



Warren County · Ohio

TELECOMatters

our monthly newsletter of things that matter. all things Telecom.

for Public Safety Agencies

September 2017



READ THIS if you use a Warren County radio

Is Your Radio ID Correct?

Is your radio a hand-me-down? Does your display say another person's unit #? Make sure your ID is correctly assigned to you. The main culprits for wrong IDs are switching vehicles, switching portables, or mobile-swapping.

Why? We want emergency activations and key-ups to be linked to YOU, so that Dispatch knows who they're helping or talking to.

School Radio Testing!

From August 1—September 7, all facilities with the MARCS-in-School radio were required to test their emergency button. It's imperative that each school's alias is attached to the correct radio ID so that when they press that "big orange button" the Dispatch center is 100% confident they are sending a response to the correct school building. Since the program's inception in 2014, Telecom has worked closely with Mobilecomm to program, maintain, install, and service the fleet of 51 public school and 7 private school radios in Warren County.

How? You DO NOT need to visit Telecom. Simply call the radio team (695-3251) and do a key-up while on the phone with them. They will see your activity on GenWatch and know which radio ID corresponds with you. This will likely create a domino effect in your department revealing other mislabeled ID's.



OIBRS | Use of Force will be Reported to the State

It is in all three sections of the OIBRS manual. Here is what the administrative section of OIBRS is asking for:

1. **Data Element #70** Number of officers from outside of your agency who applied force. This number can be from 0-99, Pending or Unknown.
2. **Data Element #71** Did the Officer(s) approach the subject(s)? Yes, No, Pending further investigation, or Unknown and is unlikely to ever be known.
3. **Data Element #72** Was this an Ambush Incident? Yes, No, Pending further investigation, or Unknown and is unlikely to ever be known.

These all are very basic items - just be ready for them!



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695-HELP

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Agency Setup Work Sessions

Paul Bernard & Joshua Moyer are meeting with each Chief/liaison with some pre-meeting homework on both sides. **During the work sessions we cover** Response Zone/Beat Changes // Personnel Setup // Call Sign/Vehicle Setup // Response Plans // Inform Browser // Global Settings

Aug7: WCSO	Aug29: Maineville PD	Sep14: Union Twp Fire
Aug8: Hamilton Twp Fire	Aug31: Clearcreek FD	Sep18: Mason FD
Aug15: Waynesville PD	Sep5: Deerfield FD	Sep19: Hamilton Twp PD
Aug17: Springboro PD	Sep11: Morrow PD	Sep25: Carlisle Fire
Aug21: Carlisle PD	Sep12: Mason PD	Oct10: Clearcreek PD
Aug22: Clearcreek PD	Sep13: Harveysburg PD	



What is Inform Browser?

It's a tool for Chiefs who want to monitor their units from the office. It's web-based and a 'consumer view' of what is happening in the mobile environment. More to come on it in future issues and on the website!

Output Designer Class happened

with WCSO (Farmer, Marconi, Payne), Springboro (Embleton), and Telecom (R. Bernard, Newton, Haney) leading the charge in designing the forms that RMS will push out, taking into account state and national reporting guidelines and requirements.



When in your vehicle, **you'll have the same map view as Dispatch.** And for units equipped with AVL/GPS, you'll see them as vehicle icons on your map with their location updating every several seconds. Check out the next page for more sneak peeks into TriTech Mobile Mapping!

#Project TriTech

Mobile Mapping

Login/Logout Queries Messages Drafts Units Calls Status Tools Options Help

Sector: Telecommuni Unit: 4T12 Call: <unassigned> Status: Available

ENROUTE ARRIVE CLOSE CALL CURRENT CALL STATUS OFFICER INIT QUERY RETURN MESSAGE Inform RMS

AVAILABLE VIEW CALLS VIEW UNITS TCIC CAD QUERY ACTIONS TOOLS EMER

Roads / Bike trails, railroads, and service roads (Driveways and parking lot lines are dashed while all others are solid) One-way roads have black arrowheads showing direction of travel.

The closer you zoom, the more street types that become visible.

- Interstates, US Routes, and State Routes = always visible.
- County roads become visible ~ 15mile zoom.
- Township roads, city streets, ramps, bike trails, and railroads ~ 4 mile zoom.
- One-way arrows and all other street types ~ 1 mile zoom.

