

# TELECOMatters

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

## Radio System Update!

### School Security Radios

So far, we have met with Mason, Springboro, Wayne Local, and Kings Local. Warren County Career Center, Carlisle, WC ESC and Lebanon are in the works. All work sessions have had great discussion and questions from all parties. There is a collective agreement that these radios will be beneficial for the schools' safety and that training is IMPERATIVE to make these effective.

### Public Safety Radios

The Radio Team is continuing to write templates with the help from Mobilcomm. We intend to start programming in the next couple weeks with law enforcement, followed by fire, then non-public safety last.

THE PLAN: agencies need to arrange a time to drop-off small batches of their portable radios. Because of an added step to the programming/configuring setup (never done before), the time to update each radio is significantly longer than in times past (20-30 minutes each). It will be up to the departments to grab the radios they can spare for a day and drop them off. The benefit to this is that you are not stuck at Telecom, waiting around for your radios to be finished. You can continue on with your day and we will notify you when they're ready for pick-up.

Telecom will be utilizing every spare hand they can get to program and AeroFlex these radios. All hands will be on deck to turn these radios over as quickly as possible for our subscribers. Please be patient with us as we physically program more than 2,500 radios.

### Digital Switch

Besides some auto-toning adjustments, the digital system is up and running! Now the big step is to program the 2,500+ radios that will be talking on it! We mentioned this above. Chiefs, be looking for a radio drop-off calendar from Allison or Nick with time windows to drop off

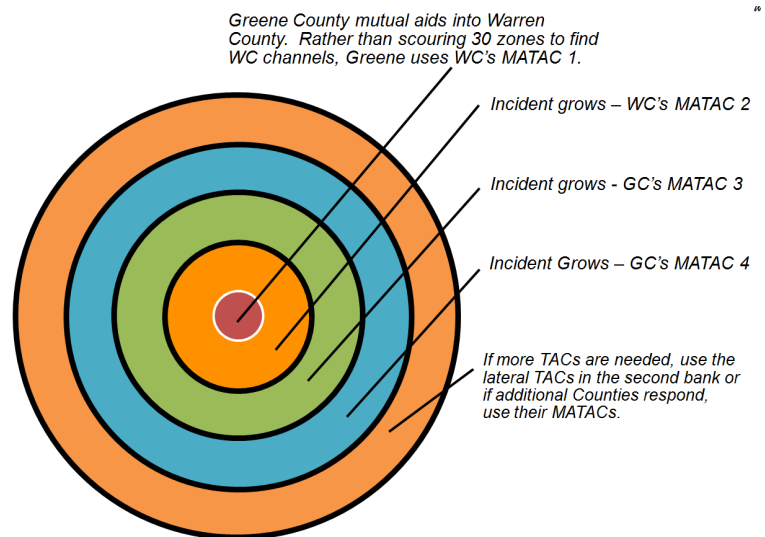
batches of up to (12) radios at a time. With each portable taking 20-30 minutes to align/program, we only want to take small quantities at a time so that you can use the rest of your radio fleet for daily operations.

### Cutover Plan

Tentatively, we're planning on a Tuesday at 10am to coincide with existing Commissioners meetings. This will allow us to hold a small ceremony as we make the literal switch from the current analog system to the new digital system. Picture 5 teams at 5 different tower sites getting the signal to unscrew antennas from the analog equipment, walk over a few feet, and screw those antennas into the new digital system. It will be that simple (knock on wood). Please keep your eyes on the literature we put out via email, social media, and this newsletter so that you know the cutover plan. The alternative will be your department left with no radio communication or solution to fix it.

### Mutual Aid TACs (MATACs)

Here's an example of how a mutual aid incident can start small in Warren County (center red dot) and grow with additional needed MATACs.



# The "Not Yet Digital" Law Radio Template **EXPLAINED**

\*WCSO template example. Individual agencies will vary slightly. Nick & Glenn have to program 3,000 radios BEFORE the 2014 cutover, putting digital talkgroups in your radio before you can use them.

