



# Indiana CASM Training

March 7, 2011





# Agenda & Training Objectives

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- **Communication Assets Survey & Mapping (CASM)**
  - Become familiar with CASM tool
  - Learn how Indiana Department of Homeland Security (IDHS) and Integrated Public Safety Commission (IPSC) plan to use CASM
- **Indiana's CASM Data**
  - Understand how your local information will look in CASM
  - Learn what you will and won't see in CASM
- **Using CAM to Assess Interoperability**
  - Be able to gain access to CAM
  - Be able to use CAM to assess available communications within your local area and across neighboring communities
- **Questions and Answers**



# Communication Assets Survey & Mapping (CASM)

- CAS** – Database to store all assets across the state that links user agencies with those assets

**Communication Assets Survey (CAS)**  
For Official Use Only

State/Urban Area: Indiana

**Radio System List**

700 Radio System(s) Associated with My State / Urban Area: Indiana

The table below contains a list of all radio systems that have been entered for Indiana. Please review the list before adding a new radio system to prevent duplicate data entry.

Filter: [ ] Filter Column:  Radio System  Freq. Band  Owning Agency [Clear Filter] [ADD NEW RADIO SYSTEM]

Results 1 - 200 of 700

Radio System Name	Frequency Band	Owning Agency	View/Edit/Delete?
Adams Co Sheriff	VHF High-Band (150-174MHz)	Adams County Sheriffs Dept.	[VIEW] [EDIT] [DELETE]
Adams Twp Fire - Allen Cc	VHF High-Band (150-174MHz)	Adams Twp. VFD (New Haven)	[VIEW] [EDIT] [DELETE]
Adams Twp Fire - Madison Co	VHF High-Band (150-174MHz)	Adams Twp. VFD (Markleville)	[VIEW] [EDIT] [DELETE]
Adams Twp Fire - Twelve Mile	VHF High-Band (150-174MHz)	Twelve Mile Community VFD	[VIEW] [EDIT] [DELETE]
Air Evac EMS	VHF High-Band (150-174MHz)	Air Evac EMS (Brazil)	[VIEW] [EDIT] [DELETE]
Air Evac Lifeteam	VHF High-Band (150-174MHz)	Air Evac EMS (Evansville)	[VIEW] [EDIT] [DELETE]
Albote Twp Fire	VHF High-Band (150-174MHz)	Albote Twp. VFD (Ft. Wayne)	[VIEW] [EDIT] [DELETE]
Alexandria Fire	VHF High-Band (150-174MHz)	Alexandria FD	[VIEW] [EDIT] [DELETE]
Alexandria PD	800 (806/851 - 824/869 MHz)	Alexandria PD	[VIEW] [EDIT] [DELETE]
Allen Co Fire	VHF High-Band (150-174MHz)	Fort Wayne FD	[VIEW] [EDIT] [DELETE]
Allen County/Ft. Wayne MACP	800 (806/851 - 824/869 MHz)	Multiple Agencies	[VIEW] [EDIT] [DELETE]
American Medical Response (AMR)	VHF High-Band (150-174MHz)	American Medical Response (Evansville)	[VIEW] [EDIT] [DELETE]
Anderson 800 Mhz	800 (806/851 - 824/869 MHz)	Anderson PD	[VIEW] [EDIT] [DELETE]
Anderson UHF	UHF (450-512 MHz)	Anderson EMA	[VIEW] [EDIT] [DELETE]

- CAM** – Mapping tool that places information from CAS into a state view. Interoperability can be mapped between agencies or geographies.

**Communication Assets Mapping Tool**

User Name: Mark Warner  
State/Urban Area: Indiana

All  Selections

Agencies by Discipline  ▲

Agencies by Name  ▲

Agencies by Political Entity  ▲

All Agencies  ▲

Radio System by Using Agency  ▲

Radio System by Name  ▲

Radio System by Freq Band  ▲

All Radio Systems  ▲

Towers by Radio System  ▲

All Towers  ▲

Dispatch / Gateway by Agency  ▲

Radio Cache by Political Entity  ▲

Compatibility

Interoperability

View by IC Method....

Interoperability Matrix...

Day-To-Day

Exit



# Communication Assets Survey & Mapping (CASM)

## What's new in CASM:

- Response Level Communications Tool (NECP Goal 2)
- Frequency Mapping Tool

The screenshot shows the CASM web application interface. At the top left, there are logos for OEC / ICTAP and SPAWAR Systems Center PACIFIC. The main title is "Communication Assets Survey and Mapping (CASM) For Official Use Only". Below the title, there is a navigation bar with a "CASM Home" link. The main content area contains four links: "Communication Assets Survey (CAS) Login", "Communication Assets Mapping (CAM) Download Login", "Response Level Communications Tool (NECP Goal 2)", and "Frequency Mapping Tool (FMT)". Below these links, there is a disclaimer in red text: "You are accessing a U.S. Government (USG) Information System (IS) that is provided for USG-authorized use only. By using this IS (which includes any device attached to this IS), you consent to the following conditions: -The USG routinely intercepts and monitors communications on this IS for purposes including, but not limited to, penetration testing, COMSEC monitoring, network operations and defense, personnel misconduct (PM), law enforcement (LE), and counterintelligence (CI) investigations. -At any time, the USG may inspect and seize data stored on this IS. -Communications using, or data stored on, this IS are not private, are subject to routine monitoring, interception, and search, and may be disclosed or used for any USG-authorized purpose. -This IS includes security measures (e.g., authentication and access controls) to protect USG interests--not for your personal benefit or privacy. -Notwithstanding the above, using this IS does not constitute consent to PM, LE or CI investigative searching or monitoring of the content of privileged communications, or work product, related to personal representation or services by attorneys, psychotherapists, or clergy, and their assistants. Such communications and work product are private and confidential. See User Agreement for details."



# Communication Assets Survey & Mapping (CASM)

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## What you can see in CASM:

- **Public Safety Agencies:** Police, Fire, Emergency Medical Services (EMS), Emergency Management Agency (EMA), Health, Public Works
- **Statewide, District-level and Local Communications “Assets”**
  - Radio Systems: VHF Low, VHF High, UHF, 800MHz
  - Mutual Aid: Interoperability Channels and Talk Groups
  - Gateways: ACU-1000, ACU-M, Motorola Motobridge, etc. to connect radio operators on different systems (mobile or fixed)
  - Radio Caches: Store of radios that can be deployed to other agencies for special events, incidents, training, etc.
  - Dispatch Centers: Public Safety Answering Points (PSAPs) and other Dispatch Centers



# Communication Assets Survey & Mapping (CASM)

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## What you can see in CASM – *By the Numbers:*

- **Public Safety Agencies** 2,168 agencies
- **Statewide, District-level and Local Communications “Assets”**
  - Radio Systems 659 systems
  - Mutual Aid 322 MA channels
  - Gateways 41 ACU-1000’s or other gateways
  - Radio Caches 68 deployable caches
  - Dispatch Centers 283 dispatch centers



# Communication Assets Survey & Mapping (CASM)

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## How Indiana plans to use CASM:

- As a planning tool for public safety communication agencies
- To populate Tactical Interoperable Communications Plans (TICPs) for each district
- To maintain a repository of communication assets and points of contact
  - **NOTE:** *CASM is not a phone directory. For each agency and communication asset, there should be **one** 24/7 phone number and **one** point of contact (name, email, phone, etc.)*
- To train and plan activities, especially those that might take place across jurisdictional lines (within the state, or across state lines)



# Indiana's CASM Data

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- Primary agencies listed in four major disciplines:
  - Fire: Fire Departments (FD) and Volunteer Fire Departments (VFD)
  - EMS: Agencies providing ambulance transport
    - If a fire department has EMS, that agency will be listed twice, once in each discipline (e.g., Advance VFD and Advance VFD/EMS, separately)
    - Private ambulance services will only be listed if they have a public contract to provide transport services
  - Police: Police and Sheriff's Departments
  - Other: EMA
- Other disciplines that you may see for your agencies include:
  - Public Safety Communications: Used for stand-alone PSAPs/Dispatch agencies
  - Health Care: Hospitals listed separately from EMS listing
  - Public Works



