The Michigan ENHANCE 9-1-1 Grant Project

GIS Repository Training

December 11, 2013
Today’s Agenda

- 9:00 - 9:10 Agenda and Housekeeping
- 09:10 – 9:35 PSAP Administration Tool
- 9:35– 10:20 Data Viewer
- 10:20 – 10:50 Import Data Utility
- 10:50 – 11:05 Export Data Utility
- 11:05 – 11:15 Red Line Edit Tools
- 11:15 – 11:30 Questions

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Housekeeping

- Please mute phones
- Please do not put your phone on hold
- Please provide questions through the chat box
- Time for questions at the end of each section

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ENHANCE 911 Act Grant Project

- Created a central 9-1-1 GIS Repository
  - Enabling PSAPs to share GIS information
  - Establishing MOAs
  - Setting standards for GIS data entry
  - Future framework for NG9-1-1 database
- Statewide Public Safety Answering Point (PSAP) Boundary Layer
- Statewide Road Centerline Layer

www.michigan.gov/911gisgrant
Single Sign-On
https://sso.state.mi.us

State of Michigan Single Sign On

Single Sign On Quality Assurance System

User ID
Password

Login

* If you do not have a User ID, please click Register
  I forgot my Password

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Single Sign-On
https://sso.state.mi.us

User Registration Confirmation

Please review the following information. Click Submit.

First Name: Laura
Initial: L
Last Name: Blastic
Email Address: blastic.laura@gmail.com
Your User ID will be: blastic4783

Continue
Back
Submit
**Single Sign-On**

[https://sso.state.mi.us](https://sso.state.mi.us)

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State of Michigan Single Sign On

SUBSCRIPTION

Please Select from the list:

- Dept of Technology Management and Budget
- Statewide 9-1-1 Committee

[Next] [Back]

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Single Sign-On
https://sso.state.mi.us

State of Michigan Single Sign On

Application Portal

WELCOME Laura L Blastic,

Your password will expire in 121 days.

You are currently subscribed to the following applications:

- Statewide 9-1-1 Committee

Subscribe to Applications  Add new Roles to Existing Subscription
Account Maintenance  Sign Off

www.michigan.gov/911gisgrant
System Administration Tools

Add/Edit PSAP Administrators

Complete!

Your settings have been successfully saved. To add or edit another user select 'Continue.' To navigate to the home page, select 'Home.'
PSAP Administration Tools

- Each PSAP will have primary designated PSAP Administrator.
- Each PSAP can assign alternate PSAP Administrators.
- Internal communication for approval processes needs to be determined locally.
  - For example, approving PSAP boundary changes.

[Website Link: www.michigan.gov/911gisgrant]
## Roles

<table>
<thead>
<tr>
<th>Role</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSAP Administrator</td>
<td>This role is established for the person that will be managing the accounts for the users within a specific PSAP jurisdiction. This role will typically be assigned to the 9-1-1 Director.</td>
</tr>
<tr>
<td>Alternate PSAP Administrator(s)</td>
<td>This role is established for a person to provide a backup role to the PSAP Administrator for assigning logins or accounts. This role will have the same permissions level in the system as the PSAP Administrator.</td>
</tr>
<tr>
<td>Data Importer(s)</td>
<td>This role is established for a person who will be providing GIS data updates to the repository system. This role can be assigned to a PSAP staff member, County GIS department staff member or a vendor. This role is typically assigned to the person who is maintaining the GIS data.</td>
</tr>
<tr>
<td>Data Exporter(s)</td>
<td>This role is established for a person who will be extracting GIS data from the repository for 911 purposes on a regular basis. For example, the data exporter might be the person that typically integrates GIS data with existing CAD systems.</td>
</tr>
</tbody>
</table>
PSAP Administration Tools

State 9-1-1 Committee
9-1-1 GIS Grant Project

Administration

PSAPS Users

Click the PSAP name to add users, click the left arrow to view users, and click the user name to set permissions.

