



# Wisconsin MACH Insider

(Public Safety Agency Update)

July 8<sup>th</sup>, 2015

A PUBLIC SAFETY TOOL SPONSORED BY THE WISCONSIN STATE PATROL AND WISCONSIN DNR

## Wisconsin National Guard and Wisconsin Emergency Management Join MACH

By Sgt. David Harvey

MACH has now been installed for the Wisconsin National Guard – Joint Operations Center (JOC) and for Wisconsin Emergency Management at the State Emergency Operations Center (SEOC) in Madison.



Captain Christopher Robbins demonstrates the existing mapping capabilities of the Wisconsin National Guard - Joint Operations Center (JOC) while MACH is installed for the JOC and Wisconsin Emergency Management.

During previous events the mapping capabilities and information sharing abilities in MACH have proven to be useful in the coordination of emergency responses involving the DOT, Wisconsin State Patrol, SEOC and the JOC.



With MACH now installed at the SEOC and JOC locations, more seamless coordination can occur during large scale events involving these and other MACH user agencies.

## New Developments

### MACH Layers

MACH improvements continue on many fronts. The following are a number of changes that have been made to the layers.

- **Renaming** – The layers available to users in MACH have been renamed. Each layer has now been given a number prefix to allow for easier reference.



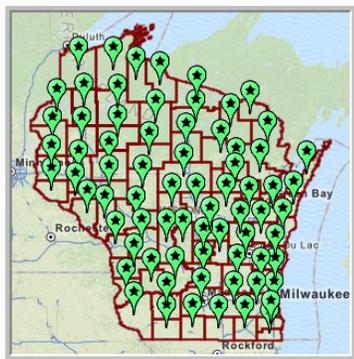
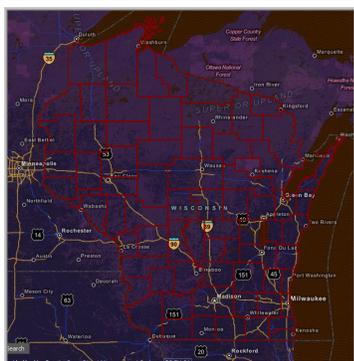
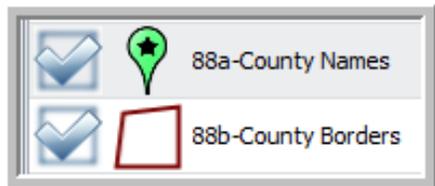
➔ **97-Alcohol Related Crash Locations (2013) Layer**

This layer has been updated to show 2013 data. As usual, users will need to upload the new map layer to pull in the update.



➔ **88b-County Borders Layer**

This layer has been updated for better visibility during Night View. A **88a-County Names** layer has also been added to display the name of each county.



**Map Markers**

The following are a number of MACH markers that have been added or improved.

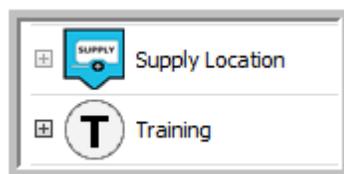
➔ **86-Animal Carcass (reported)**

Displays the location of carcasses that have been reported to the authority in charge of pickup. Details about the specific location should be recorded in the details.



➔ **Training**

Under the **o8-Incident/Event Management** layer. Displays the location of training sites to guide users who may not be familiar with the location.



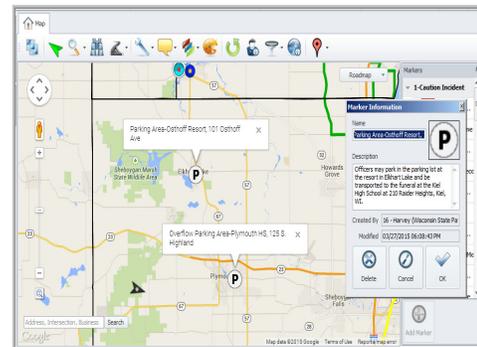
➔ **Alternate Route**

Under the **o8-Incident/Event Management** layer. Available to be placed along designated alternate routes during emergencies. Details regarding the route may be added to the marker description.



