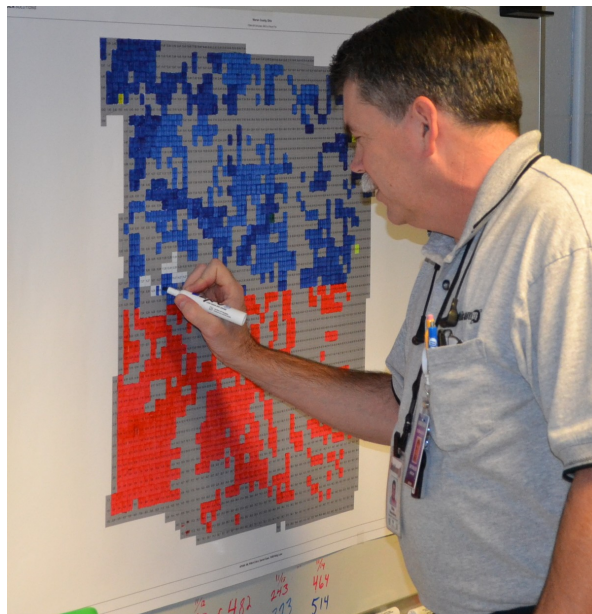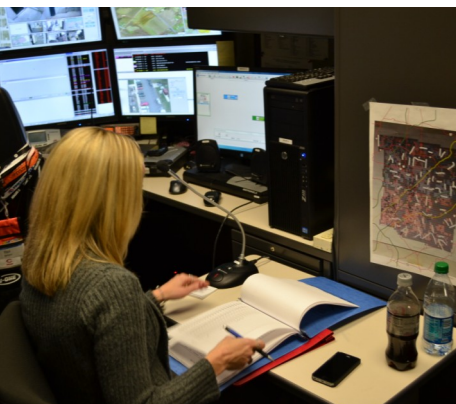# Radio System Coverage Testing is Complete!

4 Days + 2 Road Teams + 1 Prime Site Team + 1069 Map Tiles!

Team Red & Team Blue split the County into north/south halves, then took to the streets (in 1/2 mile x 1/2 mile grids). Each team consisted of 4 people: 1) driver, 2) radio operator, 3) map navigator, 4) paper log recorder. Motorola's computer was connected to the portable radio and a navigation software so that as a team drove into a grid 'tile', the computer would make 2 consecutive tones, prompting the radio operator to key up and say, "Blue/Red Team [insert tile # here]". Back at Telecom's office, someone manning a radio console (normally Paul Bernard, Glenn McKeehan, or Heather Mason) would hear the transmission, audio quality check it, read back the tile number and confirm pass or fail. The vehicle's radio operator would then confirm, "Blue Pass" or "Red Pass". Two log books were maintained to document a passing status for that tile, and Mobilcomm's Chip Donaldson would color in the tile on a large map.

One by one that map filled up, with some tiles taking 10-15 minutes just to find a way into (think corn fields, long country drives, gated access roads, and trees just feet from where we needed to be.) But in all, the coverage test was a raving success with results never seen before - NO FAILS! Not one grid had unacceptable reception! And only 3 tiles had to be marked 'inaccessible' aka 'untestable' because a vehicle simply couldn't safely reach the tile. We're one step closer to operating on the new digital system!

The Proper Records Request Process

WARREN COUNTY DEPARTMENT OF EMERGENCY SERVICES

500 JUSTICE DRIVE

LEBANON, OHIO 45036-2317

Office 513-695-1315   Fax 513-695-2970

The Warren County Department of Emergency Services, Division of Communications, is pleased to make available to you all information **not exempted from disclosure by the Federal Privacy Act and/or General Assembly of the State of Ohio (see note below)**. In order for us to provide the information in a timely and diligent manner, we ask that you fill out this form with as much information as possible. Filling in these fields are optional, it is not mandatory that you leave your name, address, or phone numbers **ORC 149.43(B)(5)**. We will provide you with all non-exempt information as soon as possible. Research, preparation, and release of records shall occur during the normal business hours of our administrative office hours, which are 8 am – 5 pm Monday through Friday, with the exception of legal holidays as defined by the Warren County Personnel Policy.