- Allegan County Central Dispatch
- Alpena County Central Dispatch
- Barry County Central Dispatch
- Jackson County Central Dispatch
- Ottawa County Central Dispatch
- St Joseph County Central Dispatch
- Van Buren County Central Dispatch

Contact:
www.michigan.gov/911gisgrant
PSAP Administration Tools: Permissions

Set Permissions for Josh Ross

<table>
<thead>
<tr>
<th>Permission</th>
<th>PSAPS</th>
<th>Roads</th>
<th>Structures</th>
<th>Emergency Service Zones</th>
</tr>
</thead>
<tbody>
<tr>
<td>View Current</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>View Pending</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can View</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can Edit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can Import</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can Export</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Save | Cancel
PSAP Administration: Remove User from PSAP

- Removing User Accounts
  - Rights are removed by PSAP Administrator
  - Account is Disabled by System Administrator – request needs to be submitted by PSAP Administrator
  - Can be Re-Enabled If User Goes to Work at Another PSAP

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Removing User Accounts

Administration

PSAPS  Users

- Allegan County Central Dispatch
- Alpena County Central Dispatch
  - Josh Ross
  - Zach Psap Admin
- Barry County Central Dispatch
- Jackson County Central Dispatch
- Ottawa County Central Dispatch
- St. Joseph County Central Dispatch
- Van Buren County Central Dispatch

Remove Josh Ross from Alpena County Central Dispatch?

- Yes, remove this user
- No, Don't remove

CLOSE
PSAP Administration Tools

- Requesting Data Export Rights for User

PSAP A

PSAP Administrator Sends Request for CAD Administrator to have Export Rights for Neighboring County

PSAP Administrator and CAD Administrator Receive Status Email

PSAP B

PSAP Administrator Receives Email to Log into System and Grant User Export Rights to PSAPs Data

PSAP Administrator Approves or Denies Export Privileges

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PSAP Administration: Requesting Permission

Administration

PSAP5 Users

Request access for Elisha Beshtria to another PSAP.

Access:  ☐ Import  ☐ Edit  ☐ Export

Feature:  ☐ PSAPS  ☐ Roads  ☐ Structures  ☐ ESZs

PSAP:  Acona County Central Dispatch

Comments:

Save  Cancel

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Data Sharing and Agreements

- Enhanced Access to Public Records Act
  - DTMB Policy Developed Specific to Project
    - Local Participant Will Need a Local Enhance Access to Public Records Act Policy
    - Project Can Provide Examples of Enhance Access to Public Records Act Policies – If Local Participant Does Not Have One in Place

- Memorandum of Agreement Between CSSTP and Each Participating Entity
  - Outlines Roles and Responsibilities of CSSTP and Participants
  - Established Disclaimers for Data Sharing
  - Signed Agreement
Data Sharing and Agreements

- Exported Data Can Only Be Used for 9-1-1 and Public Safety Purposes

The purpose of this MOA is to establish a mutual framework governing the respective organizational relationships, responsibilities, and activities between the parties. This agreement is for the utilization of GIS data for 9-1-1 and public safety purposes within a statewide 9-1-1 GIS repository developed by CSSTP (9-1-1 GIS Program).
Data Requests - FOIA

- Third Party Requests Data From CSSTP

  Third Party Makes a FOIA Request for Data Covering 6 jurisdictions

  CSSTP References Local Enhanced Access to Public Records Policy For GIS Data Fee Schedules

  Fees are totaled for all 6 jurisdictions plus any administration fees and third party must pay CSSTP to receive data extract

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Third Party Requests Data From CSSTP

Once third party pays costs
CSSTP releases data to third party

Local fees are reimbursed by
CSSTP to each local jurisdiction

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Third Party Requests Data From a Local Jurisdiction

Third party makes a FOIA request for data covering 6 other jurisdictions that the local jurisdiction has downloaded into its local systems.

Fees are totaled for all 6 jurisdictions plus any administration fees and the third party must pay the local jurisdiction to receive the data extract.

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Third Party Requests Data From Local Jurisdictions

Once third party pays costs, local jurisdiction releases data to third party.

Local fees are reimbursed by local jurisdiction that received the request to each of the 6 other local jurisdictions.