➔ **Parking Area**

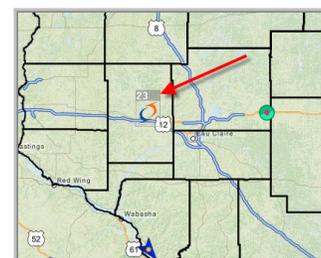
Under the **o8-Incident/Event Management** layer. Available to identify designated parking areas during events or incidents.



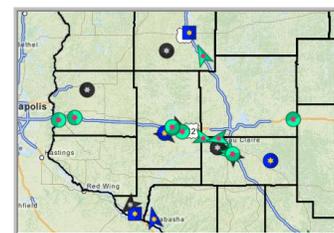
**Tips and Tricks**

➔ **Marker Clusters**—You may at times see markers with a number in the upper left. This indicates that type of marker is set to being clustered on your map.

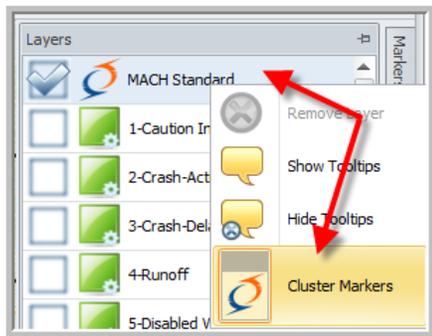
**Clustered View**



**Un-clustered View**



To change this behavior, go to the list of layers and right click. Scroll down to "Cluster Markers" to toggle this function on or off.



### MACH Exercise Guidelines

During recent training sessions involving Wisconsin State Patrol supervisors, MACH was used in exercises that included train derailments and tornado touchdowns. Through hands-on participation, users learned how the features in MACH could be utilized to better manage these and other types of events.

Due to the many benefits these practice events yield, user agencies are encouraged to conduct exercises of their own using MACH with the following as prerequisites:

Notify [MACH@dot.wi.gov](mailto:MACH@dot.wi.gov) regarding the **date, time, type** and **duration** of the exercise along with **contact information** in case a real event requires that the exercise be terminated.

Clearly label all communications, markers etc. with **"Exercise Only."**

### Data Usage

Some user agencies have reported concerns about the amount of data used by MACH. While the mapping, tracking, MACH Bot queries and messaging all use data, testing has shown that there are steps that can be taken to minimize the amount of data used.

#### For agencies wishing to minimize data use:

- Use the roadmap (not satellite or hybrid) map whenever possible
- Keep the map zoomed to a general area rather than always following a specific moving vehicle

### Online GPS Billing

The billing for the \$12/year per GPS enabled device is beginning for user agencies. Please route any questions or concerns, along with your agency name and full billing address to [mach@dot.wi.gov](mailto:mach@dot.wi.gov) if you have not already done so.

### MDB & PSN Removal

If your agency is no longer using WI State Patrol Mobile Data Browser (MDB) please contact CIB and provide your PSNs so they can be deactivated. The email can be sent to [cibtrain@doj.state.wi.us](mailto:cibtrain@doj.state.wi.us).

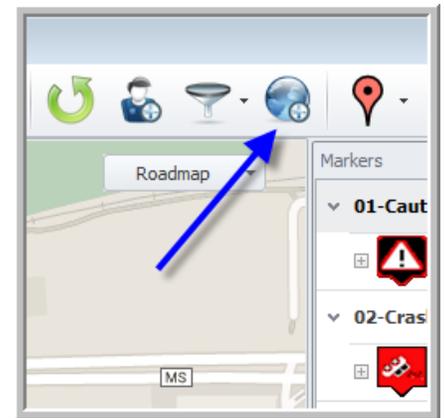
### Generic Logon

Multiple MACH agencies have asked about obtaining generic MACH logins for use on dedicated monitors to display MACH.

MACH has been designed with two factor authentication as part of meeting the CJIS security requirements. Part of this security involves having users identified and

certified by their own agency with their own passwords and answers to their own personal challenge questions. Generic users would not offer the same security, nor would they provide for an easy audit trail if proper use were ever brought into question.

As an alternative, MACH users that are dispatchers are able to spawn a 2<sup>nd</sup> map that can be shown on a connected dedicated display even while they are at the same time using another map on a different monitor.



We have asked about making dual map ability available to other user types as well.