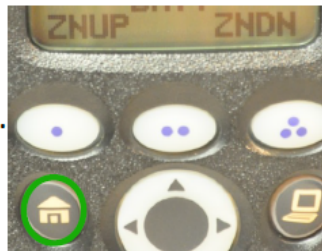
**Mutual Aid TACs (MATAC)** channels are a future solution to the exhaustive zones of neighboring counties' talkgroups. These 2 zones will eventually replace the need for the BC, HC, MC, GC, CC zones of other Counties' talkgroups once all are on the MARCS system. Greene County (MATAC 3 & 4) can be used right away. Clinton County (MATAC 5 & 6) planned for late 2014. Clermont County (MATAC 7 & 8) planned for 2015. Other Counties to be announced when programmed and ready to go. MATACs are ONLY FOR USE when mutual aiding with another county. Our usual TACs 2-21 are for internal mutual aiding.

Current Analog Zones				Digital (won't work until digital switch in early 2014 but placed into their 'forever homes')					
old ZONE D (4 back) Zone S	old ZONE C (3 back) Zone T	old ZONE B (2 back) Zone U	old ZONE A (1 back) Zone V	ZONE A	ZONE B	ZONE C (user defined)	ZONE D	ZONE E	ZONE F
PD PRIM 1	PD PRIM 1	PD PRIM 1	PD PRIM 1	XPD PRIM 1	XPD PRIM 1	XPD PRIM 1	XPD PRIM 1	XMA TAC 1	XMA TAC 15
CIS	WCSO 1	WCSO 1	WCSO 1	XWCSO 1	XWCSO 1	XWCSO 1	XCIS	XMA TAC 2	XMA TAC 16
8CALL 90 D	INQUIRY	INQUIRY	INQUIRY	XINQUIRY	XINQUIRY	XINQUIRY	8CALL 90 D	XMA TAC 3	XMA TAC 17
8TAC 91 D	SOUTH LEB	DEER SO	STH LEB	XSOUTH LEB	XDEER SO	XSOUTH LEB	8TAC 91 D	XMA TAC 4	XMA TAC 18
8TAC 92 D	WCSO 2	NIMS	HAILING	XHAILING	XNIMS	XWCSO 2	8TAC 92 D	XMA TAC 5	XMA TAC 19
8TAC 93 D	WCSO 3	TAC 12	TAC 2	XTAC 2	XTAC 12	XWCSO 3	8TAC 93 D	XMA TAC 6	XMA TAC 20
8TAC 94 D	HAILING	TAC 13	TAC 3	XTAC 3	XTAC 13	XHAILING	8TAC 94 D	XMA TAC 7	XMA TAC 21
8CALL 90	FIRE PRIM	TAC 14	TAC 4	XTAC 4	XTAC 14	XFIRE PRIM	8CALL 90	XMA TAC 8	XMA TAC 22
8TAC 91	LEBANON PD	TAC 15	TAC 5	XTAC 5	XTAC 15	XLEB PD	8TAC 91	XMA TAC 9	XMA TAC 23
8TAC 92	FRANKLN PD	TAC 16	TAC 6	XTAC 6	XTAC 16	XFRK PD	8TAC 92	XMA TAC 10	XMA TAC 24
8TAC 93	TAC 2	TAC 17	TAC 7	XTAC 7	XTAC 17	XTAC 2	8TAC 93	XMA TAC 11	XMA TAC 25
8TAC 94	TAC 3	TAC 18	TAC 8	XTAC 8	XTAC 18	XTAC 3	8TAC 94	XMA TAC 12	XMA TAC 26
8TAC 94 D	TAC 4 / SWAT	TAC 19	TAC 9	XTAC 9	XTAC 19	XTAC 4 / X SWAT	8TAC 94 D	XMA TAC 13	XMA TAC 27
8TAC 92 D	INQUIRY	TAC 20	TAC 10	XTAC 10	XTAC 20	XINQUIRY	8TAC 92 D	XMA TAC 14	XMA TAC 28
JAIL	DEER SO	TAC 21	TAC 11	XTAC 11	XTAC 21	XDEER SO	JAIL	XMA MYDY 1	XMA MYDY 3
PD PRIM 2	PD PRIM 2	PD PRIM 2	PD PRIM 2	XPD PRIM 2	XPD PRIM 2	XPD PRIM 2	XPD PRIM 2	XMA MYDY 2	XMA MYDY 4

Current/familiar Analog talkgroups have been relocated in a mirror image from their original location. Analog Zone A will be "1 back", Zone B will be "2 back", Zone C will be "3 back", and Zone D will be "4 back" from Digital Zone A.