REQUESTER INFORMATION

Name _____   Today's Date _____

When Record is ready, (choose **ONE** of the following):

☐ I will pick up the record. Contact me at: Telephone _____ Cell _____
or
☐ Mail record to: Address _____ City _____ State _____ Zip _____
or
☐ **SHORT AUDIO REQUEST ONLY** - Email the record to this address (NO Printouts will be emailed): _____

INCIDENT INFORMATION

Address or Place of Occurrence _____

Briefly describe the Incident _____

_____

Incident Date: _____ to _____   Incident Time: From _____ to _____ Incident #: _____

INFORMATION REQUESTED

COPIES OF:
☐ Call for Service (Computer printout, cannot be emailed, detailing information received and tracked by dispatcher)

RECORDINGS OF: _____

_____

NOTE: Some of the printed material you receive may have information that cannot be released by law. This information has been redacted (blacked out by marker) in accordance with the law. In most cases, redacted information will be social security numbers. LEADS/NCIC information is only available to law enforcement personnel, as defined in the Ohio Revised Code.

DEPARTMENT USE ONLY

Prepared by _____ Notes _____ Date_____ CFS Updated ☐
Notified: 1)_____ 2)_____ Box in dispatch / IO mailed / Emailed on _____
Picked Up / Mailed on _____ By: _____

Updated July 6, 2012

"Your Protection is Our Profession"

This form is only used for CAD printouts and/or dispatch audio recordings (radio traffic/ phone calls.) Contact ES at x1315 for any other type of information. Fill out the necessary fields to facilitate locating the record you want. Filling out this form is not required per the ORC.

specify how you want to receive your record - pick up at Emergency Services OR have it mailed OR emailed to you. Only short audio requests will be emailed due to size restrictions and that CAD does not produce a digital version of its data.

Specifies location/description/date/time of incident. If CAD data is requested, dispatched location is used for searches which may not be where the incident actually occurred. Description field is used to briefly explain the incident. Sometimes multiple incidents occur at a location and this ensures that you receive the desired record. Incident number may or may not be known but does help to locate the exact record.

Allows you to specify what you want. The Call for Service check box refers to CAD Audit Trail printout (which cannot be emailed). The [Recordings of] lines let you specify what recordings you want. Options include phone calls (usually the complainant) and/or radio traffic. If radio, you need to say what radio talk groups are wanted such as Fire Primary, TAC number, etc.

When finished, click the [Email this form] button at the bottom. It will be emailed to ES for processing. After the form is reviewed, it is forwarded to Telecommunications CAD/RMS for the actual search and preparation of the requested information. The form and the prepared information is then returned to ES. All documents are checked for information that must be redacted such as social security numbers. When finished the record is provided to the requestor.

Requests are handled during normal business hours as explained on the form. Contact ES at x1315 if you have any questions.

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.
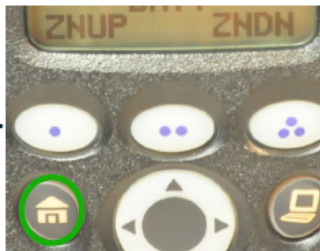
Mutual Aid TACs (MATAC) channels are a future solution to the exhaustive zones of neighboring counties' talkgroups. These 2 zones will eventually replace the need for the BC, HC, MC, GC, CC zones of other Counties' talkgroups once all are on the MARCS system. Greene County (MATAC 3 & 4) can be used right 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.

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!

Home Button directs you to Digital Zone __.

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!

Home Button directs you to Digital Zone _.

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!**

MARCS in the Schools
Multi-Agency Radio Communication System

ATTENTION LOCAL SCHOOLS: If you have not applied for your FREE school security radio, do so today!

HOW does this school radio work?

- A Motorola APX4500 radio comes preprogrammed by a company called Mobilcomm with a Warren County channel. All you do is plug it in and mount the magnetic antenna where you get the best signal.

- **If your school building experiences a life-threatening incident (e.g. school shooting, bomb threat, mass violence), you press the orange emergency button and the radio automatically alerts your 9-1-1 Dispatch Center.** Additionally, you can key up the microphone and talk directly to a dispatcher to relay more information if able.

- A la cart options (for a cost): you can add 'remote' emergency buttons to other parts of your building (e.g. if the radio is inaccessible because the perpetrator is in that area, a button located in a separate wing can be pressed instead. The quantity of 'remote' buttons is virtually limitless. Also, if your building has poor radio reception or you prefer an external antenna, it can be purchased and installed by Mobilcomm for an approximate cost of $1703.78 (plus tax).