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Data Viewer

- **Potential Uses**
  - Only available for public safety via secure log in
  - The data viewer could benefit PSAPs where mapping does not currently exist for dispatch
  - The data viewer can be used to search addresses in other jurisdictions
  - Supplemental map to existing systems
  - Accessible via wireless in field or mobile command
  - Can be accessed in an EOC during large incident crossing multiple jurisdictions

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Data Viewer

Demonstration

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Data Viewer
Data Viewer

Layers
Toggle layer visibility by clicking the corresponding checkbox. Edit features on a layer by clicking the edit icon.

- Emergency Service Zone
- Structure
- Centerline
- PSAP
- Staged Data
- Sketches
Data Viewer

Zoom
Zoom enables users to quickly navigate to a map location.

County & PSAP
Select a county or PSAP from the list boxes below. If you choose a county first, the PSAP list will only contain PSAPs within the selected county.

County
Select

PSAP
Select
Data Viewer
Data Viewer
Data Viewer
Data Viewer

- Map Symbology
  - Populate FCC Codes
  - Populate RDCLASS Field
  - Outlined in addressing guide

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Data Viewer

State 9-1-1 Committee
9-1-1 GIS Grant Project

Layers
Toggle layer visibility by clicking the corresponding checkbox. Edit features on a layer by clicking the edit icon.
- Emergency Service Zone
- Structure
- Centerline
- PSAP
- Staged Data
- Sketches
Import Data

- Road centerlines
- MSAG – only for validation against new centerline layer being uploaded
- Emergency Service Zones – Optional
  - Beneficial for Mutual Aid
  - Will be beneficial for NG9-1-1 and interoperability
- Site Structure Points – Optional
  - Can be partial layer

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Import Data

Demonstration

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Import Data

Workflow
Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

<table>
<thead>
<tr>
<th>Task</th>
<th>Step</th>
<th>Status</th>
<th>Date</th>
<th>Update</th>
</tr>
</thead>
<tbody>
<tr>
<td>Import</td>
<td>QA/QC</td>
<td>Flags</td>
<td>09/06/2012</td>
<td></td>
</tr>
<tr>
<td>Import</td>
<td>QA/QC</td>
<td>Pending</td>
<td>09/06/2012</td>
<td></td>
</tr>
<tr>
<td>Export</td>
<td>End</td>
<td>Complete</td>
<td>09/06/2012</td>
<td></td>
</tr>
<tr>
<td>Export</td>
<td>End</td>
<td>Complete</td>
<td>09/06/2012</td>
<td></td>
</tr>
<tr>
<td>Import</td>
<td>QA/QC</td>
<td>Flags</td>
<td>09/06/2012</td>
<td></td>
</tr>
<tr>
<td>Import</td>
<td>QA/QC</td>
<td>Flags</td>
<td>09/06/2012</td>
<td></td>
</tr>
<tr>
<td>Import</td>
<td>QA/QC</td>
<td>Errors</td>
<td>09/06/2012</td>
<td></td>
</tr>
<tr>
<td>Import</td>
<td>QA/QC</td>
<td>Flags</td>
<td>09/06/2012</td>
<td></td>
</tr>
<tr>
<td>Export</td>
<td>End</td>
<td>Complete</td>
<td>09/06/2012</td>
<td></td>
</tr>
<tr>
<td>Import</td>
<td>QA/QC</td>
<td>Flags</td>
<td>08/29/2012</td>
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<tr>
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<td>QA/QC</td>
<td>Pending</td>
<td>08/29/2012</td>
<td></td>
</tr>
<tr>
<td>Edit</td>
<td>Approval</td>
<td>Pending (1)</td>
<td>08/30/2012</td>
<td></td>
</tr>
<tr>
<td>Export</td>
<td>End</td>
<td>Complete</td>
<td>08/20/2012</td>
<td></td>
</tr>
</tbody>
</table>
Import Data

Workflow
Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

Select a PSAP of the data: 
Clare County Central Dispatch

Select a layer to upload: 
ROAD CENTERLINES

Select files:
...
# Import Data

![Image of Import Data page](www.michigan.gov/911gisgrant)

