



ALABAMA 911 BOARD

April 29, 2025
Talk About It Tuesday!

01

Our Team

02

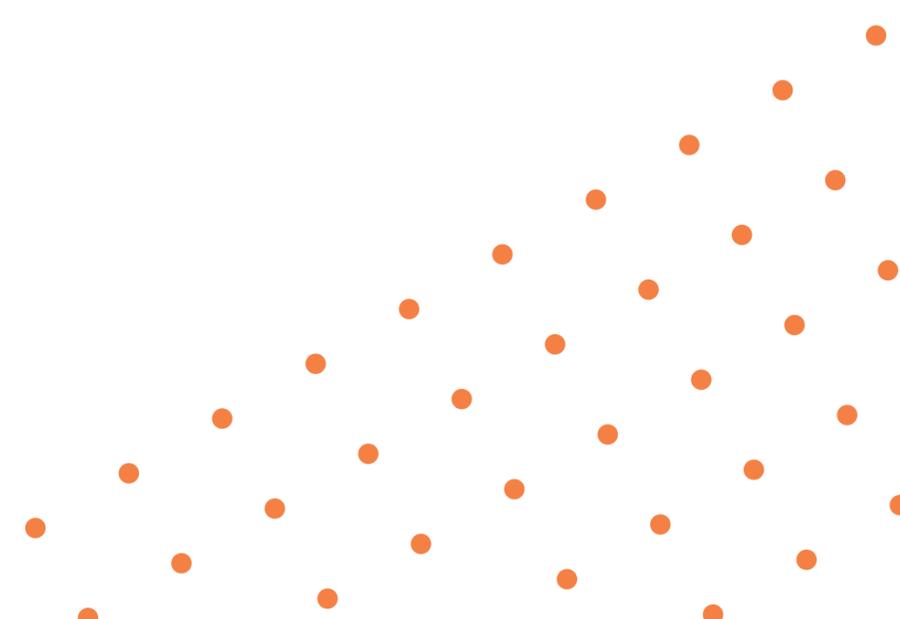
DATAMARK Quarterly VEP Updates

03

Deadlines and Announcements

04

Questions



@alabama911board



Alabama 9-1-1 Board



@al911board



al911board.com

Our Team

(334) 440-7911



Leah Missildine
Executive Director
Email: leah@al911board.com



Adam Brown
Deputy Director
Email: adam@al911board.com



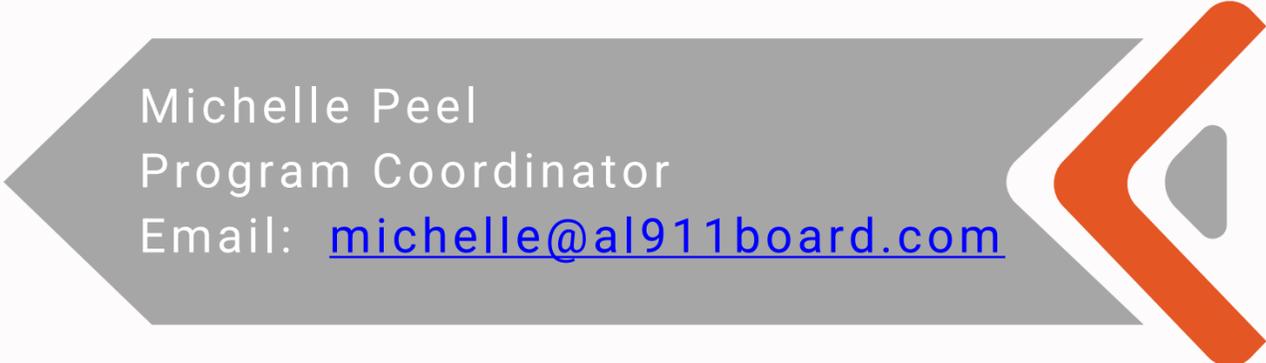
Anderson Brooms
GIS Program Manager
Email: anderson@al911board.com