## Indiana's CASM Data (cont.)

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- How Indiana Agencies and Assets are named in CASM:
  - If a Township name or Agency name does not include the municipality name, it should ALWAYS have the municipality listed after the agency name (e.g., Adams Twp. VFD (Markleville))
  - Gateways, Dispatch Centers, and Radio Caches have the owner agency name listed, then Asset Name:
    - Gateways: [Owner agency name] ACU-1000
    - Dispatch Centers: [Owner agency name] Dispatch
    - Radio Caches: [Owner agency name] [Frequency] Radio Cache
  - If an agency has multiple locations in a single county, only the central location should be kept in CASM (e.g., FD with multiple stations)
  - Statewide entities are listed once, with local contact information in Points of Contact listings (e.g., Rural Metro Ambulance, ISP)



# Indiana's CASM Data (cont.)

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## What you won't see in CASM

- Information included in District TICPs:
  - Communication Van (Mobile Communications Unit) information
  - Amateur Radio points of contact and frequencies
  - District COMLs/Communications Contacts
- Information shared with IPSC and IDHS:
  - Inter-state/inter-district communications MOUs and procedures
    - **NOTE:** CASM data for neighboring states can be made available to Indiana users for interstate exercises (contact IPSC for more information).
  - Feedback regarding interoperable communications



## Indiana's CASM Data (cont.)

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### Who will have access to CASM?

- IPSC manages access and creates authorized users in CAS and CAM
  - IPSC will handle future data entry and updates
  - Local agencies can request access to CAM (the mapping tool) to see their data and relevant data from neighboring counties, etc.
- Public safety communications personnel can request access to CAM
  - Follow this link: [http://www.in.gov/ipsc/files/User\\_Application\\_Form.pdf](http://www.in.gov/ipsc/files/User_Application_Form.pdf)  
(Completed form should be approved by County EMA)
  - Or, contact Sally Fay at IPSC ([sfay@ipsc.in.gov](mailto:sfay@ipsc.in.gov) or (317) 234-2572)
- IPSC will grant access to CAS for data entry on a case-by-base basis
  - To request CAS access for data entry, contact Steve Skinner ([sskinner@ipsc.in.gov](mailto:sskinner@ipsc.in.gov) or (317) 233-8625) or Sally Fay at IPSC



# Using CAM

**Main CAM window**  
File Analysis Reports Help

U.S. DEPARTMENT OF HOMELAND SECURITY  
**OEC / ICTAP**

SPAWAR  
Systems Center  
PACIFIC

**Communication Assets Mapping Tool**  
User Name: Mark Warner  
State/U...

All  Selections

Agencies  
Towers  
Radio Systems  
Radio Cache  
Dispatch / Gateway

Compatibility  
Interoperability  
View by IC Method ...  
Interoperability Matrix ...  
Day-To-Day  
Exit

Additional zooming tools, as well as the button to display the map legend

Buttons change the display on the screen. Currently, agencies are displayed

click to access the menu for zooming and panning

Zoom In  
Zoom Out  
Recenter  
Recenter Zoom In  
Recenter Zoom Out  
Pan North  
Pan South  
Pan East  
Pan West  
Recenter On Agency ...  
Recenter On Agency and Zoom...

Scale Factor

Original View  
Zoom Box  
Map Legend

Lat: 39 58 24.0 N Lon: 84 18 00.6 W Deg Min Sec

**For Official Use Only**



# Finding Agency Specific Information

### Agency Information

For Official Use Only

- Agency Name: Carmel PD
- Agency Point of Contact:
  - Fogarty, Mike (Chief)
  - Phone: 317-571-2500
  - Email:
  - POC Type: Agency POC
- Serves: Carmel
- [Interoperability Methods Currently In Use](#)
  - P25 Standards-based Systems
  - P25 Standards-based Systems, potential
  - Shared Channels
  - Shared Channels, potential
- Radio Systems Used:
 

System Name	Number Mobile	Number Handheld	Agency Use of System Comments
<a href="#">155.1300 W</a>	0	0	
<a href="#">155.3700 W</a>	0	0	
<a href="#">155.4900</a>	0	0	
<a href="#">851.0125 8CALL90</a>	0	0	



# Using CAM to Assess Interoperability

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- Three Activities
  - Compatibility Button
  - Interoperability Matrix
  - TICP Report Generation

## **First planning activity:**

*There's a police chase, originating in Marion County, continuing on I-69 through Marion, Hamilton and Madison Counties. Using the Compatibility button, determine how these counties can communicate.*



# The Compatibility Button: Two Agencies

File Analysis Reports Help

U.S. DEPARTMENT OF HOMELAND SECURITY **OEC / ICTAP** SPANAR Systems Center PACIFIC

**Communication Assets Mapping Tool**

User Name: Mark Warner  
State/Urban Area: Indiana

All Selections

Agencies  
Towers  
Radio Systems  
Radio Cache  
Dispatch / Gateway

Compatibility  
Interoperability  
View by IC Method ...  
Interoperability Matrix ...  
Day-To-Day  
Exit

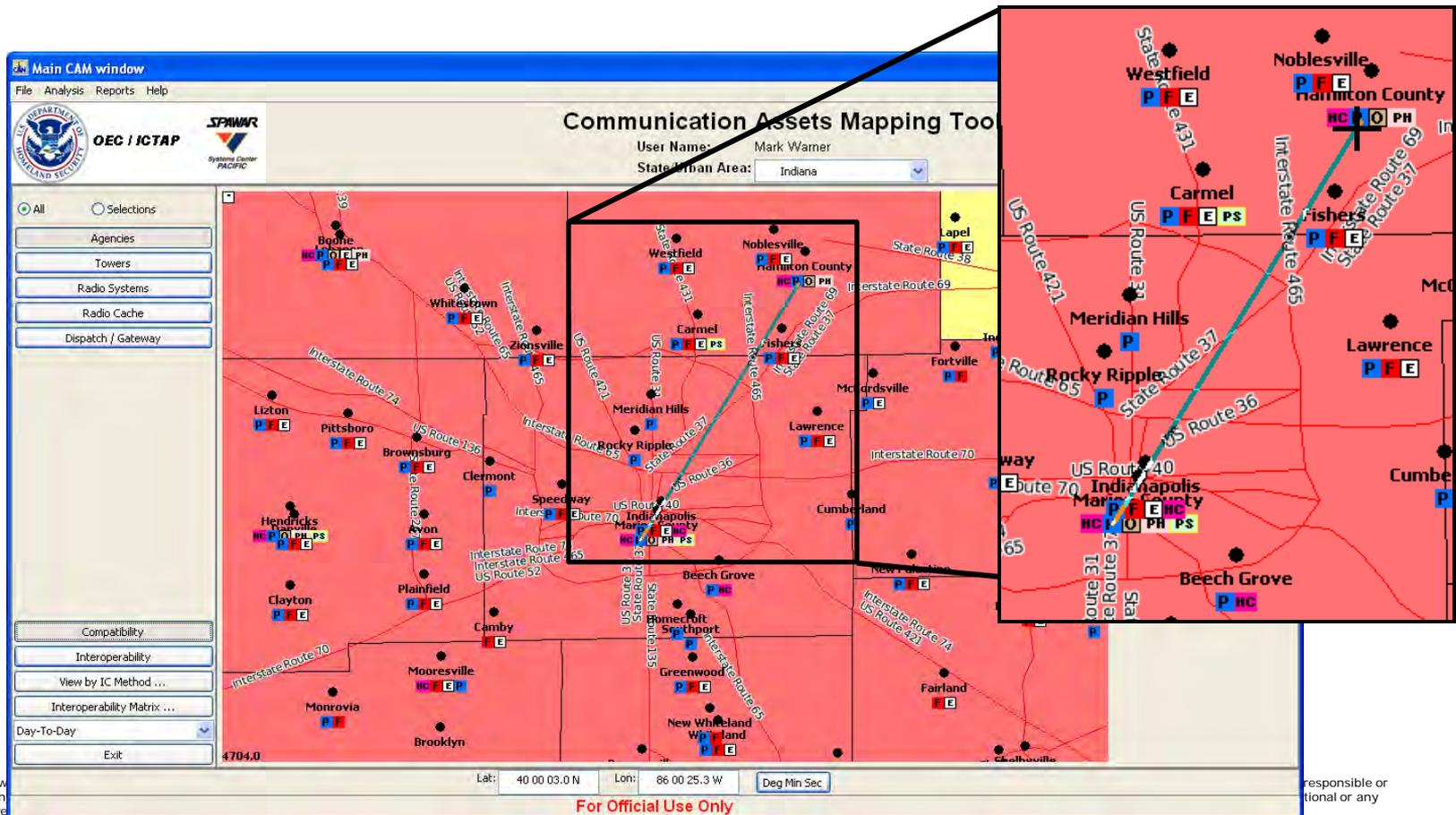
Zoom In  
Scale Factor  
Zoom Out  
Original View  
Zoom Box  
Map Legend