WHAT do I need to do?

- Make sure your school district's principals/superintendents are tuned into this opportunity and understand its value (and optional costs)!

- **Apply for the grant** / radio if you want to participate → http://osfc.ohio.gov/Home/SchoolSecurityGrantProgram.aspx

- **NOTIFY ALLISON** that you're moving forward with the school radio so that I can set up your work session.

- **Attend** the work session: To give each school district undivided attention, I will schedule one session per district to take place this winter so that all our ducks are in a row. This will require aligning several people's schedules on a Wednesday or Thursday so **when you get my email of proposed dates, please check your calendar and respond with all days that work!** In our work session, you will roundtable with your community's fire and police chiefs to work out an Incident Action Plan (or share your existing ones) for each school building. It will also be decided where each building's radio will be housed, if you want 'remote' emergency buttons, if your building requires an external antenna, and your chiefs will decide how large the fire/law response needs to be. This response is then configured into the Computer-Aided Dispatch (CAD) system here in Telecom so that when the emergency button is pressed, the necessary type & quantity of units are automatically dispatched to your school building!

- **Gather** your building's Incident Action Plans if they exist.

- **Be prepared to send your staff** that may use this radio to a 1-hour hands-on training class in early 2014.

WHEN can this take affect?

- When the County goes digital (**early 2014**).

  - Closer to our go-live date, we will announce the **'Hands-on Staff Training' opportunities** via email, our website (www.warrencountytelecom.com), and social media! Your office personnel and any staff that you want to be comfortable with the radio will experience the radio and your action plan first hand. We will most likely conduct this at the Educational Resource Center in Lebanon where we can pack several people into one room, answer questions, and do a live demonstration of setting off the emergency button.

Don't hesitate to call with questions! I will follow up individually with each cluster of school district contacts – the clock is ticking to get all the pieces of this amazing opportunity in place before going digital!

Monthly Reports Online

CAD, Phone, 9-1-1 and Radio monthly reports for July as well as all previous months and years reports can be found on the [FTP Site](). Custom and agency-specific reports can be requested from the CAD/RMS Team.

Have Telecom questions? We want to answer them! Submit questions to [Allison.lyons@wcoh.net]() and she will investigate with the subject matter experts and personally get back with you as quickly as possible!

Microsoft Ends Windows XP support on April 8, 2014

(as noted in Nov '12 , Oct '13, Nov '13 issues)

- **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 most of the older MDC's out of service.
- **Which MDCs do replacement plans need to be made for?** All CF-18 & CF-29 models
- **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 was published in November 2012's newsletter as well as discussed at both the April 2013 & June 2013 Communications Work Group meetings. Departments can not wait until this spring to make equipment decisions and expect Data Systems to meet that quick of a turnaround. Please make your decisions this year and contact DST at x3250 so that licenses and equipment can be purchased, and work can be scheduled.

Radio Reception Improvement at 500 Justice Drive

After years of sketchy signal in 'the basement', Telecom has installed an in-building repeater to amplify our signal. Not only does this increase our portable reception when working below ground, but it greatly improves our neighboring departments' reception - mainly Children's Services and Court Services.

Map upload is Finished!

Highlights:

| 54,911 street segments

| 44,971 intersections

| 7,258 common place points (the 500 OSF points were removed)

| Updates to the building layer. Most notable are the addition of the Racino and layout for Waynesville school.

| New preplan added for the Racino

| Many divided highways/roadways are now showing as divided. No street names were changed.

| Massie Twp Fire Dept has completely rezoned their area.

Comparison chart for new toughbook options - Includes less rugged model a tablet for those who are interested.

