

TELECOMatters

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

Strategic Roaming Explained

Warren County and surrounding counties have come to an agreement/plan that went into affect on August 18th for Warren County. As neighboring counties join MARCS IP, they will implement the same roaming guidelines.

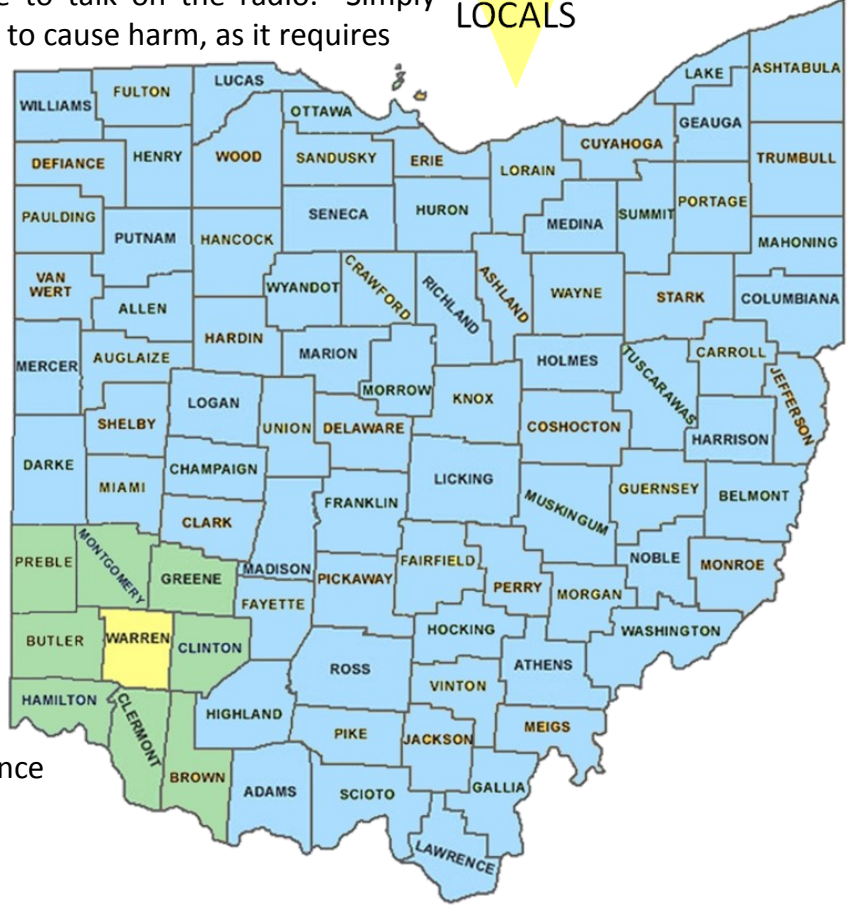
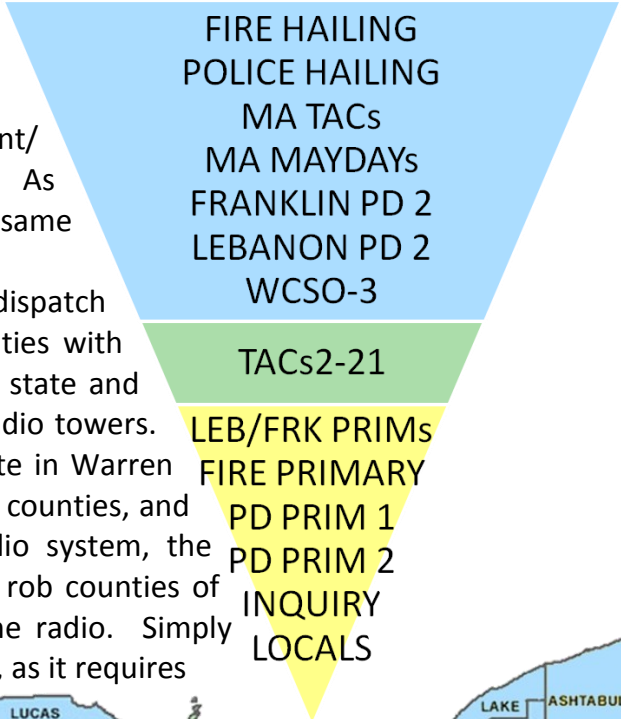
While “it’s cool” to be able to roam the state on our primary dispatch channels, we’re learning just how it impacts our neighboring counties with MARCS IP towers... and it’s not good. Simply put, we are tying up state and other county’s radio frequencies when our radios grab onto their radio towers. The same happens to us when other counties drive through/operate in Warren County. With us literally “stuck in the middle” of the green 800MHz counties, and they complete their transition to the State’s new MARCS IP radio system, the bleed-over of talkgroups onto each other’s towers could, at times, rob counties of their frequencies, leaving their own agencies unable to talk on the radio. Simply *listening* to a busy primary dispatch channel is enough to cause harm, as it requires the system to light up a frequency on the towers so it can play the dispatch traffic for you.