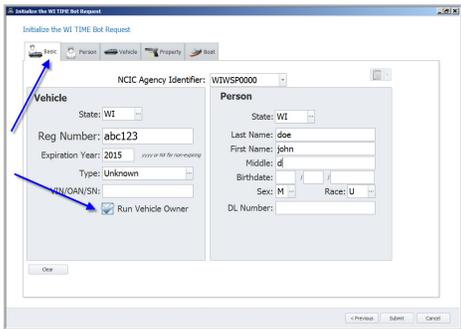
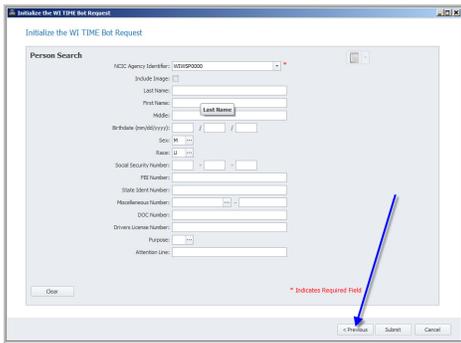
As a side note, the Wisconsin State Patrol underwent a security review not long ago and the issue of generic logons on some of our older systems was cited as an area in need of improvement.

### Version 4.17.3 Released

Aside from minor bug fixes and improvements, the release of Version 4.17.3 of MACH included significant improvements to the MACH Bot.

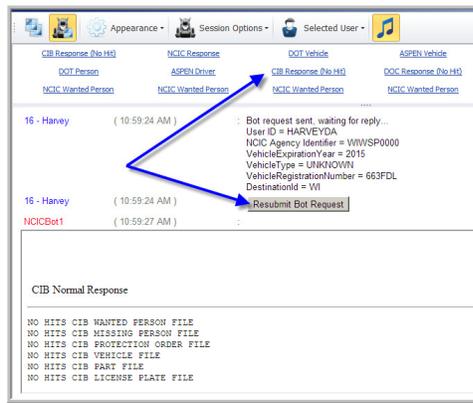
The MACH Bot, used to query the TIME system, now includes a **BASIC** search tab which can be

found by opening the MACH Bot and clicking on the "Previous" button.



This more simplified search screen has larger fonts and fields for easier roadside viewing and entry. It also allows the user to enter a person and vehicle to be queried from the same screen. Users may also opt to have the registered owners of queried vehicles run at the same time.

The format of vehicle and person returns window has also changed. Users will notice that the returns now include shortcuts to the different specific return types along the top of the return as well as a **Resubmit Bot Request** button if a change to the original query information needs to be made.



The newest version of the MACH Bot also includes the ability for an expanded number of state returns to import from MACH into the forms in TraCS.

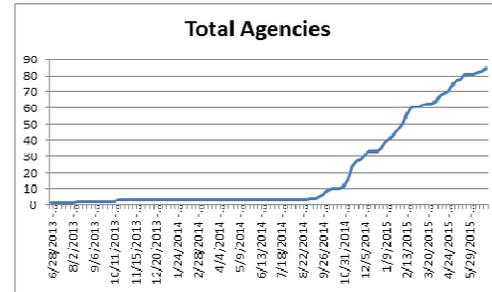
STATE	Vehicle	Person
MN	yes	yes
IA	yes	yes
IL	yes	yes
IN	yes	yes
MI	yes	yes
NY	yes	yes
PA	yes	yes
FL	yes	yes
CA	yes	yes
OH	Yes	Yes
TX	yes	yes
MO	yes	yes
ME	no	yes
OR	no	yes
NC	no	yes
GA	no	yes

Previously, only returns that were in a specific format would import. This list of states did not include many of those most often queried by officers. The expanded list of state returns that can now import into TraCS now covers over 90 percent of our customers.

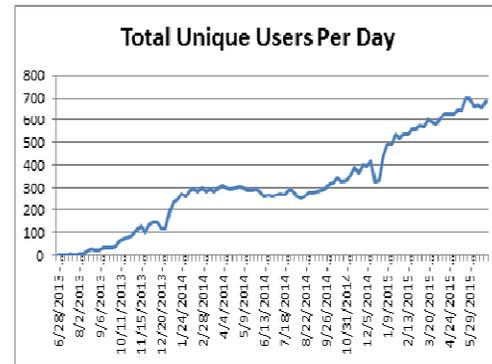
### MACH Statistics

The number of agencies using MACH and the average number of daily number of users has continued to grow. See the charts below for the most current totals.