Political boundaries (wide & dashed) / Lakes

Counties, Subdivisions, electric, area codes, telephone companies, and zip codes, are colored polygons

Hydrants (visible at ~1/4 mile zoom)

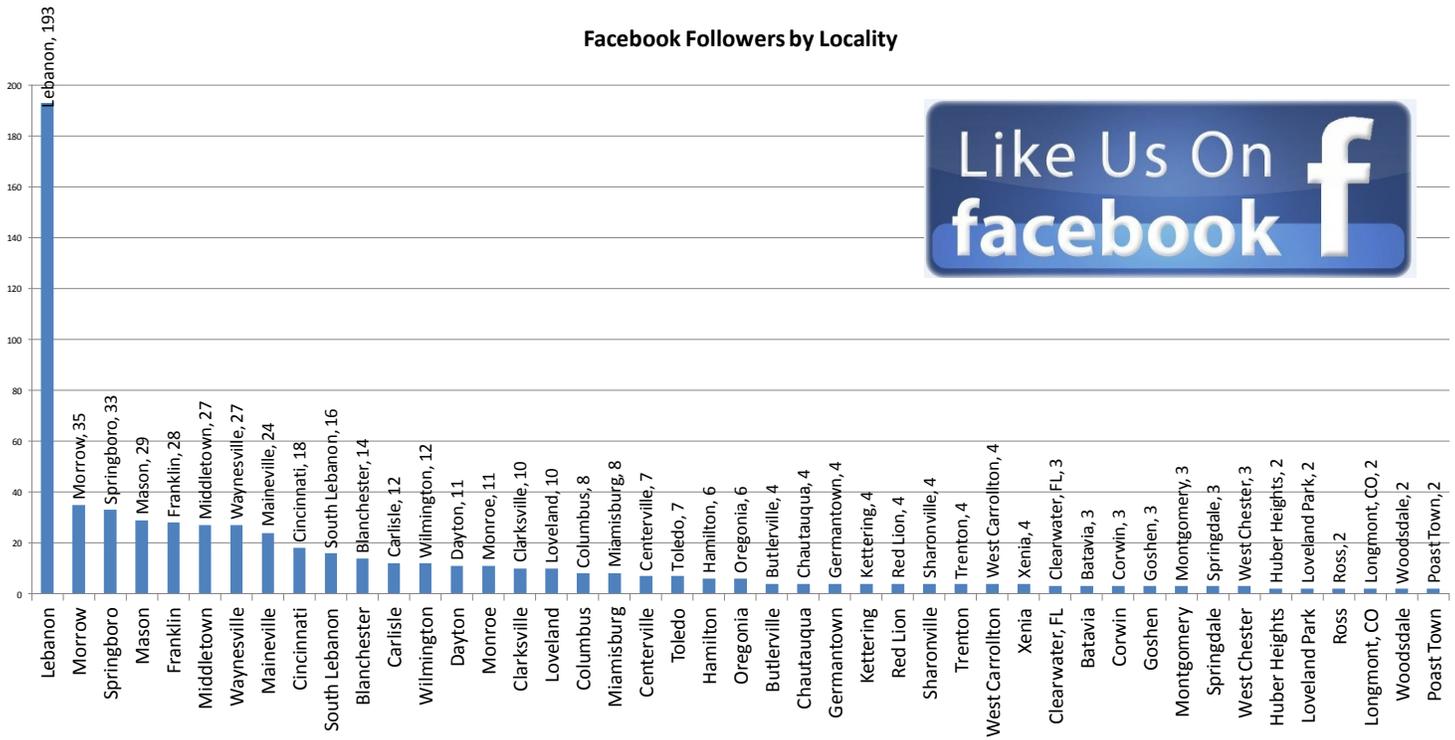
Address points - valid, warning, common business entrance, common driveway, awaiting actual address number

Fire station icon / police stations icon / Building footprints with brown decks

Parcel lines

The button options and layout are not final and can be customized by discipline or department. But the functionality is well illustrated here with zooms, color-coded layers and boundary lines. The map will even move with your vehicle or auto-zoom as you get closer to your incident.

Facebook Followers by Locality



Telecom Assists Lebanon Communications

On August 1st, a potentially large incident occurred at the Warren County Jail with a request for all available units. Lebanon Communications put out a broadcast that they couldn't monitor the LAW channel (the encrypted law-only tactical channel being used on the incident). Telecom's Paul Bernard quickly left home and drove to Lebanon Dispatch where he loaned his personal portable radio so they could monitor their units. Units were released in 39 minutes due to the swift response and action of the attending law enforcement agencies. Great job all!