The solution = “Strategic Roaming” - a roaming configuration that strategically allows our agencies to do their job while not negatively impacting other counties, and vice versa.

Local & primary dispatch talkgroups (in yellow) will operate with the same limitations as the old analog system, but with the technical improvements of the digital system and added tower coverage (no dead zones!)

TACs2-21 (in green) will operate as far as one county surround (plus Preble) if within reach of a MARCS IP tower.

Hailing Talkgroups, Mutual Aid TACs and Maydays, Prisoner Transport talkgroup, and a PD talkgroup for each of Franklin and Lebanon (in blue) will work state-wide for larger incidents or long-distance communication needs.



Automatic License Plate Readers

Suggested Usage Steps

With car running and full power to vehicle devices start the LPR box.

Give the LPR box 2 minutes startup time **THEN** start up your MDC.

Once MDC boots up, log into Netmotion (RSA box), allowing 15-30 seconds for network connections to be checked.

Double click the Pagis icon to start program.

Once Login screen appears, enter credentials and press login. You should hear "Welcome".

Wait 30-60 seconds for cameras and options to show on screen. If it's consistently longer than 2 for this step, contact Telecom Data Systems.

If "camera mode" is not on your preferred mode, click the "camera mode" button allowing 30-60 seconds to change between modes.

If hits are coming in and GPS stats are showing in red - contact Data Systems to schedule appointment.

If screen stays gray or black - click the desktop icon to run "connection test for LPR system connection." A black box should appear and show a ping string to the LPR box. If you see constant replays on the display, communication to the box is ok. You can close the black box at this point. Otherwise, contact DST for further steps.

General Info

- Unplug all USB devices (except LPR USB drive) prior to MDC start up and several minutes before performing end shift so that it recognizes the availability of drive needed for End Shift procedures.
- Battery must be over 12vdc at all times (if car is shut off it will drop below this mark.) If this cannot be maintained the LPR software will begin a shutdown process that cannot be stopped until complete. If the system will not reconnect when vehicle is re-started, shut all systems down and start at beginning of usage steps.
- Never jump the vehicle without directly un-plugging the LPR box.

Changes as of 6/9/2014

- Boss tunnel is now ready for begin/end shift configuration to replace the jump drive loads/unloads.
- MDC assigned to car must stay in car to maintain tunnel configuration and functionality with Boss server.
- As part of the tunnel configuration, LPR connection shortcut will be added to MDC desktop. This allows the user a quick troubleshooting tool to test the connection between the ALPR processor and your MDC "Pagis" software. Double click the shortcut if cameras go to gray screen. *Please allow the ping string that pops up to run and finish. On completion, hit <enter> to close the black box that popped up during the ping process. If test shows time outs or issues continue, contact DST to schedule an appointment to have LPR configuration checked and corrected where needed.

MARCS SCHOOL RADIO TESTS

Schools under the Commissioner-resolved MOU were required to test their school emergency buttons between August 1st



and the upcoming September 7th. Testing allowed the school personnel to practice talking during the “open mic” period, activating the button, using the push-to-talk button, and clearing the emergency activation. It also allowed Dispatch centers and Telecom to monitor the success and catch any programming errors.

Overall, the testing has been going well, without major spikes in testing activity; but rather a steady stream of 1-minute run-throughs.

For schools who need an alias change, these have been documented and all programming needs will be resolved at one time, when Mobilcomm will do a countywide sweep; visiting each school building again and physically touching the radios.

Some minor adjustments to the testing script have been suggested, and if approved, won't take effect until the March 1-31, 2015 window. Telecom will distribute a fresh testing script well in advance.

All feedback from schools and agencies is encouraged as we work out the kinks and polish up this new facet of the radio system.

NEW TELEPHONE TECH - Matt Stapleton

- University of Cincinnati—IT / Networking
- Skills: configuring, operating, and troubleshooting routers; electronic switching systems repair; WAN networking; Maintaining telephone exchange & Internet Protocol.
- Network Nodal Operator Maintainer for U.S. Army National Guard since 2007.
- Certifications: CCENT, IASO (Army), Secret Clearance, currently studying for CCNA and Security +.



Radio Update 1.5

In our last issue we mentioned a radio update consisting of several improvements. Even since then, we have added to the list of “things to do” to your radios to make them and the system function even better. If you're not sure that you've received Update 1.5, contact the Radio Systems Team at 695-3251.