Lat: 40 12 41.2 N Lon: 85 31 50.2 W Deg Min Sec

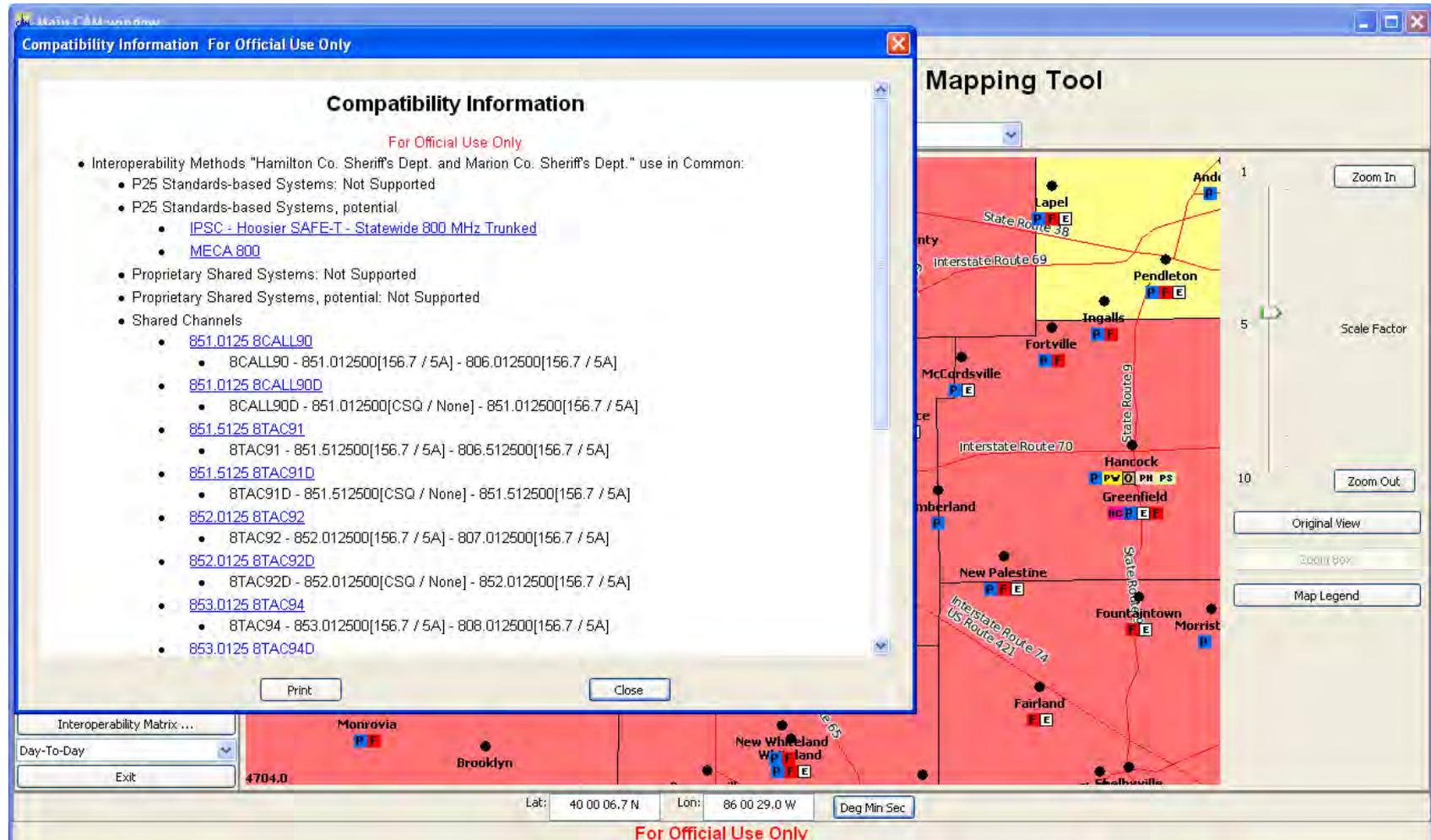
**For Official Use Only**

# Connect the Dots

If you want to see how two agencies could communicate, draw a line by clicking the cursor on one of the agencies, and then on the other - In the example, Marion Co. Sheriff and Hamilton Co. Sheriff



# Compatibility Pop-up Box



**Compatibility Information For Official Use Only**

**Compatibility Information**  
For Official Use Only

- Interoperability Methods "Hamilton Co. Sheriff's Dept. and Marion Co. Sheriff's Dept." use in Common:
  - P25 Standards-based Systems: Not Supported
  - P25 Standards-based Systems, potential:
    - [IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked](#)
    - [MECA 800](#)
  - Proprietary Shared Systems: Not Supported
  - Proprietary Shared Systems, potential: Not Supported
  - Shared Channels:
    - [851.0125 8CALL90](#)
      - 8CALL90 - 851.012500[156.7 / 5A] - 806.012500[156.7 / 5A]
    - [851.0125 8CALL90D](#)
      - 8CALL90D - 851.012500[CSQ / None] - 851.012500[156.7 / 5A]
    - [851.5125 8TAC91](#)
      - 8TAC91 - 851.512500[156.7 / 5A] - 806.512500[156.7 / 5A]
    - [851.5125 8TAC91D](#)
      - 8TAC91D - 851.512500[CSQ / None] - 851.512500[156.7 / 5A]
    - [852.0125 8TAC92](#)
      - 8TAC92 - 852.012500[156.7 / 5A] - 807.012500[156.7 / 5A]
    - [852.0125 8TAC92D](#)
      - 8TAC92D - 852.012500[CSQ / None] - 852.012500[156.7 / 5A]
    - [853.0125 8TAC94](#)
      - 8TAC94 - 853.012500[156.7 / 5A] - 808.012500[156.7 / 5A]
    - [853.0125 8TAC94D](#)

Print Close

Interoperability Matrix ...  
Day-To-Day  
Exit

4704.0  
Lat: 40 00 06.7 N Lon: 86 00 29.0 W Deg Min Sec

**Mapping Tool**

Zoom In  
Scale Factor  
Zoom Out  
Original View  
Zoom Box  
Map Legend

**For Official Use Only**

# Compatibility Button

After the pop-up box is closed, the line is color-coded to represent the highest level of compatibility

# Compatibility Button: Multiple Agencies

What if you want to know how one agency might be compatible with multiple different agencies?

Same exercise: Traffic chase up I-69 originating in Marion Co.

# Compatibility Button: Multiple Agencies (cont.)

- If the Marion Co. Sheriff wants to know interoperability between their radios and **both** Hamilton Co. and Madison Co. Sheriff

The screenshot displays the 'Communication Assets Mapping Tool' (CAM) interface. The main window is titled 'Main CAM window' and shows a map of Indiana with various radio systems and agencies marked. A 'Multiple Agency Compatibility' dialog box is open, displaying a tree view of agencies under the 'State/Urban Area' and 'Indiana' categories. The dialog box includes 'OK' and 'Cancel' buttons. The software interface also shows a menu bar, a toolbar, and a status bar at the bottom with coordinates and a 'Deg Min Sec' button.