## Please match data fields.

**ROAD CENTERLINES**

<table>
<thead>
<tr>
<th>Match Fields</th>
<th>Repository Standards</th>
<th>Your Shapefile Fields</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOURCE</td>
<td>SOURCE</td>
<td></td>
</tr>
<tr>
<td>DATEUPD</td>
<td>DATEUPD</td>
<td></td>
</tr>
<tr>
<td>EFFDATE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RCLID</td>
<td>RCLID</td>
<td></td>
</tr>
<tr>
<td>COUNTRY</td>
<td>COUNTRY</td>
<td></td>
</tr>
<tr>
<td>STATE_L</td>
<td>STATE_L</td>
<td></td>
</tr>
<tr>
<td>STATE_R</td>
<td>STATE_R</td>
<td></td>
</tr>
<tr>
<td>COUNTY_L</td>
<td>COUNTY_L</td>
<td></td>
</tr>
<tr>
<td>COUNTY_R</td>
<td>COUNTY_R</td>
<td></td>
</tr>
<tr>
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<td>MUNI_L</td>
<td></td>
</tr>
<tr>
<td>MUNI_R</td>
<td>MUNI_R</td>
<td></td>
</tr>
<tr>
<td>MCDDIV_L</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCDDIV_R</td>
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<td></td>
</tr>
<tr>
<td>UNCORP_L</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNCORP_R</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Import Data

Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

Select a Flag Name above to see all records that failed that scrub.

Export with No Data (flags only): Excel CSV
Export with Data: Excel CSV
### Flagged Records

Displaying records that failed the Flag: RangeOverlap

**Back to Summary**

<table>
<thead>
<tr>
<th>RCLID</th>
<th>Street</th>
<th>Left Community</th>
<th>Right Community</th>
<th>LLO</th>
<th>LHI</th>
<th>RLO</th>
<th>RHI</th>
<th>Exception</th>
</tr>
</thead>
<tbody>
<tr>
<td>1981</td>
<td>W ASHARD RD</td>
<td>FREEMAN TWP</td>
<td>FREEMAN TWP</td>
<td>7501</td>
<td>7989</td>
<td>7500</td>
<td>7988</td>
<td>0</td>
</tr>
<tr>
<td>1982</td>
<td>W ASHARD RD</td>
<td>FREEMAN TWP</td>
<td>FREEMAN TWP</td>
<td>6001</td>
<td>6299</td>
<td>6000</td>
<td>6298</td>
<td>0</td>
</tr>
<tr>
<td>1983</td>
<td>W ASHARD RD</td>
<td>FREEMAN TWP</td>
<td>FREEMAN TWP</td>
<td>6301</td>
<td>6549</td>
<td>6300</td>
<td>6548</td>
<td>0</td>
</tr>
<tr>
<td>1984</td>
<td>W ASHARD RD</td>
<td>FREEMAN TWP</td>
<td>FREEMAN TWP</td>
<td>6551</td>
<td>6699</td>
<td>6550</td>
<td>6698</td>
<td>0</td>
</tr>
<tr>
<td>1987</td>
<td>W ASHARD RD</td>
<td>FREEMAN TWP</td>
<td>FREEMAN TWP</td>
<td>6051</td>
<td>6999</td>
<td>6050</td>
<td>6998</td>
<td>0</td>
</tr>
<tr>
<td>3346</td>
<td>W ASHARD RD</td>
<td>FREEMAN TWP</td>
<td>FREEMAN TWP</td>
<td>7501</td>
<td>7989</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3318</td>
<td>BEECH TREE</td>
<td>SURREY TWP</td>
<td>SURREY TWP</td>
<td>3131</td>
<td>3199</td>
<td>3130</td>
<td>3200</td>
<td>0</td>
</tr>
<tr>
<td>3320</td>
<td>BEECH TREE</td>
<td>SURREY TWP</td>
<td>SURREY TWP</td>
<td>3131</td>
<td>3149</td>
<td>3130</td>
<td>3148</td>
<td>0</td>
</tr>
<tr>
<td>3147</td>
<td>S CLARE AVE</td>
<td>GRANT TWP</td>
<td>GRANT TWP</td>
<td>9041</td>
<td>9999</td>
<td>9040</td>
<td>9998</td>
<td>0</td>
</tr>
<tr>
<td>841</td>
<td>S CLARE AVE</td>
<td>GRANT TWP</td>
<td>GRANT TWP</td>
<td>9001</td>
<td>9939</td>
<td>9000</td>
<td>9938</td>
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</tr>
<tr>
<td>3380</td>
<td>N CORNING ST</td>
<td>FARWELL</td>
<td>FARWELL</td>
<td>171</td>
<td>299</td>
<td>170</td>
<td>298</td>
<td>0</td>
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<td>2414</td>
<td>N CORNING ST</td>
<td>FARWELL</td>
<td>FARWELL</td>
<td>1</td>
<td>199</td>
<td>2</td>
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<td>0</td>
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<td>3145</td>
<td>S EBERHART AVE</td>
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<tr>
<td>842</td>
<td>S EBERHART AVE</td>
<td>GRANT TWP</td>
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<td>11903</td>
<td>11000</td>
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</tr>
<tr>
<td>1027</td>
<td>FIVE LAKES DR</td>
<td>GRANT TWP</td>
<td>GRANT TWP</td>
<td>7401</td>
<td>7579</td>
<td>7400</td>
<td>7578</td>
<td>0</td>
</tr>
<tr>
<td>3096</td>
<td>FIVE LAKES DR</td>
<td>GRANT TWP</td>
<td>GRANT TWP</td>
<td>7581</td>
<td>7749</td>
<td>7580</td>
<td>7748</td>
<td>0</td>
</tr>
</tbody>
</table>
Exception Field