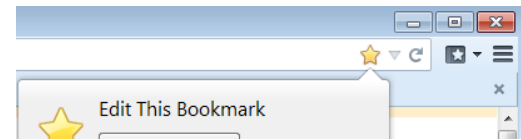
Microsoft Pulls MS14-045 from Update

Telecom has already taken care of our users' WCPSPN equipment but this is a tip for your personal computers, if affected.

Microsoft has pulled their 45th update of the year (MS14-045) from the download center due to known issues that could cause a Blue Screen on systems.

The patch is expected to re-release once fixed, but no ETA has been announced. Microsoft has also recommended customers uninstall versions of the update with known issues (Update KB2982791).

Bookmark our Website



TELECOM
Warren County - Ohio

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OUTAGE NOTICE: Wed, August 20th

Please provide this information to anyone in your organization that needs it

Description: WCPSPN MAINTENANCE
Location: Warren County Telecommunications Data Center
When: Wednesday, August 20th from 5:00 PM – 8:00 PM
Outage Duration: 3 Hours, Users will experience outages in various applications with the gateway during this time.
Purpose: To perform system maintenance and fail-over testing.
Impact: Affects all WCPSPN connectivity throughout the maintenance window. Dispatch, Mobile, and Gateway applications could experience intermittently during this time.
User Responsibility: Contact the Data Systems team via the information below with any issues once the maintenance window is over.

EFFECTIVE MONDAY AUG 18TH: STRATEGIC ROAMING PLAN

Statewide Roaming
MA TACS, MA MAYDAYS, Fire Hailing, Police Hailing.

Training

- CAD/RMS Training
- Data Systems Training
- Highlight Reels
- Radio Training
- FTP Access
- Telecom Help System

The far-right training tab is broken down by division and is loaded with training videos, PowerPoints, 1-page Technical Bulletins, and more! If you're not using this in your internal trainings, you're missing out!



MATAC Training PowerPoint

With Greene County already on MARCS IP and more neighboring Counties close behind, the MATACs in your radio will become more useful in the coming months! [Click](#) to download the “MATAC Training PowerPoint” and begin learning the uses and parameters.

Defined

MATAC = regional tactical channel for mutual aid between SW Ohio Counties.

New capability for Counties that are partnering with MARCSIP since we're all parts of a larger "collective" radio system.

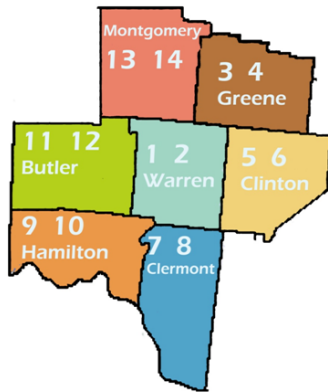
Warren County and Green County are MARCS partners (SO FAR!)

- This is the first time Warren & Greene Counties can communicate with one another. If a Greene County radio tower offers better signal in an area in my County than my system does (possibly around Caesars Creek Lake), the radios will switch over to Greene Counties towers automatically.



The plan once all counties join MARCS IP

	ZONE A	ZONE B
1	MATAC 1 (warren)	MATAC 15
2	MATAC 2 (warren)	MATAC 16
3	MATAC 3 (greene)	MATAC 17
4	MATAC 4 (greene)	MATAC 18
5	MATAC 5 (clinton)	MATAC 19
6	MATAC 6 (clinton)	MATAC 20
7	MATAC 7 (clermont)	MATAC 21
8	MATAC 8 (clermont)	MATAC 22
9	MATAC 9 (hamilton)	MATAC 23
10	MATAC 10 (hamilton)	MATAC 24
11	MATAC 11 (butler)	MATAC 25
12	MATAC 12 (butler)	MATAC 26
13	MATAC 13 (mont)	MATAC 27
14	MATAC 14 (mont)	MATAC 28
15	MAMAYDAY1	MAMAYDAY 3
16	MAMAYDAY2	MAMAYDAY 4



APX Radio 6000XE
Law Version

proudly serving the
WARREN COUNTY
Public Safety Network

APX6000 Training PowerPoints

Fire version is posted on the Fire Chiefs webpage for secure download due to emergency button content. Law version can be emailed upon request from Allison.lyons@wcoh.net (no requests have been made since the August publication.)

APX 6000 XE Portable Radio
Fire Version

proudly serving the
WARREN COUNTY
Public Safety Network

Check out the Telecom News Board!



Outside PK's office, it displays the latest newsletter along with archived issues, Technical Bulletins, and training materials. Anything on a black binder clip is meant to be taken so grab and share with your agencies!

UP FOR GRABS NOW—APX6000 PowerPoint handouts and MATAc Explanation Flipbooks.