# Compatibility Button: Multiple Agencies (cont.)

- Select Hamilton Co. and Madison Co. from the pop-up box

The screenshot shows the 'Communication Assets Mapping Tool' interface. The main window displays a map of Indiana with various communication assets marked. A 'Multiple Agency Compatibility' pop-up window is open, showing a tree view of agencies. The 'Hamilton Co. Sheriff's Dept.' is highlighted with a red box. The interface includes a menu bar, a toolbar, and a status bar at the bottom.



# Compatibility between the two selected agencies

### Compatibility Information

For Official Use Only

- Interoperability Methods "Hamilton Co. Sheriff's Dept. and Madison Co. Sheriff's Dept." use in Common:
  - P25 Standards-based Systems: Not Supported
  - P25 Standards-based Systems, potential
    - [IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked](#)
  - Proprietary Shared Systems: Not Supported
  - Proprietary Shared Systems, potential: Not Supported
- Shared Channels
  - [154.2800 VFIRE21W](#)
    - VFIRE21W - 154.280000[] - 154.280000[]
  - [866.0125 ICALL](#)
    - ICALL - 866.012500[156.7 / 5A] - 821.012500[156.7 / 5A]
  - [867.0125 ITAC2](#)
    - ITAC2 - 867.012500[156.7 / 5A] - 822.012500[156.7 / 5A]
  - [867.5125 ITAC3](#)
    - ITAC3 - 867.512500[156.7 / 5A] - 822.512500[156.7 / 5A]
  - [868.0125 ITAC4](#)
    - ITAC4 - 868.012500[156.7 / 5A] - 823.012500[156.7 / 5A]
- Shared Channels, potential
  - 154.280000[] - 154.280000[]
    - VFIRE21W [Hamilton Co. Sheriff's Dept.](#)
    - [Madison Co. Sheriff's Dept.](#)
  - ICALL - 866.012500[156.7 / 5A] - 821.012500[156.7 / 5A]

### Mapping Tool

For Official Use Only



# Marion Co Sheriff – Hamilton Co and Madison Co

Main CAM window

File Analysis Reports Help

U.S. DEPARTMENT OF HOMELAND SECURITY  
OEC / ICTAP

SPAWAR  
Systems Center  
PACIFIC

### Communication Assets Mapping Tool

User Name: Mark Warner  
State/Urban Area: Indiana

All Selections

- Agencies
- Towers
- Radio Systems
- Radio Cache
- Dispatch / Gateway

Compatibility

- Interoperability
- View by IC Method ...
- Interoperability Matrix ...
- Day-To-Day
- Exit

Zoom In

Scale Factor

Zoom Out

Original View

Zoom Box

Map Legend

Lat: 40 00 37.2 N Lon: 85 27 56.3 W Deg Min Sec

**For Official Use Only**

Finally, point the cursor on the Marion Co. "P" and the lines will connect the agencies, again showing the highest level of compatibility.

# Method 2: Interoperability Matrix

The Interoperability Matrix provides the quickest way to visualize interoperability between pairs of agencies in the State/Urban Area.



# Method 2: Interoperability Matrix (cont.)

## Planning activity: Parke County Covered Bridge Festival

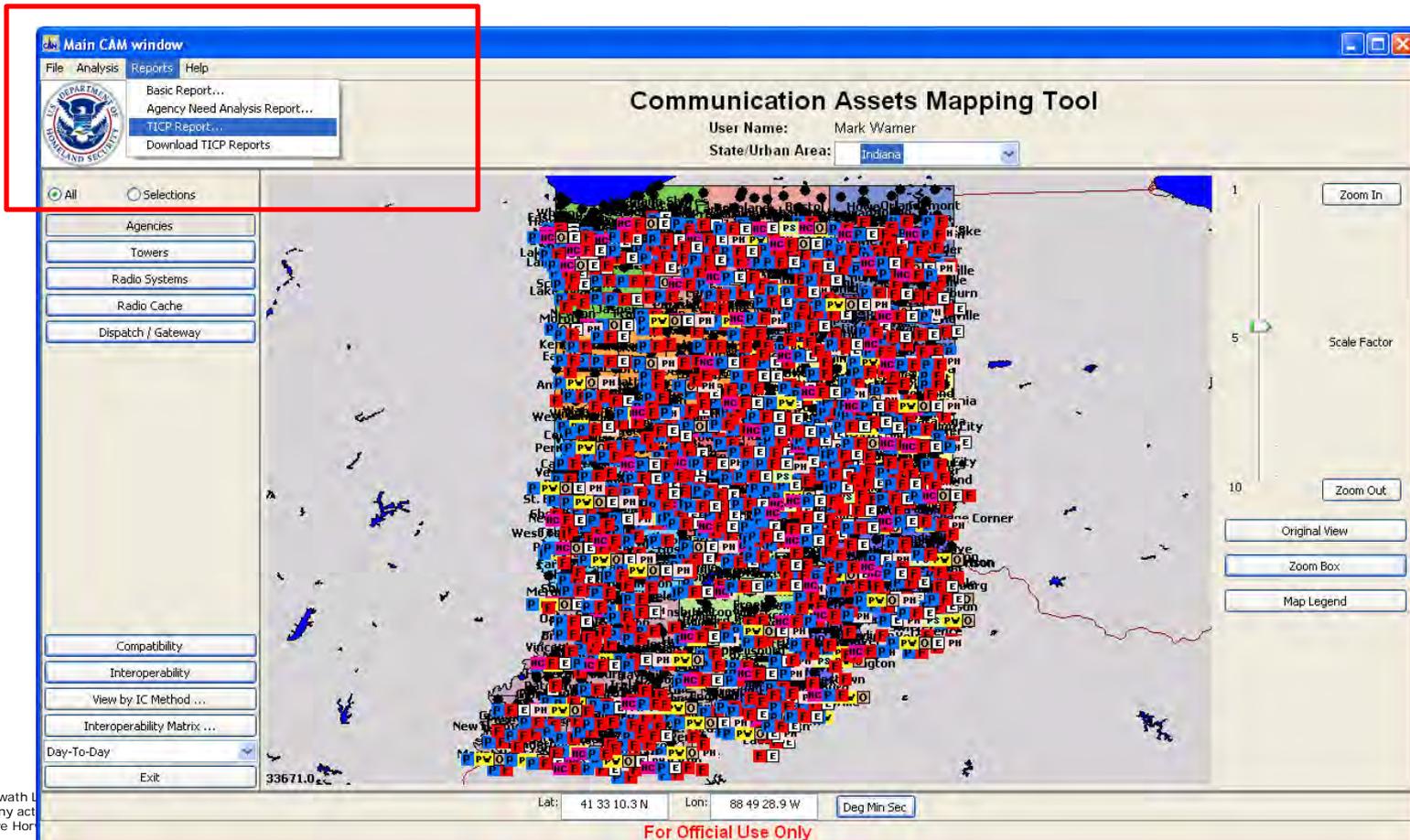
### Agencies Selected

- All County and municipal Law Enforcement and EMS in Parke County
- Sheriff and EMS in:
  - Clay Co
  - Fountain Co
  - Montgomery Co
  - Vermillion Co



# Method 3: TICP Report Generation

CAM will generate a pre-formatted report for Section 3 and Appendices B-E that may be added to the other components of your TICP Report.



The screenshot shows the 'Main CAM window' with a menu bar (File, Analysis, Reports, Help) and a sidebar on the left. The 'Reports' menu is highlighted with a red box, showing options: Basic Report..., Agency Need Analysis Report..., TICP Report..., and Download TICP Reports. The main window displays a map of Indiana with communication assets, a sidebar with filters, and a menu bar.