- Add a field called EXCEPTION to your local data – Long Integer Data Type

<table>
<thead>
<tr>
<th>Exception Code</th>
<th>Exception Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Limited Access Highway Features</td>
</tr>
<tr>
<td>2</td>
<td>Driveways or Non-Addressable Feature</td>
</tr>
<tr>
<td>3</td>
<td>Legacy Addressing Scenario</td>
</tr>
<tr>
<td>4</td>
<td>Local Road Naming Convention</td>
</tr>
<tr>
<td>5</td>
<td>Value Falls Outside of Jurisdiction</td>
</tr>
<tr>
<td>6</td>
<td>Correction Pending Local Review</td>
</tr>
<tr>
<td>7</td>
<td>Overlapping Segment Is Valid</td>
</tr>
</tbody>
</table>

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Import Data

- RCLIDs – Need to be populated and unique
  - Can use any local unique ID locally needs to be compatible for upload into alphanumeric field type with a 50 character limit
  - Populate using OBJECTID or FID during import process or calculate that field to OBJECTID or FID in your local data

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Import Data

- QA/QC check similar to data assessments that were run as part of grant project
- Additional field checks during import
  - Jurisdiction values
  - Source and date of update
- Critical Errors – That would prevent loading of data – no projection file, no RCLID, data types

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Export Data

- User needs to have been assigned export rights to export any other jurisdiction’s dataset
- PSAP Administrator must initiate request for one of their users to have export rights to neighboring jurisdiction’s data
- PSAP Administrators have export rights to all dataset as a system setting
  - Allows for access to datasets in case of large emergency event

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Export Data

Demonstration

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Export Data

Select a layer and the extent for extraction

1. Layer to download: ROAD CENTERLINES
2. Data Extent for extraction from: PSAP list

Your rights to download
You are a PSAP administrator. You can download any layers of any PSAPs.

(1) Select Counties
- Iron
- Isabella
- Jackson
- Kalamazoo

(2) Select PSAPs
- Clare County Central Dispatch
- Isabella County Central Dispatch

Selected features: Isabella County Central Dispatch
### Export Data

This page displays a data export interface with the following sections:

**Workflow**
- Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.
- Tasks include:
  - Import QA/QC (Flags)
  - Import QA/QC (Pending)
  - Import QA/QC (Errors)
  - Export End (Complete)