Home Button allocation is to the digital zone of your Chief's choice, so press it to see where it takes you. Then learn the muscle memory to reach the analog zones you'll work off in these interim months.

Home Button directs you to Digital Zone \_\_\_\_.



Digital talkgroups will be in their forever homes.

**You'll see "X" before digital talkgroups - they can NOT be used until the early 2014 cutover!**

## Watch for Go-Live / Cutover Announcements!

The cutover will happen simultaneously with our ceremony at the Commissioners Office, tentatively planned for 10AM, date TBD. When the 'magic button' is pressed, someone will announce the cutover on the analog system then immediately turn it off and turn ON the digital system, making its first-ever broadcast. **Be ready and know what to do!** The cutover will END USE of analog talkgroups IMMEDIATELY and begin use of talkgroups with an X in front of them. **Telecom will push out lots of info, flyers, videos, on this topic so please read our emails + newsletters, and visit our website/facebook/twitter!**



# The "Not Yet Digital" FIRE Radio Template EXPLAINED

Nick & Glenn have to individually program 3,000 radios BEFORE the 2014 cutover, putting Warren County's future digital talkgroups in your radio before you can use them.



**ABC Switch** on the top of your radio is either Quick Zone Access to A-B-C or a keypad lock (whichever your Chief selected for programming.) If quick zone access, your buttons likely have a delay.

**Mutual Aid TACs (MATAC)** channels are a future solution to the exhaustive zones of neighboring counties' talkgroups. These 2 zones will replace the need for the BC, HC, MC, etc. zones of other Counties' talkgroups once all are on the MARCS system.

- Greene County (MATAC 3 & 4) can be used right away.
- Clinton County (MATAC 5 & 6) planned for late 2014.
- Clermont County (MATAC 7 & 8) planned for 2015.
- Other Counties to be announced when programmed and ready to go.
- MATACs are ONLY FOR USE when mutual aiding with another county. Our usual TACs 2-21 are for internal mutual aiding.

Current Analog System			Digital A	Digital B	Digital C	X MATAC Z1	X MATAC Z2	Interops
3 back (old C)	2 back (old B)	1 back (old A)	Zone A	Zone B	Zone C	Zone D	Zone E	Zone F
USER DEFINED	Fire Prim	Fire Prim	X Fire Prim	X Fire Prim	USER DEFINED	X MATAC 1 (warren)	X MATAC 15	Fire Prim
	FD Ops	FD Ops	X FD Ops	X FD Ops		X MATAC 2 (warren)	X MATAC 16	FD Ops
	Pub Safety	Pub Safety	X Pub Safety	X Pub Safety		X MATAC 3 (greene)	X MATAC 17	8CALL 90 D
	NIMS	FD Hailing	X FD Hailing	X NIMS		X MATAC 4 (greene)	X MATAC 18	8TAC 91D
	TAC 12	TAC 2	X TAC 2	X TAC 12		X MATAC 5 (clinton)	X MATAC 19	8TAC 92D
	TAC 13	TAC 3	X TAC 3	X TAC 13		X MATAC 6 (clinton)	X MATAC 20	8TAC 93 D
	TAC 14	TAC 4	X TAC 4	X TAC 14		X MATAC 7 (clermont)	X MATAC 21	8TAC 94 D
	TAC 15	TAC 5	X TAC 5	X TAC 15		X MATAC 8 (clermont)	X MATAC 22	8CALL 90
	TAC 16	TAC 6	X TAC 6	X TAC 16		X MATAC 9 (hamilton)	X MATAC 23	8TAC 91
	TAC 17	TAC 7	X TAC 7	X TAC 17		X MATAC 10 (hamilton)	X MATAC 24	8TAC 92
	TAC 18	TAC 8	X TAC 8	X TAC 18		X MATAC 11 (butler)	X MATAC 25	8TAC 93
	TAC 19	TAC 9	X TAC 9	X TAC 19		X MATAC 12 (butler)	X MATAC 26	8TAC 94
	TAC 20	TAC 10	X TAC 10	X TAC 20		X MATAC 13 (mont)	X MATAC 27	8TAC 94 D
	TAC 21	TAC 11	X TAC 11	X TAC 21		X MATAC 14 (mont)	X MATAC 28	8TAC 92D
	MAYDAY 2	MAYDAY 1	X MAYDAY 1	X MAYDAY 2		X MA-MAYDAY1	X MA-MAYDAY 3	UNPROG
	Fire Prim	Fire Prim	X Fire Prim	X Fire Prim		X MA-MAYDAY 2	X MA-MAYDAY 4	UNPROG

