



# **BRICS**

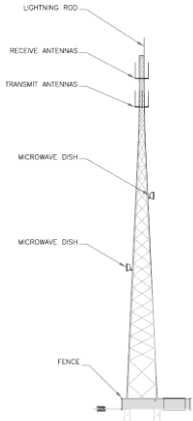
**BCSO Communications Division**

## Butler Regional Interoperable Communications System

# **Radio Training**

## Hospitals 2014

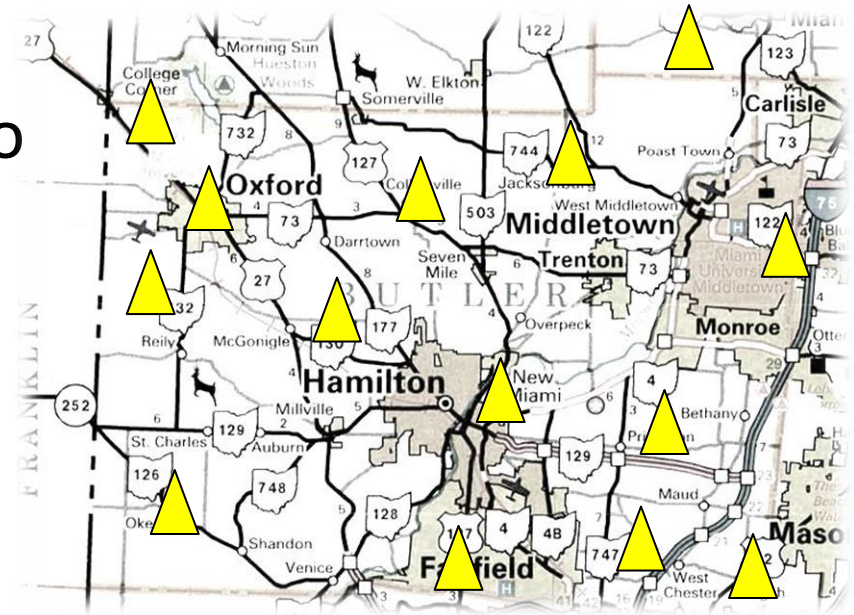
# The Radio System



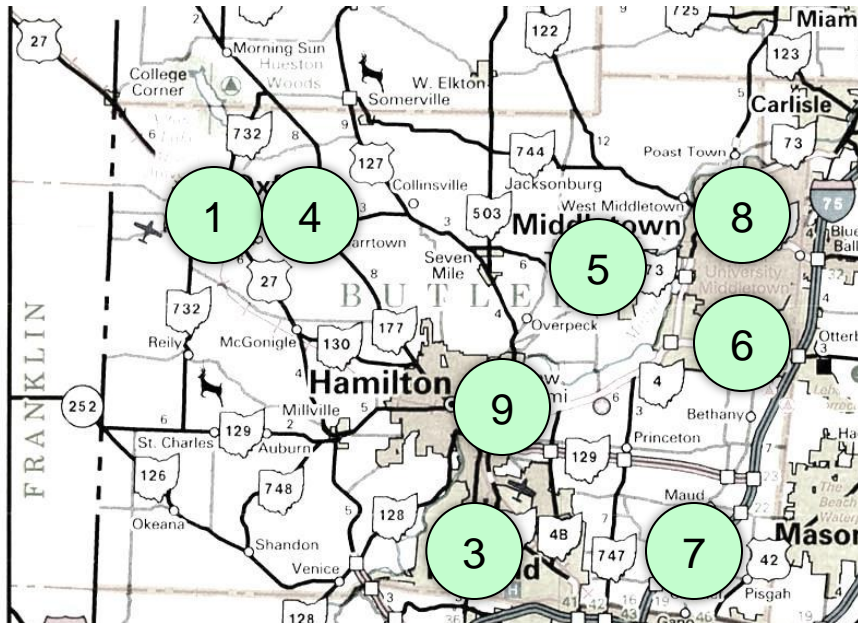
- A fourteen tower system provides in-building portable radio coverage in and around Butler County



- Eight dispatch centers using consoles on the system



# The Dispatch Centers



- 1COM: Oxford
- 3COM: Fairfield
- 4COM: Miami University
- 5COM: Trenton
- 6COM: Monroe
- 7COM: West Chester
- 8COM: Middletown
- 9COM: Butler County
- 9HQ: Inquiry / Warrants

# Understanding the Numbers

Agency		Stations	Comm Center	Agency	Agency	Agency	Agency
College Corner	1	1COM Oxford	10 <b>OXFORD</b>	100 <b>ROSS TWP</b>	200 <b>ST. CLAIR TWP FIRE</b>		
Fairfield	3		Station 11	Station 101	Station 201		
Fairfield Twp	2			Station 102			
Hamilton	6	2COM Hamilton	20 <b>HAMILTON</b>		210 <b>FAIRFIELD TWP</b>		
Hanover	1		Station 21	110 <b>LIBERTY TWP</b>	Station 211		
Liberty	3		Station 22	Station 111	Station 212		
Madison	3		Station 24	Station 112			
Miami Univ EMS	0		Station 25	Station 113	220 <b>NEW MIAMI</b>		
Middletown	5		Station 26		Station 221		
Milford	2		Station 27	120 <b>WAYNE TWP</b>	230 <b>ST. CLAIR TWP EMS</b>		
Monroe	2			Station 121	Station 231		
Morgan	2	3COM Fairfield	30 <b>FAIRFIELD</b>		240 <b>MIAMI UNIVERSITY EMS</b>		
New Miami	1		Station 31	130 <b>REILY TWP</b>			
Oxford	1		Station 32	Station 131			
Reily	2		Station 33	Station 132			
Ross	2						
Seven Mile	1	4COM Miami University	40 <b>COLLEGE CORNER</b>	140 <b>MORGAN TWP</b>			
Somerville	1		Station 41	Station 141			
St. Clair	2			Station 142			
Trenton	2	5COM Trenton	50 <b>TRENTON</b>	150 <b>MADISON</b>			
Wayne	1		Station 51	Station 151			
West Chester	5		Station 52	Station 152			
Total	48			Station 153			
		6COM Monroe	60 <b>MONROE</b>	160 <b>MILFORD TWP</b>			
			Station 61	Station 161			
			Station 62	Station 162			
		7COM West Chester	70 <b>WEST CHESTER</b>				
			Station 71	170 <b>SEVEN MILE</b>			
			Station 72	Station 171			
			Station 73				
			Station 74	180 <b>HANOVER TWP</b>			
			Station 75	Station 181			
		8COM Middletown	80 <b>MIDDLETOWN</b>	190 <b>SOMERVILLE</b>			
			Station 81	Station 191			
			Station 82				
			Station 83				
			Station 84				
			Station 85				
		9COM Butler County SO					