### Match Fields

#### Profile: My download Profile
- **ROAD CENTERLINES**

<table>
<thead>
<tr>
<th>State Geodatabase</th>
<th>Your Shapefile Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOURCE (type:A) *</td>
<td>COUNTRY</td>
</tr>
<tr>
<td>DATEUPD (type:D) *</td>
<td>DATEUPD</td>
</tr>
<tr>
<td>EFFDATE (type:D) *</td>
<td>EFFDATE</td>
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<tr>
<td>RCLID (type:A) *</td>
<td>RCLID</td>
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<td>COUNTRY (type:A) *</td>
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<td>STATE_R</td>
</tr>
<tr>
<td>COUNTY_L (type:A) *</td>
<td>COUNTY_L</td>
</tr>
<tr>
<td>COUNTY_R (type:A) *</td>
<td>COUNTY_R</td>
</tr>
<tr>
<td>MUNI_L (type:A) *</td>
<td>MUNI_L</td>
</tr>
<tr>
<td>MUNI_R (type:A) *</td>
<td>MUNI_R</td>
</tr>
<tr>
<td>MCDDIV_L (type:A) *</td>
<td>MCDDIV_L</td>
</tr>
<tr>
<td>MCDDIV_R (type:A) *</td>
<td>MCDDIV_R</td>
</tr>
</tbody>
</table>

**Export Data**

[www.michigan.gov/911gisgrant](http://www.michigan.gov/911gisgrant)
Select a projection: WGS_1984_World_Mercator

Terms and Conditions: As a data exporter, you are agreeing to abide by the terms and conditions outlined in the Memorandum of Agreement for this 9-1-1 GIS data repository. The terms of the memorandum of agreement (MOA) outlines that the signed agreement is for the utilization of GIS data for 9-1-1 and public safety purposes within a statewide 9-1-1 GIS repository developed by CSITP (9-1-1 GIS Program). All terms of GIS data use outlined in your agency’s MOA with CSITP must be adhered to. These include but are not limited to the following requirements:

Data originators participating in the 9-1-1 GIS repository authorize their 9-1-1 GIS data to be used by other PSAPs that are participating in the 9-1-1 GIS Program and who may request regional datasets to be used in their 9-1-1 systems.

In the event that a third party requests data, one of the following three scenarios will also apply:

1) If your agency receives a request for your own data, that request shall be subject to your Enhanced Access to Public Records policy. There is no need for the request to go through or be approved by DTMB/CSITP.
# Export Data

## Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

<table>
<thead>
<tr>
<th>Task</th>
<th>Step</th>
<th>Status</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Export</td>
<td>End</td>
<td>Complete</td>
<td>09/06/2012</td>
</tr>
<tr>
<td>Import</td>
<td>QA/QC</td>
<td>Flags</td>
<td>09/05/2012</td>
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</tr>
<tr>
<td>Import</td>
<td>QA/QC</td>
<td>Errors</td>
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### Export Workflow, Created: 9/6/2012 11:06:12 PM

<table>
<thead>
<tr>
<th>Step</th>
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<th>System Messages</th>
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<tbody>
<tr>
<td>Begin</td>
<td>Complete</td>
<td>9/6/2012 11:07:02 PM</td>
<td>Data is ready to download.</td>
<td></td>
</tr>
<tr>
<td>End</td>
<td>Complete</td>
<td>9/6/2012 11:07:02 PM</td>
<td><a href="#">Click here.</a></td>
<td></td>
</tr>
</tbody>
</table>
Export Data

- Working with your CAD vendor to integrate regional maps
- Review edge-match, when possible and coordinate with neighboring jurisdictions where larger discrepancies exist
- Data layers – road centerlines, PSAP boundaries, emergency services zones*, structure points* (* incomplete statewide layers)

[www.michigan.gov/911gisgrant]
Red Line Edits- PSAP Boundary

- PSAP Boundary Change Requests
  - Internal communication must be established at local level for approval process
  - Jurisdictions where Michigan Geographic Framework road centerlines are being use have opportunity to use the PSAP Boundary Change tools to make requests or approve changes since PSAP layer developed for the project is statewide

www.michigan.gov/911gisgrant
Red Line Tools – PSAP Boundary

- Requesting PSAP Boundary Change

PSAP Administrator
Makes Red Line Edit and Starts Approval Workflow

PSAP Administrator Receives Status Email

PSAP Administrator Receives Email to Log into System and Approve PSAP Boundary Change