The current/familiar Analog talkgroups have been relocated. Analog Zone A will be "1 back", Zone B is "2 back", and Zone C is "3 back" from Digital Zone A. Also, your Chief selected if the Home button directs to Fire Primary in Digital Zone A, B, or C so test/check the provided Digital Order Form and practice muscle memory to reach the analog zones during these interim months.

You'll see "X" before all digital talkgroups - they can NOT be used until the early 2014 cutover!

## Watch for Go-Live / Cutover Announcements!

The cutover will happen simultaneously with our ceremony at the Commissioners Office, tentatively planned for 10AM, date TBD. When the 'magic button' is pressed, someone will announce the cutover on the analog system then immediately turn it off and turn ON the digital system, making its first-ever broadcast. **Be ready and know what to do!** The cutover will END USE of analog talkgroups IMMEDIATELY and begin use of talkgroups with an X in front of them. **Telecom will be pushing out lots of information, flyers, videos, on this topic so please read our emails + newsletters, and visit our website/facebook/twitter!**

Home Button directs you to Digital Zone .



## Have Telecom questions?

We want to answer them! Email [Allison.lyons@wcoh.net](mailto:Allison.lyons@wcoh.net), she will investigate with the subject matter experts and get back with you as quickly as possible!

## Microsoft Ends Windows XP Support on April 8

- **What does this mean for your agency?** Warren County Telecom will no longer support any devices that have WinXP on them as of April 2014. This will put older MDC's out of service.

- **Which MDC's need replaced?** CF-18 & CF-29

- **Which MDCs can move forward with a \$140 license upgrade to Windows 7 (per MDC) if agencies choose?**

All CF-30 & CF-19 models

- Any CF-31 MDC's that currently have XP will be upgraded to Win7 free of charge. The Win7 license was included with these when they were purchased. This end-of-life announcement was first published in November 2012's newsletter as well as discussed at both the April 2014 & June 2014 Communications Work Group meetings.

**Departments can not wait until this spring to make equipment decisions and expect DST to meet that quick turnaround. Please make your decisions as soon as possible and contact DST at x3250 so that licenses and equipment can be purchased, and work can be scheduled.**

## Radio System's Reduced Capacity

The radio system is running at reduced capacity. The new radio system has taken capacity away from the old while we test and configure the new system. It is not possible to quickly move the resources back to the old system for the winter storms we've been experiencing.

As we know, storms mean increased activity on the radio and system busies are possible. We ask that everyone keep routine radio traffic off the radio system during storms so that it is available for emergency traffic.

A reminder that the mutual aid channels, 8CALL90, 8TAC91, 8TAC92, 8TAC93, and 8TAC94 are available if you are working in close proximity to one another. The mutual aid channels do not put any additional loading on the radio system.

**PLEASE NOTIFY YOUR PERSONEL TO FOLLOW THESE GUIDELINES DURING LARGE WINTER STORMS.**



## DST OUTAGE NOTICE

- **Description:** Gateway Access / MDCs
- **Location:** Telecom Data Center
- **Start Time:** Feb 11th, 2014 5:00PM - Feb 12th, 2014 12:00AM
- **Outage Duration:** 7 Hours, Users will not have access to <https://gateway.wcpsn.net> during this time. MDC access may also be intermittent at this time
- **Purpose:** Perform maintenance to virtual environment. Maintenance and updates/patches to servers
- **Impact:** Users will be unable use applications accessed using Gateway. MDC access may also be intermittent at this time.
- **User Responsibility:** User must be logged out of all Gateway application before 5PM or they will be forced off.