	CF-31S (rugged) current/discontinued **CF-31SALAX1M**	CF-31W (rugged) new **CF-31WALAXLM**	CF-53 (semi-rugged) **CF-53SSLZYM**	FZ-G1 tablet **FZ-G1ADAGX1M**
List Price	$4,019.92	$3,629.89	$2,193.49	$2,495.74
Estimated Cost	$3,679.18	$3,456.92	$2,063.81	$2,313.84
Processor	i5 2.6GHZ Turbo 3.3	i5 2.7GHz Turbo 3.4	i5 2.7GHz Turbo 3.4	i5 1.9GHz Turbo 2.9GHz
RAM	4GB	4GB	4GB	4GB
Keyboard	Emissive backlit	Emissive backlit	Emissive backlit*	purchased separately***
RJ-45	Yes	Yes	Yes	Yes
USB 2.0 QTY	3	TBD	2	0
USB 3.0 QTY	1	TBD	1	1
HDMI	Yes	TBD	Yes	Yes
Optical Storage	No	No	DVD burner	No
HDD	500GB	500GB	500GB	128GB SSD
Shock Mounted HDD	Yes	Yes	Yes	NA
Heated HDD	Yes	Yes	No**	No
Video Memory	1419MB	TBD	1428MB	Dynamic Video Memory Technology
Weight	8.2 lbs	8.2 lbs	6.5 lbs	2.5 lbs
Certified Drop Height	6'	6'	3'	4'
Display -Sunlight readable	Yes	Yes	Yes	Yes
-touchscreen	Yes	Yes	Yes	Yes
-LED backlight	Yes	Yes	Yes	Yes
-Widescreen display	No	No	Yes	Yes
-Screen size	13" 1024x768	13" 1024x768	14" 1366x768	10.1" 1920x1200
-Diagonal size	33.3 cm	33.3 cm	35.6 cm	25.7 cm
Certifications	MIL-STD Certifications: MIL-STD-810G MIL-STD-461F Ingress Protection (IP65) Underwriters Laboratories (UL 1604) ENERGY STAR Qualification EPEAT Certification GOLD ISO Certification RoHS Compliance Section 508 Standard	MIL-STD Certifications: MIL-STD-810G MIL-STD-461F Ingress Protection (IP65) Underwriters Laboratories (UL 1604) ENERGY STAR Qualification EPEAT Certification GOLD ISO Certification RoHS Compliance Section 508 Standard	MIL-STD Certifications: MIL-STD-810G ENERGY STAR Qualification EPEAT Certification SILVER ISO Certification RoHS Compliance Section 508 Standard	MIL-STD Certifications: MIL-STD-810G Ingress Protection (IP65) ISO Certification RoHS Compliance Section 508 Standard

For more on certifications, go to link, scroll down, and click on the SPECS tab:
CF-31 http://www.panasonic.com/business/toughbook/fully-rugged-laptop-toughbook-31.asp
CF-53 http://www.panasonic.com/business/toughbook/semi-rugged-laptop-toughbook-53.asp
FZ-G1 http://www.panasonic.com/business/toughbook/ultra-mobile-rugged-mca-Toughpad_FZ-G1.asp

*53 without backlit keyboard is $1852.98   **$250 more for heated HDD in 53   ***Panasonic iKey Folding Keyboard iKey magnesium detachable folding keyboard with touchpad and integrated backlighting, custom snap   IK-PAN-FZG1-CO1 $498.17

HANDS-ON PANASONIC PREVIEW FOR LAW & FIRE

Thur, Dec 5th / 11a-1p at WC Educational Service Center *1879 Deerfield Rd, Lebanon* *Email your headcount to Jeff.Cepin@wcoh.net to ensure enough pizza and salad.* Panasonic is hosting a Public Safety Technology Review showing off their latest toughbook/toughpads/CF-53 computer. They are also supposed to have a car with Arbitrator. It's important to arrive by 11am for presentation before a more informal Q&A time. Panasonic will stay after if people want to get hands-on and ask further questions.

Verizon Wireless Introduces the Crisis Response Team.

Verizon Wireless understands the importance to government of restoring wireless communications immediately when an emergency situation arises. That's why we've deployed mobile cell sites and other equipment to more than a dozen emergency incidents in the United States in recent years, including natural disasters and school shootings.

We're proud to announce the availability of this nationwide service from a single, unified, field-proven source. Our Verizon Wireless Crisis Response Team (VCRT) stands ready to assist Government customers, non-profit organizations, and emergency management teams during times of crisis.

You can turn to VCRT for trustworthy, knowledgeable support with:

- Phone coverage
- Equipment/network support
- Assistance with search and rescue initiatives
- Live support line 24x7x365
- Best-in-class customer support
- Routing of appropriate requests to Law Enforcement Resource Team

We respect your role in helping keep our communities safe, secure, and livable – and we strive to support your mission in all we do. VCRT is just one way we stand behind you; contact us to learn more about the full range of Verizon Wireless mission-support services available for your agency.

VCRT is always seconds away, and prompt help is available 24 hours a day, every day of the year.

Call 1.800.981.9558

It's the Network for Crisis Response