PSAP Administrator Approves or Denies PSAP Boundary Change

www.michigan.gov/911gisgrant
Red Line Tools – PSAP Boundary

- Requesting PSAP Boundary Change

CSSTP

If Approved by All Affected PSAPs, CSSTP Staff Make Boundary Change and Workflow Sent for Final Approval By All PSAPS Affected By Change

PSAP Administrator Receives Status Email

Affected PSAPs

PSAP Administrators Receive Email to Log into System and Review Final Boundary Edits And Make Final Approval

PSAP Administrator Approves or Denies PSAP Boundary Change

[Link: www.michigan.gov/911gisgrant]
Red Line Edits- PSAP Boundary

Demonstration

www.michigan.gov/911gisgrant
Red Line Edits – Roads or Points

- All users can add red line edits for road or structure points
  - Internal protocol for who red lines can be established, if necessary
  - Notification email goes to PSAP admin and GIS importer for the jurisdiction that the red line is drawn
  - If road is drawn across multiple PSAP jurisdictions, PSAP admin and GIS importer from both jurisdictions get notifications

www.michigan.gov/911gisgrant
Red Line Edits – Roads or Points

Demonstration
Red Line Edits – Roads or Points

Editing Tools
Editing Tools enables users to edit existing or create new workflow.

Please select Add Structure, Add Road, or Add PSAP and then click the map where the feature will appear.

Double-click to complete
Edge-matching

- Edge-matching is run during import. Roads are snapped to PSAP boundary layer.
- Continued coordination between jurisdictions for edge-matching and addressing attributes along boundaries is also a NENA recommendation for sustaining long-term 9-1-1 GIS data integrity in preparation for NG9-1-1.

www.michigan.gov/911gisgrant
Edge-matching
Edge-matching
Edge-matching

COUNTY A

COUNTY B

- Location: 573,096.991 370,672.533 Meters
- Field | Value
  | 
  OBJECTID | S1
  SHAPE | Point
  code | ROAD NEEDS MOVED
  Comment | ADJUST ROAD TO MATCH COUNTY B
  County | COUNTY A

Line measurement:
Segment: 14.689553 Feet
Length: 14.689553 Feet
Edge-matching

COUNTY E

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBJECT</td>
<td>91</td>
</tr>
<tr>
<td>SHAPE</td>
<td>Point</td>
</tr>
<tr>
<td>code</td>
<td>MISC-SEE COMMENTS</td>
</tr>
<tr>
<td>Comment</td>
<td>SPLIT ROAD AT PSAP BOUNDARY, ADJUST RANGES AND CODE LEFT AND RIGHT PSAP ACCORDINGLY</td>
</tr>
<tr>
<td>County</td>
<td>COUNTY E</td>
</tr>
</tbody>
</table>

Identified Feature
Addressing Guide

- Guidelines for addressing techniques
- Continue to incorporate standardization
- Road naming guidelines
- Addressing scenarios
- There will be unique local addressing scenarios
- GIS and MSAG synchronization

www.michigan.gov/911gisgrant
More Information

- [www.michigan.gov/911GISGrant](http://www.michigan.gov/911GISGrant)
- [www.michigan.gov/snc](http://www.michigan.gov/snc)
  - Harriet Miller-Brown
    - [MillerHR@michigan.gov](mailto:MillerHR@michigan.gov)
    - 517-241-0080
  - Laura Blastic
    - [blasticl@michigan.gov](mailto:blasticl@michigan.gov)
    - 517-373-7910
  - Paul Harmon
    - [harmonp@michigan.gov](mailto:harmonp@michigan.gov)
    - 517-373-7910
  - Mark Holmes
    - [mark.holmes@lrkimball.com](mailto:mark.holmes@lrkimball.com)
    - 814-472-7700 ext. 1308

[www.michigan.gov/911gisgrant](http://www.michigan.gov/911gisgrant)
Questions

Open Discussion

www.michigan.gov/911gisgrant