Communication Assets Mapping Tool

User Name: Mark Warner

State/Urban Area: Indiana

33671.0

Lat: 41 33 10.3 N Lon: 88 49 28.9 W Deg Min Sec

For Official Use Only



# Method 3: TICP Report Generation (cont.)

## *Planning activity: Regional flooding in the Southeast District*



# TICP Report Sample Pages

Page: 1 of 174

## 1 Indiana Information

### 1.1 Participating Jurisdictions/Agencies/Disciplines

Jurisdictions, Agencies and Disciplines Represented in the TICP

Jurisdiction	Agency	Discipline
Clark	Clark Co. E911	Public Safety
	Clark Co. EMA	
	Clark Co. Health Dept	
	Clark Co. Highway De	
	Clark Co. Sheriff's De	
	Yellow Enterprise Syst	
Borden	Borden PD	
	Wood Twp. VFD (Bord	
Charlestown	Charlestown PD	
	Charlestown VFD	
	St. Catherine Regional	
Clarksville	Clarksville FD	
	Clarksville PD	
Henryville	Monroe Twp. VFD (Hen	
Jeffersonville	Jeffersonville PD	
New Washington	New Washington VFD	
Sellersburg	Clark Co. EMS	
	Sellersburg FD	
	Sellersburg PD	
Dearborn	Dearborn Co. EMA	
	Dearborn Co. Health D	
	Dearborn Co. Highway	
	Dearborn Co. Hospital	
	Dearborn Co. Sheriff's	
	Dearborn Co. Water R	
Aurora	Aurora EMS	
	Aurora PD	
	Aurora VFD	
	Hogan Twp. VFD (Aur	

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Jurisdiction	Agency	Discipline
	Switzerland Co. Sheriff's Dept.	Police
East Enterprise	East Enterprise VFD	Fire
	Florence	York Twp. VFD (Florence)
	Patriot	Patriot VFD
	Vevay	Posey Twp. VFD (Patriot)
		Jefferson/Craig Twp. VFD (Vevay)
		Moorefield VFD
		Vevay PD

### For Section 3.1 Shared Systems

Shared System(s)

Radio System Name	Owning Agency	Make / Model	Frequenc	Band
Clark Co Fire	Clark Co. Sheriff's Dept.		VHF	
Clark Co Sheriff	Clark Co. Sheriff's Dept.		VHF	
Decatur Co Fire	Adams Twp. VFD (Greensburg); Clarksburg Community VFD (Greensburg); Clay Twp. VFD (Bumey); Decatur Co. Sheriff's Dept.; Greensburg FD; Letts Community VFD (Greensburg); Marion Twp. VFD (Milhousen); New Point VFD; St. Paul VFD; Westport VFD		VHF	
Floyd Co Fire	Georgetown Twp. VFD (Georgetown); Greenville Twp. VFD (Greenville); Lafayette Twp. VFD (Floyds Knobs)		VHF	Analog

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Westport VFD

## Jefferson Co Fire

### Responsible Agency

This radio system is owned or managed by: Jefferson Co. Sheriff's Dept.

Name: Wallace, John (Sheriff)  
 Title:  
 Phone: 812-265-3347  
 24/7 Phone: 812-265-4320  
 Email: sheriff39@cji.net

### Number of Radios

No. of Mobile Radios on this System:  
 No. of Portable Radios on this System:

### System Type

Radio System Make:  
 Trunked / Conventional / Both: Conventional  
 Radio System Model:  
 Radio System Frequency Band: VHF High-Band (1)  
 P25 Compliance: None  
 Number of Channels:  
 Encryption Protocol:  
 Year Installed:  
 Repeated / Simplex / Both: Repeated  
 Analog / Digital / Both: Analog  
 Wideband / Narrowband / Both: Wideband  
 Voted: No  
 Simulcast: No

### Service Area

Page: 116 of 174

[Add service area information]

### Agencies Sharing System

Canaan VFD; Deputy Twp. VFD (Deputy); Hanover Twp. VFD (Hanover); Jefferson Co. Sheriff's Dept.; Kent VFD; Lancaster Twp. VFD (Dupont); Madison Twp. VFD (Madison); Madison VFD; Milton Twp. VFD (Madison); Ryker's Ridge VFD (Madison)

### Shared Channels

Jefferson Co Fire Shared Channel Information

Channel Name	Analog / Digital	Wide / Narrow	Tx Freq	Tx Tone	Rx Freq	Rx Tone	Primary Use
Dispatch	Analog		159.2850	91.5 / ZZ	159.2850		

Agencies Supported: Canaan VFD; Deputy Twp. VFD (Deputy); Hanover Twp. VFD (Hanover); Kent VFD; Lancaster Twp. VFD (Dupont); Madison Twp. VFD (Madison); Madison VFD; Milton Twp. VFD (Madison); Ryker's Ridge VFD (Madison)

### Jefferson Co Sheriff

### Responsible Agency

This radio system is owned or managed by: Jefferson Co. Sheriff's Dept.

Name: Wallace, John (Sheriff)  
 Title:  
 Phone: 812-265-3347  
 24/7 Phone: 812-265-4320  
 Email: sheriff39@cji.net

### Number of Radios

No. of Mobile Radios on this System:  
 No. of Portable Radios on this System:

### System Type

Radio System Make:  
 Trunked / Conventional / Both: Conventional



## Section 3.1.1 Intra-System Shared Interoperability Channel(s)

<b>IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked</b>	K-MA2-CON	Connersville ISP District Analog Mutual aid, Use as needed	800 MHz
<i>Agencies Supported:</i>	Adams Twp. VFD (Greensburg); Austin PD; Bear Branch VFD (Dillsboro); Campbell Twp. VFD (Butlerville); Center Twp. FD (North Vernon); Clarksburg Community VFD (Greensburg); Clay Twp. VFD (Burney); Decatur Co. EMA; Decatur Co. EMS; Decatur Co. Sheriff's Dept.; East Enterprise VFD; Finley Twp. VFD (Scottsburg); Floyd Co. EMA; Floyd Co. Sheriff's Dept.; Franklin Co. Sheriff's Dept.; Geneva Twp. VFD (Scipio); Georgetown PD; Greensburg FD; Greensburg PD; Greenville PD; Indiana University PD (New Albany); Jefferson/Craig Twp. VFD (Vevay); Jennings Co. EMA; Jennings Co. Rescue 20 EMS; Jennings Co. Sheriff's Dept.; Jennings Twp VFD (Austin); Johnson Twp. VFD (Lexington); Letts Community VFD (Greensburg); Lexington VFD; Lovett Twp. VFD (North Vernon); Marion Twp. VFD (Milhousen); Montgomery Twp. VFD (Scipio); Moorefield VFD; New Albany FD; New Albany FD/EMS; New Albany PD; New Point PD; New Point VFD; North Vernon PD; Ohio Co. EMA; Ohio Co. EMS; Ohio Co. Sheriff's Dept.; Patriot VFD; Posey Twp. VFD (Patriot); Randolph Twp VFD (Rising Sun); Rising Sun PD; Scott Co. EMA; Scott Co. EMS; Scott Co. Sheriff's Dept.; Scottsburg PD; Scottsburg VFD; Spencer Twp. VFD (Hayden); St. Paul PD; St. Paul VFD; Switzerland Co. EMA; Switzerland Co. EMS; Switzerland Co. Sheriff's Dept.; Vernon Twp. VFD (Vernon); Vevay PD; Vienna Twp. VFD (Scottsburg); Westport PD; Westport VFD; York Twp. VFD (Florence)		