Panasonic Offering No-Cost Grant Service

to all agencies in Warren County... advice on grant applications to full service grant writing. Contact **Nathan Webster** 513-633-2804 Nathan.Webster@US.Panasonic.com

Have a Public Records Request?

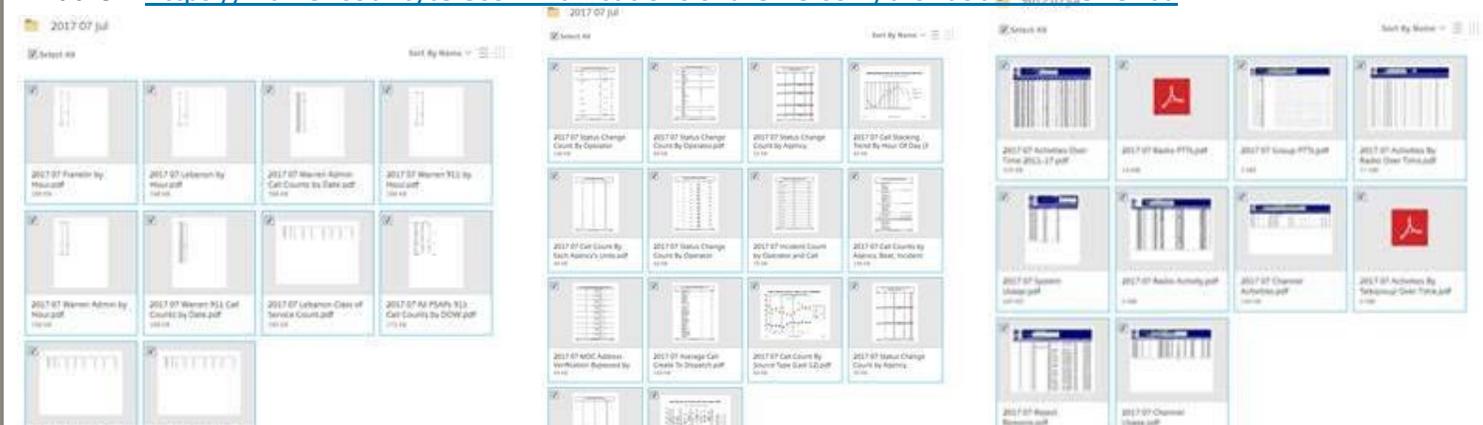
Emergency Services' Nancy Machulskiy now handles those instead of Telecom's Don Sebastianelli. You can contact her at Nancy.Machulskiy@wcoh.net

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911-Phone: <https://warrencountytelecommunications.sharefile.com/d-s34c202ff1744ee0a>

CAD: <https://warrencountytelecommunications.sharefile.com/d-s861a92a251e4513b>

Radio: <https://warrencountytelecommunications.sharefile.com/d-s1b6befa47294e1ba>



Flint Receives CompTIA Security+ Certification

This is part of the updated CompTIA Series that requires renewal and 50 Continuing Education Units (CEU's)

What is Security Plus? The security of computer systems, mobile devices, and other technologies is an ever-growing concern throughout the world. Modern society depends on computer systems and networks to run everything from vital resources to simple communication; just look up the Internet of Things (IoT).

The interconnectedness of systems and reliance on technology results in a demand for greater security measures to protect people's personally identifiable information (PII) and keep everyday life at a functional state. These reasons led to the creation of the CompTIA Security+ certification and its acceptance across government and private industry as a standard for entry level security knowledge.

More Detail at - <https://certification.comptia.org/certifications/security>



Farewell Brian! September 8th will be our last day with Data Systems Technician, Brian Haney. To be closer to family, he has taken a position with a medical software company further south. Our Community Manager sat down with him to capture his thoughts before parting ways later this month:



**Congrats
Major
Scott Carlton**
on your retirement
after 36 years!

(photo credit: <https://www.facebook.com/HamiltonTwpPD/>)



Q: What is Telecom doing well?

A: Working to implement new systems and infrastructure while staying on mission to maintain existing systems is a monumental task. Telecom has been doing a great job in keeping up with the demand.

Q: What three things did you MOST enjoy about working here?