Laura Ehrhart
Education & Outreach Program Manager
Email: laura@al911board.com



Daniel Higgs
Education and Outreach Specialist
Email: daniel@al911board.com



Michelle Peel
Program Coordinator
Email: michelle@al911board.com





Sara Wonder, GISP
DATAMARK Technologies

DATAMARK VEP Quarterly Updates



@alabama911board



Alabama 9-1-1 Board



@al911board



al911board.com



DATAMARK Technologies

VEP v2025.12

March 31, 2025

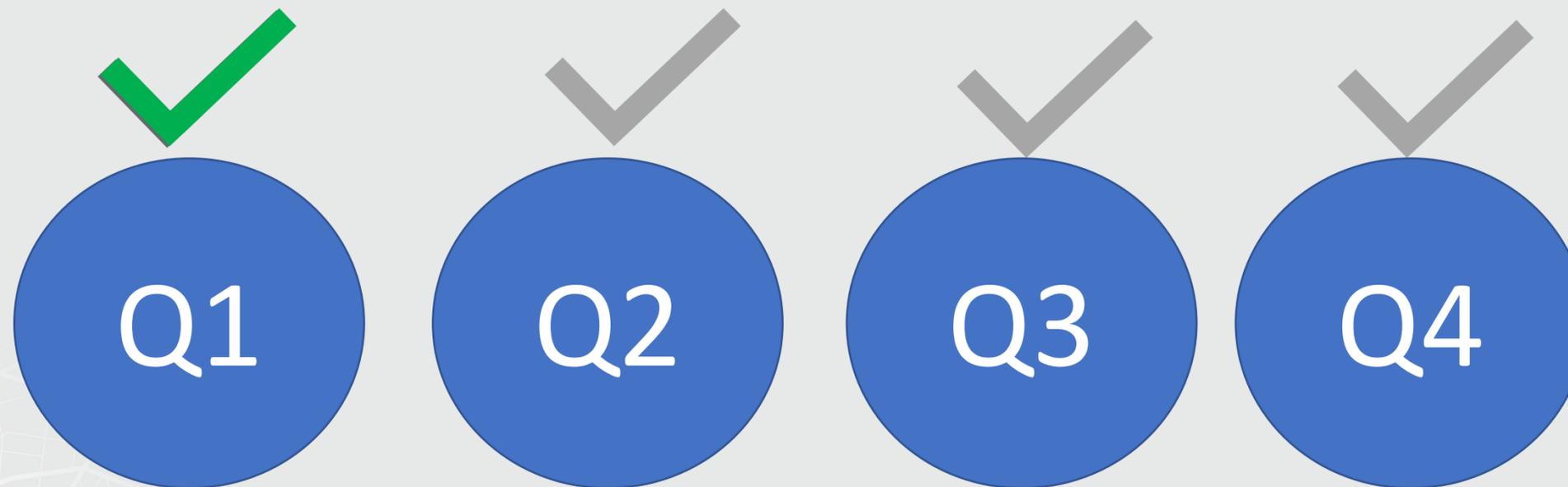
This document contains confidential and proprietary information. Reproduction and/or disclosure through any means is prohibited unless expressed, written consent of authorized representative of DATAMARK is obtained.



The next
generation
is **NOW!**

Release Schedule

- Quarterly Release Cycle
 - March
 - June
 - September
 - December
- Intermediary Releases
- Hotfixes



MSAG Generator (Premium Feature)

MSAG Generator (Premium Feature)

Updates to MSAG Generator (E, V, A, S)

When the Road Centerline has a range of 0-0 on one side and a valid range on the other, the valid ranges will be included in the GIS-derived MSAG. This enhancement means that bifurcated highways or dual carriageways will be included in the GIS MSAG if there is a valid range on at least one side of the Road Centerline.

discrpagid	dateupdate	effective	expire	rcl_nguid	adnumpre_l	adnumpre_r	fromaddr_l	toaddr_l	fromaddr_r	toaddr_r	parity_l
psap.134.baldwin	May 5, 2021, 8:18 AM	July 16, 2020, 1:36 PM					0	0	3582	3592	Z
psap.134.baldwin	May 5, 2021, 8:18 AM	July 16, 2020, 1:36 PM					3583	3593	0	0	O

Validations

Validations

Match Incorporated Municipality and Unincorporated Municipality Values in the RCL Address Range Overlap Validations (E, V, A, S)

The RCL Address Range Overlap Validation (VAL06-1, VAL06-2, VAL06-3, and VAL06-4) logic has been improved to directly compare the Incorporated Municipality and Unincorporated Community values between two Road Centerlines on each side, even if these values are NULL or marked as unincorporated. Previously, if either the `incmuni_l` or `incmuni_r` field was NULL or labeled as "unincorporated" for one of the Road Centerlines, the validation would compare the corresponding `uninccom_l` or `uninccom_r` fields instead. This updated process ensures a direct one-to-one comparison between the Road Centerline fields. Additionally, values containing spaces will now be preserved in the comparisons (e.g., "NORTHPORT" vs. "NORTH PORT").