# Using CAM to Plan for Changes

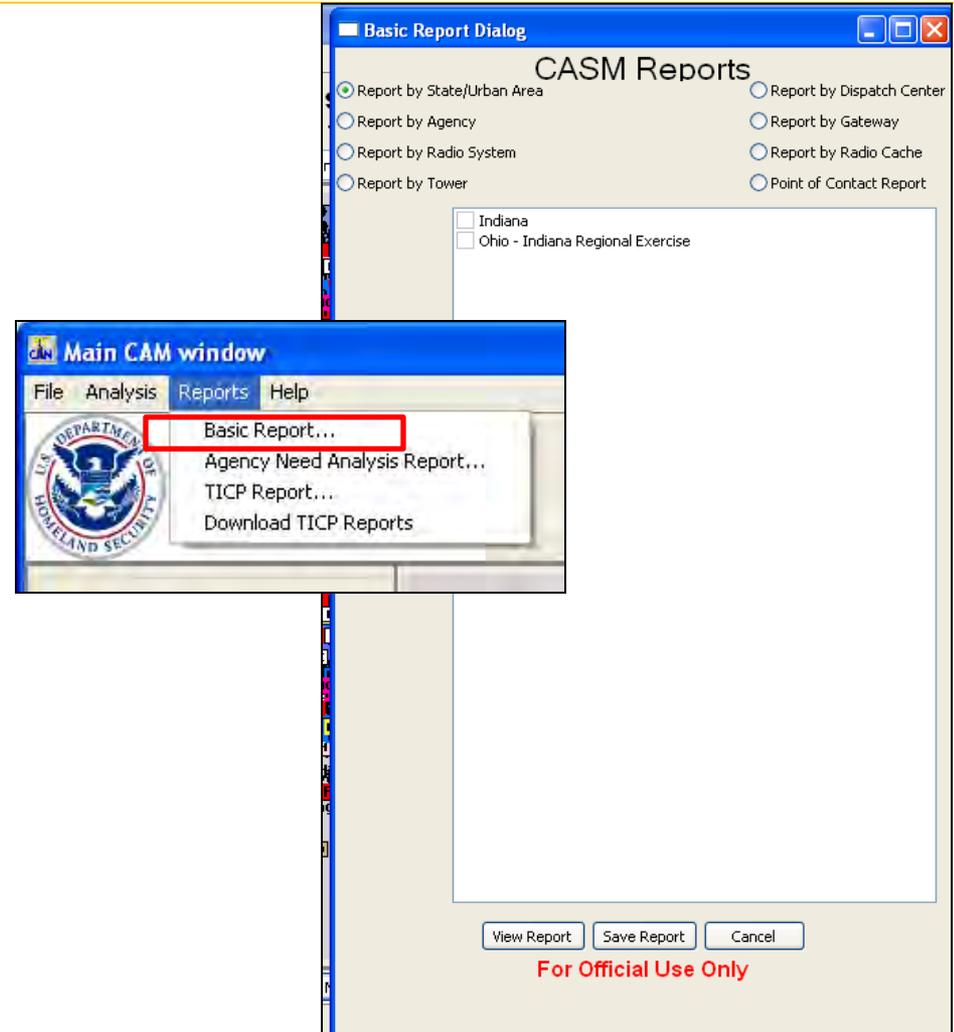
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- What-If Analysis
  - Allows user to run scenarios where a new communication asset is added or a communication asset is eliminated
  - You can see what happens to your agencies' communications interoperability if...
    - A tower is eliminated in a storm
    - Your county purchases a new radio system
    - Your agency adds additional channels or talk groups to your radios

*Learn more with the CASM Tutorial on IPSC's website ([www.in.gov/ispc/2529.htm](http://www.in.gov/ispc/2529.htm)) and CAM Training.*

# How to Review Your CASM Data

- You can create basic reports to display:
  - Agency Data
  - Radio System Data
  - Dispatch Center Data
  - Gateway (e.g., ACU-1000) Data
  - Radio Cache Data
- To begin, Select Basic Report from the Reports tab on the toolbar
- The CASM Reports box will pop up





# Basic Reports: Agency Data

- Select the “Report by Agency” radio button
- Then, select the Agency of Interest and click “View Report”

**CASM Reports**

Report by State/Urban Area

**Report by Agency**

Report by Radio System

Report by Tower

Report by Dispatch Center

Report by Gateway

Report by Radio Cache

Point of Contact Report

Select All

Clear All

Summitville PD

Marion County

Beech Grove

Amtrak PD (Beech Grove)

St. Francis Hospital (Beech Grove)

Clermont

Clermont PD

Cumberland

Cumberland PD

Homecroft

Homecroft PD

Indiana State Fairgrounds

Indianapolis

Butler University PD (Indianapolis)

CSX Railroad Police (Indianapolis)

Central Indiana Regional Blood Center

Community Hospital-East (Indianapolis)

Community Hospital-East/EMS (Indianapolis)

Community Hospital-North (Indianapolis)

Community Hospital-South (Indianapolis)

Decatur Twp. FD (Indianapolis)

Decatur Twp. FD/EMS (Indianapolis)

IUPUI FD (Indianapolis)

IUPUI PD (Indianapolis)

Indiana School for the Deaf PD (Indianapolis)

Indianapolis Airport Authority FD

Indianapolis Airport Authority PD

Indianapolis EMS

Indianapolis FD

Indianapolis Housing PD

Indianapolis Metropolitan PD

Indianapolis Public Schools PD

Marion University PD

View Report

Save Report

Cancel

**For Official Use Only**



# Agency Data

- Report includes:
  - General Agency information
    - Jurisdiction
    - Point of Contact
  - Radio Use
    - Primary/secondary systems
    - Mutual Aid
  - Channel Use
  - Talk group Use
  - Dispatch Center Use
  - Gateway Ownership
  - Radio Cache Ownership
  - Radio Equipment

**CASM Agency Report**  
For Official Use Only

Agency: Indianapolis Metropolitan PD  
 State/Urban Area: Indiana  
 Report Generated: 15-Feb-2011

**AGENCY INFORMATION:**

The following table presents general information about this agency:

Discipline:	Police
Address:	47 S. State St., Indianapolis, IN 46204
Agency Comments:	247: (317) 327-3811

**Capabilities:**

This agency maintains the following emergency capabilities:

HAZMAT:	No
USAR:	No
EOD:	No

**Jurisdiction:**

This agency serves the following jurisdictions:

Indianapolis (Primary Jurisdiction)

**Contact Information:**

The following table presents the points of contact (POC) for this agency:

POC Type:	
Name:	
Job Title:	
Company:	
Address:	
Phone:	
Cell:	
Fax:	
Pager:	
Email:	

**RADIO SYSTEM USE:**

The following tables identify the radio system(s) used by this agency. Radio System Report for more details on a specific radio system or

**Primary System(s):**

Radio System Name:	IPSC - Hoosier S Statewide 800 M
Primary Manufacturer:	Motorola
Model:	
Frequency Band:	800 (806.851 - 824.869 MHz)
Conventional/Trunked:	Trunked
Trunking Kind:	SmartZoneOmni

Number of Channels:		Year Installed:	2001
Service Area:	Statewide		
System Notes:			

**Agency Use:**

Number of mobiles/portables:	
Use Notes:	

Radio System Name:	MECA 800	Owner(s):	MECA (Metropolitan Emergency Communications Agency)
Primary Manufacturer:	Motorola	Simplex/Repetend:	Repetend
Model:		Analog/Digital:	Digital
Frequency Band:	800 (806.851 - 824.869 MHz)	P25:	P25 P2
Conventional/Trunked:	Trunked	Voting:	No
Trunking Kind:	ASTRO-25 (9.6kbps, DMBE) (Motorola)	Simulcast:	Yes
Wide/Narrow Band:	Narrowband	Encryption:	
Number of Channels:		Year Installed:	
Service Area:	Marion and surrounding counties		
System Notes:			

**Agency Use:**

Number of mobiles/portables:	
Use Notes:	

**Secondary System(s):**

There are no secondary radio systems associated with this agency.

**Mutual Aid:**

Mutual Aid Channel/System Name:	851.0125 8CALL80
Service Area:	Nationwide
Use Notes:	

Mutual Aid Channel/System Name:	851.0125 8CALL80D
Service Area:	Nationwide
Use Notes:	

Mutual Aid Channel/System Name:	851.5125 8TAC81
Service Area:	Nationwide
Use Notes:	

Mutual Aid Channel/System Name:	851.5125 8TAC81D
Service Area:	Nationwide
Use Notes:	

Mutual Aid Channel/System Name:	852.0125 8TAC82
Service Area:	Nationwide
Use Notes:	



# Radio System Data

- Report includes:
  - Mutual aid channel/system information
  - Agency use information
  - Channel information
  - Talk group information
  - Tower/site use information

**CASM Mutual Aid Channel/System Report**  
*For Official Use Only*

Mutual Aid Channel/System: 154.0100  
 State/Urban Area: Indiana  
 Report Generated: 15-Feb-2011

**MUTUAL AID CHANNEL/SYSTEM INFORMATION:**  
 The following table presents the mutual aid channel/system characteristics.

