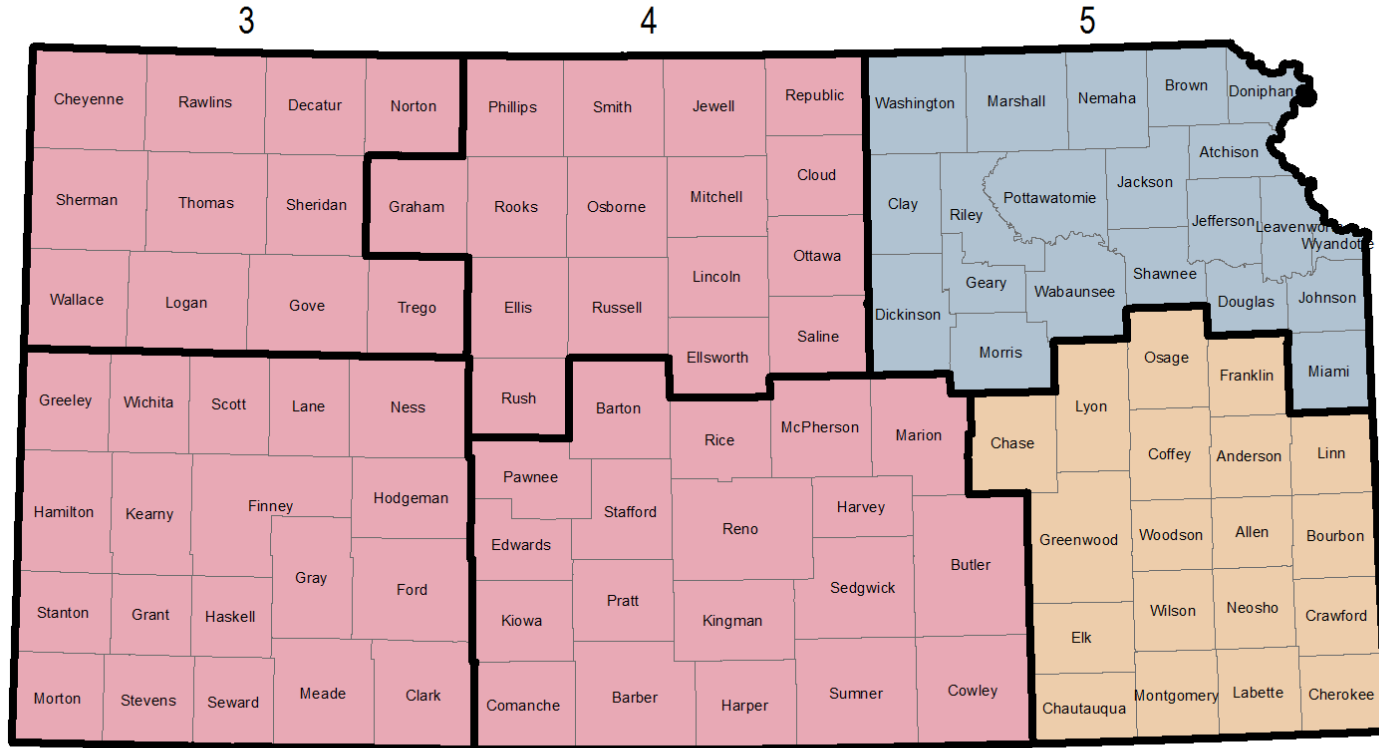
Kansas NG911 GIS Project

Regions 6 Gap Analysis Update

8/6/2014

Kansas NG9-1-1 GIS Project - GA Report Status

Date: 8/5/2014



Legend

- Gap Analysis In-Process to be Delivered by 9/3/14
- Gap Analysis Reports & ROMS Delivered and Accepted
- Gap Analysis Reports & ROM to be delivered by 7/16/14

Region 5

- Reports – 85% complete
- Reports complete by and delivered to 911 Council by 9/3/14

Region 6

- Outstanding GIS Data – Bourbon, Chase, Chautauqua, Linn, Neosho
- Outstanding CAMA Data – All (Eileen to request in the next few days)
- Data Process Status
 - CAMA : 0 of 19 (0%)
 - MSAG: 0 of 19 (0%)
 - TN: 7 of 19 (37%)
 - GIS Data Processed: 7 of 19 (37%)
- Reports – 0% complete
- Reports complete by and delivered to 911 Council by 10/29/14

Gap Analysis Report Explanation

Example County	County GIS Data Layer	NENA GIS Data Layer	Num of Errors
Duplicate Features	county	County Boundary	0
	cities	Municipal Boundary	0
	addresses	Site / Structure Layer	0
	roads	Street Centerline	2
Overlaps	county	County Boundary	0
	cities	Municipal Boundary	0
	roads	Street Centerline	25
Gaps	county	County Boundary	0
	cities	Municipal Boundary	0
	roads	Street Centerline	11
Overhangs	roads	Street Centerline	41
Road Directionality Inconsistency	roads	Street Centerline	54
Split at Intersection	roads	Street Centerline	10
	county	County Boundary	54
	cities	Municipal Boundary	110
Incorrect ESN			N/A
ESN Boundary Misalignment			N/A
Road Name Inconsistency	roads	Street Centerline	73

Gap Analysis Report Explanation

MSAG Errors	Roads No Matching MSAG	162
	MSAG Range	120
	MSAG No Matching Road	115
TNALI Synchronization Errors	Total Geocodable TNs	3944
	No Match (0%)	1693
	>= 90%	111
	90% - 99%	14
	100%	2126
Missing NENA GIS Data Layers	Authoritative (PSAP) Boundary	8
	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	
	Emergency Service Zone Boundary	

Gap Analysis Report Explanation

Non-NENA Fields	county	Courty Boundary	2
	Extracted from roads	Road Name Alias	55
	rrs	Railroad Centerlines	18
	cities	Municipal Boundary	2
	addresses	Site / Structure Layer	44
	roads	Street Centerline	40
Missing NENA Fields	county	Courty Boundary	6
	Extracted from roads	Road Name Alias	10
	rrs	Railroad Centerlines	5
	cities	Municipal Boundary	9
	addresses	Site / Structure Layer	26
	roads	Street Centerline	28
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		5070
	0%		709
	≥ 90%		619
	90% - 99%		689
	100%		3053

Gap Analysis Report Explanation

CAMA Comparison	Total Geocodable CAMA Records		8026
	0%		3370
	>= 90%		4
	90% - 99%		28
	100%		4624
Multi-Address Structure Format	addresses	Site / Structure Layer	Single Point
USPS Abbreviation Standardization	addresses	Site / Structure Layer	0
	roads	Street Centerline	1
Pre-Directional Errors	addresses	Site / Structure Layer	0
	roads	Street Centerline	0
Post-Directional Errors	addresses	Site / Structure Layer	0
	roads	Street Centerline	0
Projection	All Layers: NAD_1983_UTM_Zone_14N		
Metadata	Stored in separate Metadata folder		

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
- Roads No Matching MSAG
- MSAG-Road Matching Errors
- MSAG No Matching Roads
- 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 and submission.
- Remediation Vendor or Jurisdiction will upload GIS data onto the DASC FTP and notify AOS and the State POCs
- AOS will provide the QA Audit Report to the Review Team
- Review will notify Remediation Vendor or Jurisdiction of the results

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