*If you would like more details about this issue, please feel free to contact us via email to [help@wcoh.net](mailto:help@wcoh.net) or by calling us at +1-513-695-4357 option 4.*

# What Agencies Should do During the Radio Cutover

# Analog Digital

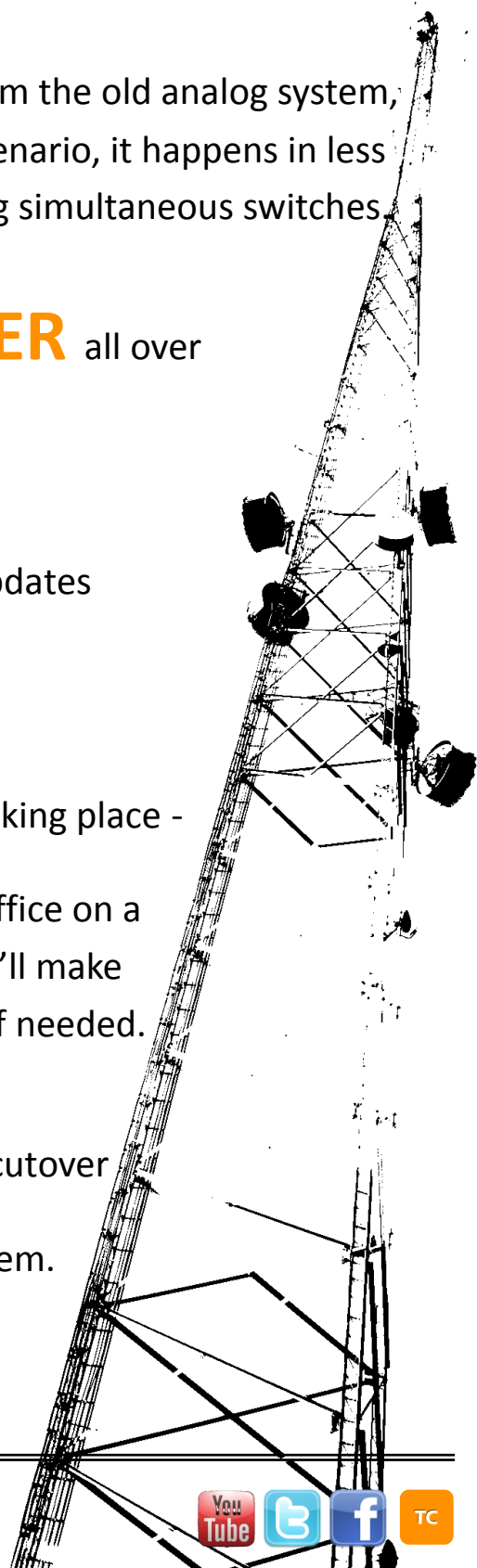
The “cutover” is literally the unplugging of antenna wires from the old analog system, and plugging them into the new digital system. Best case scenario, it happens in less than 1 minute, with (5) teams, one at each tower site making simultaneous switches.

**1. POST/DISTRIBUTE THIS FLYER** all over your station, via email, at roll call, etc!

**2. STAY INFORMED** on Radio System Updates (website, monthly newsletter, facebook, emails).

**3. KNOW THE DAY** that the cutover is taking place - we will throw a ceremonial event at the Commissioners office on a Tuesday at 10am. Keep your eyes peeled for the date! We'll make mention of it in the above formats as well as phone calls if needed.

**4. TELL YOUR PEOPLE** that once the cutover happens, begin use of talkgroups with an 'X' in front of them.





# Take the APX 'Test Radios' for a Test Drive!

The latest style of radio in Warren County is available for your department to experience! Telecom has (2) Test APX 6000XE Radios that departments can borrow for 2-3 days. Programmed with the \*DIGITAL\* Fire Primary talkgroup, law and fire alike can borrow these radios to HEAR the digital system for themselves! Lebanon Police borrowed them and drove their community's streets, testing signal strength and audio quality. They reported back that transmissions were clear and prior trouble areas on the analog system had much better signal strength. Since the digital system is not yet in operation, you are free to talk back and forth with the other 'test radio' carrier on "X Fire Primary".

*Contact Nick at x1177 or [nick.yeazel@wcoh.net](mailto:nick.yeazel@wcoh.net) to reserve the radios!*