Mutual Aid Channel/System Name:	154.0100	Simplex/Repeated:	Simplex
Frequency Band:	VHF High-Band (150-174MHz)	Analog/Digital:	Analog
Conventional/Trunked:	Conventional	P25:	None
Service Area:			
System Notes:			

**AGENCY USE INFORMATION:**  
 The following table identifies the agencies using the mutual aid channel/system.

Agency Name
Abington Twp. VFD (Centerville)
Bargersville Community FD
Bentonville VFD
Boston Community VFD
California Twp. VFD (Bass Lake)
Cambridge City VFD
Carmel FD
Center Twp. VFD (Centerville)
Center Twp. VFD (Knox)
Clay Twp. VFD (Greens Fork)
Crawfordsville FD
Davis Twp. VFD (Hamlet)
Dublin VFD

**Repeater/Base Station Information:**  
 The following table identifies the repeaters/base stations on this tower for this mutual aid channel/system.

RBS Name	Channel Identification	Call Sign	Type	Power (W)	ERP (W)	Ant Ht(m)	RBS Notes
Knox	- 154.01[] - 154.01[]	KNJR759		100	125		

**Tower/Site Name:** 1091 Hospital Road  
**Address:** Franklin, IN 46131  
**Latitude/Longitude:** 39:28.38 N / 86:4:34 W  
**Site Owner:** Johnson County  
**Structure Type:** TOWER - A free standing or guyed structure  
**Base Height(m):** 225  
**Tower Height(m):** 122  
**Tower/Site Notes:** ASR 1227985

**Repeater/Base Station Information:**  
 The following table identifies the repeaters/base stations on this tower for this mutual aid channel/system.

RBS Name	Channel Identification	Call Sign	Type	Power (W)	ERP (W)	Ant Ht(m)	RBS Notes
Franklin	- 154.01[] - 154.01[]	WNMQ317		110	81		

**Tower/Site Name:** 111 E. Walnut Street  
**Address:** Milton, IN  
**Latitude/Longitude:** 39:47:10.2 N / 85:9:13.9 W  
**Site Owner:**  
**Structure Type:**  
**Base Height(m):**  
**Tower Height(m):**  
**Tower/Site Notes:**

**Repeater/Base Station Information:**  
 The following table identifies the repeaters/base stations on this tower for this mutual aid channel/system.

RBS Name	Channel Identification	Call Sign	Type	Power (W)	ERP (W)	Ant Ht(m)	RBS Notes
Milton	- 154.01[] - 154.01[]	KEL458		80	160		



# Dispatch Center Data

- Report includes:
  - Dispatch center information
  - Equipment information
  - Agencies served by dispatch
  - Dispatch to dispatch connectivity

**CASM Dispatch Center Report**  
For Official Use Only

Dispatch Center: Allen Co. E911 Dispatch  
 State/Urban Area: Indiana  
 Report Generated: 15-Feb-2011

**DISPATCH CENTER INFORMATION:**

The following table presents general information about this dispatch center.

Owner/Responsible Organization:	Allen Co. Sheriff's Dept.
Address:	101 E. Main St., Room B20, Basement, Fort Wayne, Indiana 46802-1898
Latitude/Longitude:	41:6:22.5 N / 85:4:18.3 W

**Contact Information:**

The following table presents primary contact information.

POC Type:
Name:
Job Title:
Company:
Address:
Phone:
Cell:
Fax:
Pager:
Email:

**EQUIPMENT:**

The following table presents equipment information.

Make/Model:
Is a PSAP:
No. Simultaneous:

**AGENCIES SERVED BY DISPATCH CENTER:**

The following table identifies the agencies that use this dispatch center and how they use it.

Agency Name	Is Primary Dispatch?	Agency Use Notes
Aboite Twp. VFD (Ft. Wayne)	Yes	
Aboite Twp. VFD/EMS (Ft. Wayne)	Yes	
Adams Twp. VFD (New Haven)	Yes	
Allen Co. EMA	Yes	
Allen Co. Sheriff's Dept.	Yes	
Arcola VFD	Yes	
Hoagland VFD	Yes	
Hoagland VFD/EMS	Yes	
Huntertown VFD	Yes	
Huntertown VFD/EMS	Yes	
Monroeville EMS	Yes	
Monroeville PD	Yes	
Monroeville VFD	Yes	
NE Allen Co. EMS	Yes	
NE Allen Co. Fire	Yes	
New Haven PD	Yes	
New Haven-Adams Twp. VFD/EMS	Yes	
Poe VFD	Yes	
Poe VFD/EMS	Yes	
St. Joseph Twp. VFD (Ft. Wayne)	Yes	
St. Joseph Twp. VFD/EMS	Yes	
SW Allen Co. Fire District (Yoder)	Yes	
SW Allen Co. Fire District/EMS (Yoder)	Yes	
Washington Twp. VFD (Fort Wayne)	Yes	
Washington Twp. VFD/EMS (Fort Wayne)	Yes	
Woodburn PD	Yes	
Woodburn VFD	Yes	
Woodburn VFD/EMS	Yes	

**DISPATCH TO DISPATCH CONNECTIVITY:**

There is no other dispatch center linked with this dispatch center.

For Official Use Only



# Gateway (e.g., ACU-1000) Data

- Report includes:
  - Gateway information
    - Contact information
  - Equipment information
  - Agencies configured on gateway
  - Channel/talk group information

**CASM Gateway Report**  
For Official Use Only

Gateway: Hamilton Co. ACU-1000  
 State/Urban Area: Indiana  
 Report Generated: 15-Feb-2011

**GATEWAY INFORMATION:**

The following table presents general information:

<b>Owner/Responsible Organization:</b>	
<b>Usage:</b>	
<b>Type:</b>	

**Contact Information:**

The following table presents the points of contact for the primary contact:

<b>POC Type:</b>	
<b>Name:</b>	
<b>Job Title:</b>	
<b>Company:</b>	
<b>Address:</b>	
<b>Phone:</b>	
<b>Cell:</b>	
<b>Fax:</b>	
<b>Pager:</b>	
<b>Email:</b>	

**EQUIPMENT INFORMATION:**

The following table presents the gateway characteristics:

<b>Make/Model:</b>	Raytheon JPS Communications / ACU-1000
<b>Number Simultaneous Nets:</b>	
<b>Number of Active Ports:</b>	
<b>Address:</b>	Fire Station 46: 540 W 136th St. Carmel, Indiana 46032 (in Mobile Incident Command Vehicle)
<b>Latitude/Longitude:</b>	40:2:0 N / 86:0:0 W
<b>Mobile Service Area:</b>	Hamilton Co.
<b>Gateway Notes:</b>	24/7: (317) 571-2580 Jointly owned with Carmel/Clay Communications

**AGENCIES CONFIGURED ON THIS GATEWAY:**

The following table identifies the agencies that are directly associated with this gateway:

Agency Name	Agency Use Notes
Abington Twp. VFD (Centerville)	
Adams Co. EMA	
Adams Co. EMS	
Adams Co. Sheriff's Dept.	
Adams Twp. Emergency Ambulance Service (Markleville)	
Adams Twp. VFD (Greensburg)	
Adams Twp. VFD (Markleville)	
Advance PD	
Advance VFD	
Advance VFD/EMS	
Akron FD	
Albany EMS	
Albany PD	
Albion VFD	
Alcoa FD (Newburgh)	
Alexandria FD	
Alexandria FD/EMS	
Alexandria PD	
Allen Co. EMA	
Allen Twp. VFD (Macy)	
Amboy VFD	
American Medical Response (Evanville)	



# Radio Cache Data

- Report includes:
  - Cache information
    - Radio Equipment information
    - Contact information
    - Deployer information
  - Channel Configuration
  - Talk Group Configuration

**CASM Radio Cache Report**  
For Official Use Only

Radio Cache: Vanderburgh Co. EMA 800MHz Radio Cache  
 State/Urban Area: Indiana  
 Report Generated: 15-Feb-2011

**CACHE INFORMATION:**

The following table presents general information about this radio cache.