**Total Agencies as of 7/3/15: 85**



**Total Unique Users as of 7/3/15: 2351**



### MACH in Action

If you have specific examples or information about your use of MACH that might benefit other user agencies, we would like to hear about it. Please share at

[MACH@dot.wi.gov](mailto:MACH@dot.wi.gov)

MACH Agency Name	Agency Type
ADAMS COUNTY SO	County-Sheriff
ADAMS PD	City-Police
ALGOMA PD	City-Police
ARENA PD	Village-Police
BARABOO PD	City-Police
BERLIN PD	City-Police
BIRCHWOOD PD	Village-Police
BLUE MOUNDS PD	Village-Police
BUFFALO COUNTY SO	County-Sheriff
BURNETT COUNTY SO	County-Sheriff
CAMERON PD	Village-Police
CASHTON PD	Village-Police
CLARK COUNTY SO	County-Sheriff
CLEAR LAKE PD	Village-Police
COON VALLEY PD	Village-Police
CRANDON PD	City-Police
CRAWFORD COUNTY SO	County-Sheriff
DEPARTMENT OF NATURAL RESOURCES	Statewide-Law Enforcement
DUNN COUNTY SO	County-Sheriff
DURAND PD	City-Police
EAST TROY VILLAGE PD	Village-Police
ENDEAVOR PD	Village-Police
GREEN LAKE COUNTY SO	County-Sheriff
HIGHLAND PD	Village-Police
HILLSBORO PD	City-Police
JEFFERSON COUNTY SO	County-Sheriff
JUNEAU COUNTY SO	County-Sheriff
KENDALL MARSHALS OFFICE	Village-Marshal's Office
KEWAUNEE COUNTY SO	County-Sheriff
KIEL PD	City-Police
KRONENWETTER PD	Village-Police
LA CROSSE COUNTY SO	County-Sheriff
LA CROSSE PD	City-Police
LA FARGE PD	Village-Police
LAKE DELTON PD	Village-Police
LAKE MILLS PD	City-Police
MANAWA PD	City-Police
MARION PD	City-Police
MARQUETTE COUNTY SO	County-Sheriff
MENOMONIE PD	City-Police
MERRILLAN - ALMA CENTER PD	Village-Police
MISHICOT PD	Village-Police

MONROE COUNTY SO	County-Sheriff
NORWALK PD	Village-Police
OMRO PD	City-Police
ONALASKA PD	City-Police
OSSEO PD	City-Police
OWEN PD	City-Police
PALMYRA PD	City-Police
PEPIN COUNTY SO	County-Sheriff
PEPIN PD	Village-Police
PLATTEVILLE PD	City-Police
PRAIRIE DU CHIEN PD	City-Police
PULASKI PD	Village-Police
ROCK RIVER SAFETY PATROL	Marine Patrol
SAUK COUNTY SO	County-Sheriff
SAUK PRAIRIE PD	Village-Police
SHAWANO COUNTY SO	County-Sheriff
SPARTA PD	City-Police
SPOONER PD	City-Police
ST CROIX TRIBAL PD	Tribal-Police
STATE CAPITOL PD	Statewide-Law Enforcement
STATE TRAFFIC OPERATIONS CENTER	Department of Transportation - Non-Law Enforcement
STURGEON BAY PD	City-Police
THORP PD	City-Police
TOMAH PD	City-Police
TOWN OF FREEDOM PD	Town-Police
TOWN OF ROME PD	Town-Police
TREMPEALEAU COUNTY SO	County-Sheriff
UW POLICE - PLATTEVILLE	UW System-Police
UW POLICE - STOUT	UW System-Police
VERNON COUNTY SO	County-Sheriff
VIROQUA PD	City-Police
WASHBURN COUNTY SO	County-Sheriff
WASHINGTON ISLAND PD	Town-Police
WAUPACA COUNTY SO	County-Sheriff
WAUPACA PD	City-Police
WEST SALEM PD	Village-Police
WESTBY PD	City-Police
WISCONSIN EMERGENCY MANAGEMENT	Emergency Management - Non-Law Enforcement
WISCONSIN NATIONAL GUARD - JOINT OPERATIONS CENTER (JOC)	Statewide-Law Enforcement
WISCONSIN STATE PATROL	Statewide-Law Enforcement
WOOD COUNTY SO	County-Sheriff