A: The DST Team: we worked really well together and when the work load exceeded our bandwidth we could always count on each other for support. Leadership: The leadership team understood family first and had a fair approach to workload balance within my department. I feel the vision they had in regards to DST and Telecom as a whole was strong and our roles moving forward well thought out. Telecom's Mission, which I felt was to maintain, grow, and strengthen the WCPSN while servicing the agencies under that umbrella.

Q: How would you describe the Telecom culture?

A: Multi-faceted, professional, capable of maintaining and expanding current infrastructure. We cover what a large organization would do with just our 23 people. We take on as many roles as needed to accomplish our goals.

Q: What advice do you have for the next person in your position?

A: Be patient. Learn how to swim with the school first.

Some of Haney's accomplishments and highlights with Telecom included A+ Certification, compliments regarding his communications with agencies, and kudos from Mason Deputy Chief Aaron Bosko and Deerfield Twp Battalion Chief Doug Wehmeyer.



FirstNet

Nationwide Public Safety Broadband Network

What Is It And What Do You Need To Know About It?

FirstNet is a wireless cellular data network for public safety. A government deployment of a nation-wide LTE network **designed to give first responders and public safety personnel priority access to cellular resources during times of emergency** when the cellular network would otherwise be overloaded.

- AT&T has won the bid to build out this network and haul the network traffic.
- AT&T is currently contacting agencies in Ohio about FirstNet even though Ohio has not yet opted in.
- 15 states have opted-in at this point.
- FirstNet will not be available in a state until the state opts in.
- Remaining states are in review and planning stages.
- Even if your state ops-in, you are not required to join FirstNet. You are still free to keep your current provider for your agency.
- AT&T has started prioritizing public safety on its legacy network now. In about a year they will start providing access on 'Band 14', a set of public safety only frequencies at 700MHz.
- Recently Verizon has thrown its hat into the ring with talks of similar non-state sponsored coverage.

AVL: Automatic Vehicle Location (GPS)

Unlike the current Motorola Premier CAD System, the new TriTech Inform CAD is built around the use of the CAD Map. The CAD map not only looks at the address points entered but also police and fire's locations it gets from AVL (**Automatic Vehicle Location or GPS**). Inform CAD uses live AVL data sent from unit's MDCs on the road to the map when it makes recommendations on who should be dispatched to a pending incident. When Dispatch creates a call, the CAD system will then evaluate where units are located and will make recommendations based on how that agency has set up their response plans, where the units are located, and the priority of the call. There are still a lot of ways an agency can customize their response plans to make them work best for their needs, but when building them, it is important to consider the AVL aspect of the system and its importance. Keeping that in mind agencies are able to not only build their responses based on their agency needs, but also getting the best response from the public. We are excited to share with you more about how AVL can work for your agency in the new CAD System during our one-on-one work sessions!

In order for AVL to work, your vehicle needs to be able to send GPS data back to the CAD servers. Right now Telecom has tested and is supporting 3 devices that can accomplish this:

MiFi Jetpack 791L

Free + monthly service fees



Cradlepoint IBR600C

~\$500 + monthly service fees



Cradlepoint IBR900LPE-VZ-NPS

~\$708 + monthly service fees



Article continues on next page

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The MiFi is a temporary solution. It is considered a consumer device and is not ruggedized like the Cradlepoints. We also do not know how long Verizon will offer this model MiFi, or if the next version will support GPS.

The Cradlepoint is more of a long term solution as it is built to stand up to heat, cold, and vehicle vibration. It will also have better reception when paired with a new antenna. This would provide stronger LTE for your data backhaul and more accurate reliable GPS. You will also have increased wifi range since the Cradlepoint will be broadcasting your wifi signal from the antenna.

Telecom Has Two New Supported Antennas

Laird Technologies - Phantom Fin Roof Antenna approx \$90
Included wires: 1 Wifi, 1 LTE, 1 GPS



Cradlepoint 5-in-1 Antenna approx \$375
Included wires: 2 Wifi, 2 LTE, 1 GPS



The Cradlepoints and antenna are optimal when paired as follows:

IBR600C + Sharkfin OR IBR900LPE + Cradlepoint 5-in-1

The Data Team in Telecom can help you with questions on options and configurations.

At this point the Cradlepoints will not support 'Band 14' FirstNet, but add-on adapters can add that functionality. Both antennas will support FirstNet as they handle a large range of frequencies. There are still a lot of questions out there as these technologies develop. Currently Telecom is working on testing the current AT&T coverage in Warren County.

The Telecom APP is in the development stage!