NENA Domain Validations

NENA Domain Validations (E, V, S)

A new set of validations has been introduced to VEP. The NENA Domain Validations include 16 new checks that compare data in specific fields against NENA domain values. These validations ensure that the values match those specified in the NENA domain, are case-sensitive, and do not flag NULL values but will flag empty or blank values. The fields that will be validated include both Address Points and Road Centerlines, specifically: st_postyp, st_predir, st_posdir, st_presep, country, state, and parity.

The screenshot shows a web application interface for managing validation jobs. On the left is a dark sidebar with navigation options: Dashboard, Uploads, Validate, Map, Downloads, Utilities, Reports, and Admin. The main content area is titled 'Validate' and contains a sub-section for 'Individual Jurisdiction Validations'. At the top right of this section is a button labeled 'Create and Run Validations'. Below this, there are input fields for 'Validation Job Name:' and 'Schedule Validation Date/Time:'. The date field includes a calendar icon and a note: '* Leave blank to run immediately'. Below the date field are radio buttons for 'Recurrence Frequency' with options: None, Weekly, Bi-Weekly, and Monthly. Underneath is a section titled 'Validation Sessions to Run:' containing a list of checkboxes for various validation types. The 'Domain Validations' checkbox is checked and highlighted in yellow.

Validation Session	Selected
All Validations	<input type="checkbox"/>
Address Point to Road Centerline Comparisons (Fishbones)	<input type="checkbox"/>
Address Point Validations	<input type="checkbox"/>
Road Centerline Validations	<input type="checkbox"/>
Boundary Validations	<input type="checkbox"/>
MSAG Validations	<input type="checkbox"/>
ALI Validations	<input type="checkbox"/>
Domain Validations	<input checked="" type="checkbox"/>

NENA Domain Validations

- **An anomaly will be flagged if:**
 - If a value in the fields outlined is not included in the reference table.
 - If the cases are different than what's included in the reference table (i.e. WAY vs. Way)
 - Blank or empty values.
 - Leading or trailing spaces.
- **An anomaly will NOT be flagged if:**
 - There are NULL values in the validated fields.
- **Sixteen** new validations have been created to check **six** domain lists.

NENA Domain Validations

VAL ID	Output Description
ND-AP-1	Address Point street name post type field falls outside of NENA domain
ND-RCL-1	Road Centerline street name post type field falls outside of NENA domain
ND-AP-2	Address Point street name pre directional field falls outside of NENA domain
ND-RCL-2	Road Centerline street name pre directional field falls outside of NENA domain
ND-AP-3	Address Point street name post directional field falls outside of NENA domain
ND-RCL-3	Road Centerline street name post directional field falls outside of NENA domain
ND-AP-4	Address Point street name pre type separator field falls outside of NENA Domain
ND-RCL-4	Road Centerline street name pre type separator field falls outside of NENA Domain
ND-AP-5	Address Point country field falls outside of NENA domain
ND-RCL-5A	Road Centerline country left field falls outside of NENA domain
ND-RCL-5B	Road Centerline country right field falls outside of NENA domain
ND-AP-6	Address Point state field falls outside of NENA domain
ND-RCL-6A	Road Centerline state left field falls outside of NENA domain
ND-RCL-6B	Road Centerline state right field falls outside of NENA domain
ND-RCL-7A	Road Centerline street name parity left field falls outside of NENA domain
ND-RCL-7B	Road Centerline street name parity Right field falls outside of NENA domain

Validation Bug Fixes

Validation Bug Fixes

Updates to the RCL Address Range Overlap Logic (E, V, A, S)

Logic has been updated to accurately detect when a right range overlaps a left range (VAL06-2) and when a left range overlaps a right range (VAL06-3). This update has also been implemented in the cross-jurisdictional RCL range overlap logic (VAL63).

Populated External_nguid Values for RCL Does Not Break at Provisioning Boundary in the Cross-Jurisdictional Validations (E, V, A, S)

In the Cross-Jurisdictional Validations, the snap point anomalies for the RCL that do not break at the provisioning boundary (VAL61-1) will have the external_nguid value populated.

Bug Fixes

Bug Fix

Feature Datasets Allowing NULL Geometries to be Uploaded into VEP (E, V, S)

This update ensures that data that is uploaded as a feature dataset into VEP will not allow any NULL geometries to be uploaded. These NULL geometries will be caught in the verify step and rejected.