Owner/Responsible Organization:	Vanderburgh Co. EMA
Cache Storage Address:	708 Stanley Ave., Evansville, IN 47711
Latitude/Longitude:	38:0:3.5 N / 87:34:52 W
Frequency Band:	Dual Band 700 MHz and 800 MHz
Total Quantity of Radio Equipment:	
Service Area:	
Cache Notes:	

**Radio Equipment Information:**

The following table identifies the radio equipment used in this radio cache.

Radio Mfg.	Radio Model
Motorola	XTS 500

**Contact Information:**

The following table presents primary contact.

POC Type:  
 Name:  
 Job Title:  
 Company:  
 Address:  
 Phone:  
 Cell:

**Deployer Information:**

The following table identifies the agencies that may deploy this radio cache.

Agency Name
Vanderburgh Co. EMA

**CHANNEL CONFIGURATION:**

The following table identifies the radio cache channel configuration. The format for the channel identification is as follows: Channel Name - Tx frequency[Tx tone] - Rx frequency[Rx tone]. Tone indication may be conventional (CTCSS), digital (DCSS) or P25 (NAC).

Radio System Name	Channel Identification
851.0125 8CALL90	8CALL90 - 851.0125[156.7 / 5A] - 806.0125[156.7 / 5A]
851.5125 8TAC91	8TAC91 - 851.5125[156.7 / 5A] - 806.5125[156.7 / 5A]
852.0125 8TAC92	8TAC92 - 852.0125[156.7 / 5A] - 807.0125[156.7 / 5A]
852.5125 8TAC93	8TAC93 - 852.5125[156.7 / 5A] - 807.5125[156.7 / 5A]
853.0125 8TAC94	8TAC94 - 853.0125[156.7 / 5A] - 808.0125[156.7 / 5A]

**TALK GROUP CONFIGURATION:**

The following table identifies the radio cache talk group configuration. The format for the talk group identification is as follows: Talk Group Name - Talk Group ID.

Radio System Name	Talk Group Identification
IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked	82-CWFD-OPS - 801392
IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked	82-CWLE-OPS - 801388
IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked	82-CWPW-OPS - 801396
IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked	82-EBPW-OPS - 801394
IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked	82-EFD-OPS - 801389
IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked	82-EMA-OPS - 801411
IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked	82-EPD-OPS - 801386
IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked	82-VCCW-1 - 801398
IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked	82-VCCW-2 - 801399
IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked	82-VCHS-OPS - 801397
IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked	82-VCHW-OPS - 801395
IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked	82-VCSO-OPS - 801387
IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked	82-VEMS-OPS - 801393
IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked	82-VFD-OPS1 - 801390
IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked	82-VFD-OPS2 - 801391
IPSC - Hoosier SAFE-T - Statewide 800 MHz Trunked	IDHS-EOC - 800079



# Reviewing and Updating CASM Data

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- **Please keep data current** – CASM is only useful if information is accurate
  - Don't forget to clean it up, too – remove information that is no longer accurate
- Review periodically and send updates as needed to IPSC
  - Look at information at least once a year and with major changes (i.e., PSAP consolidation, local election, etc.)
  - Basic process for updates:
    - Make changes to existing agencies, or assets (radio systems, gateways, dispatch centers, etc.) in a CAM report
    - Add a new agency or asset to a blank report
    - Fax to Steve Skinner (IPSC) at (317) 234-6514
  - Forms and instructions for CASM updates can be found at [www.in.gov/ipsc/2529.htm](http://www.in.gov/ipsc/2529.htm)



# Reviewing and Updating CASM Data (cont.)

- New Agency or Communication Equipment:  
Fill out blank CAM report (online at [www.in.gov/ipsc/2529.htm](http://www.in.gov/ipsc/2529.htm))

**New Dispatch Center CASM Update Form**  
*To submit this form, please email to IPSC at [sskinner@ipsc.in.gov](mailto:sskinner@ipsc.in.gov) or fax to (317) 233-1082.*

Dispatch Center Name:	
County Name:	
Date of Change:	

**DISPATCH CENTER INFORMATION:**  
The following table presents general information about this dispatch center.

Owner/Responsible Organization:	
Physical Address:	
Latitude/Longitude:	

**Contact Information:**  
The following table presents general information about this dispatch center.

POC Type (Primary or Secondary):	
Name:	
Job Title:	
Company:	
Physical Address:	
Phone Number:	
Cell:	
Fax:	
Pager:	
Email:	

**EQUIPMENT INFORMATION:**  
The following table presents the dispatch center characteristics.

Make/Model:	
Is a PSAP (Yes or No, PSAP ID#):	
No. Simultaneous Console Patches:	
Agency 24/7 Phone number for Dispatch Center and any related Dispatch Center Notes:	

(Continued on next page)

1

*Reports available in  
fillable PDF or MS Word  
to email to  
[sskinner@ipsc.in.gov](mailto:sskinner@ipsc.in.gov),  
or complete by hand and  
FAX to IPSC at  
(317) 234-6514*



# Reviewing and Updating CASM Data (cont.)

- Updated Agency or Communication Equipment Information: Print and mark-up a CAM report or change in Microsoft Word (instructions at [www.in.gov/ipsc/2529.htm](http://www.in.gov/ipsc/2529.htm))

CASM Dispatch Center Report Page 1 of 2

**CASM Dispatch Center Report**  
*For Official Use Only*

Dispatch Center: Madison Co. E911 Communications  
State/Urban Area: Indiana  
Report Generated: 17-Feb-2011

**DISPATCH CENTER INFORMATION:**

The following table presents general information about this dispatch center.

Owner/Responsible Organization:	Madison Co. Sheriff's Dept.
Address:	720 Central Ave., Anderson, IN 46016
Latitude/Longitude:	40:10:21.1 N / 85:43:10.5 W

**Contact Information:**

The following table presents the points of contact (POC) for this dispatch center, including the type of POC and if they are a primary contact.

POC Type:	Dispatch POC(Primary)
Name:	Mehling, Tom (Dispatch)
Job Title:	
Company:	Madison Co. Sheriff's Dept.
Address:	720 Central Ave., Anderson, IN 46016-1548
Phone:	765-642-0221
Cell:	
Fax:	
Pager:	
Email:	tmehling@madisoncocty.com

**EQUIPMENT INFORMATION:**

The following table presents the dispatch center characteristics.

Make/Model:	Zetron Series 4000
Is a PSAP:	Yes
No. Simultaneous Console Patches:	0
	24/7: (765) 642-0221 Can provide backup for Alexandria, Anderson, &

file:///R:/Active888880628005 IN Dept Homeland Security -Interoperable Emergency Co... 2/17/2011

*Reports available to change in MS Word to email to [sskinner@ipsc.in.gov](mailto:sskinner@ipsc.in.gov), or mark-up by hand and FAX to IPSC at (317) 234-6514*



## For More Information

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Sally Fay: [sfay@ipsc.in.gov](mailto:sfay@ipsc.in.gov), (317) 234-2572

Steve Skinner: [sskinner@ipsc.in.gov](mailto:sskinner@ipsc.in.gov), (317) 233-8625

Ken Woodall: [kwoodall@dhs.in.gov](mailto:kwoodall@dhs.in.gov), (317) 232-4680

Mark Warner (thru 3/31): [mark.warner@crowehorwath.com](mailto:mark.warner@crowehorwath.com)

*SPAWAR project managers offer online CASM Training monthly –  
Schedule and connection instructions are listed in the Community  
Forum and emailed to anyone with CASM User ID's.*

*Look for CAM Training to learn more about the mapping tool.*