On the Horizon



The next
generation
is **NOW!**

VEP Code Modernization

Summer – Fall, 2025

The screenshot displays a web-based GIS application interface. On the left is a dark sidebar menu with the following items: Dashboard, Uploads, Validate, Map, Downloads, Utilities, Reports, and Admin. The main map area features a search bar at the top with the text "Find address or place" and a magnifying glass icon. Below the search bar is a vertical toolbar with various map navigation and editing tools. The map itself shows a street layout with a red line representing a road, labeled "Garrett Rd". Several utility lines are overlaid on the map, with labels such as "4815-5019 and 4816-5018 GARRETT ROAD", "4813-4813 and 4814-4814 GARRETT ROAD", and "4841-4811 and 4840-4812 GARRETT ROAD". A scale bar at the bottom left indicates "1,000 ft". At the bottom center, there is a copyright notice: "Copyright © 2025 Michael Baker International. All rights reserved." and a list of data sources: "Esri, NASA, NGA, USGS, FEMA | Esri Community Maps Contributors, FDEP, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, ...". At the bottom right, it says "Powered by Esri". On the right side of the map, a "Basemap Gallery" panel is open, showing a list of map styles: Blueprint, Charted Territory Map, Colored Pencil Map, Community Map, Dark Gray Canvas, Enhanced Contrast Dark Map, Enhanced Contrast Map, and Firefly Imagery Hybrid. The current map style is "Enhanced Contrast Map".



Questions?

Please reach out to your Account Manager or submit a question or comment anytime to the DATAMARK Support Center.

Updated Knowledge Base articles and release notes can also be found on the DATAMARK Support Center.



The next
generation
is **NOW!**



Deadlines

April 30 – Statement of Economic Interest – [Form](#) – [Who Must File](#)

May 10 – Legacy 9-1-1 Cost Reimbursement Submission – [Form](#)

May 10 – PST Certification Course Request for Payment – [Form](#)



@alabama911board



Alabama 9-1-1 Board



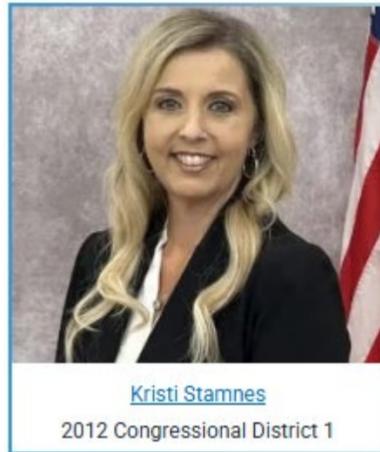
@al911board



al911board.com



Board Appointments & Upcoming Departures





Do you need training?

<https://app.al911board.com/training-registration>



Talk About It Tuesday

May 13

RapidSOS New Features

Questions?

Contact Us

(334) 440-7911



Leah Missildine
Executive Director
Email: leah@al911board.com



Adam Brown
Deputy Director
Email: adam@al911board.com



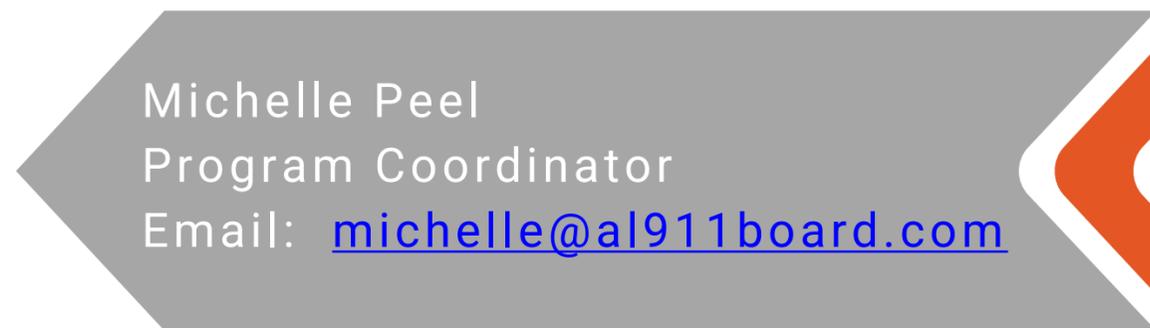
Anderson Brooms
GIS Program Manager
Email: anderson@al911board.com



Laura Ehrhart
Education & Outreach Program Manager
Email: laura@al911board.com



Daniel Hipps
Education and Outreach Specialist
Email: daniel@al911board.com



Michelle Peel
Program Coordinator
Email: michelle@al911board.com