Dec-08

- PSAPs match the fire agency and station numbering
- Engine 61 is dispatched by 6COM (Monroe)
- Some of the LE agencies match, too (like Fairfield Township as 21, Ross as 10, and Seven Mile as 17)



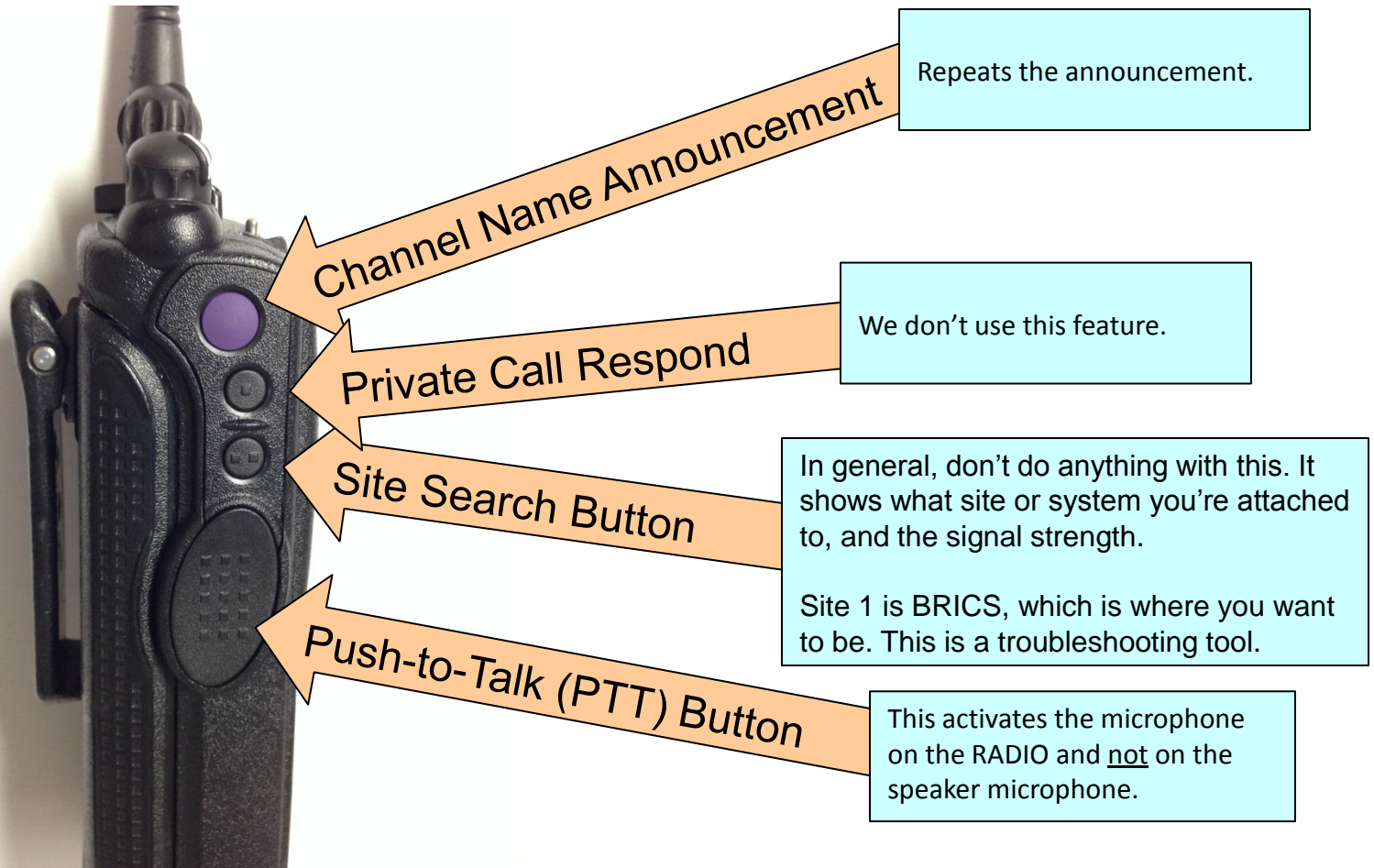
# Radio Controls Review



# Radio Controls - Front



# Radio Controls Review



# Changing Zones

- Use the A-B-C switch, or:
  - Press ZONE
  - Zone letter on screen begins flashing
  - Press right or left arrows until you reach the desired zone
  - Press the home button to lock in the zone
  - Turn the channel knob to find your channel





# Example Radio Template

Butler County (BRICS)						
	Zone A	Zone B	Zone C	Zone F	Zone M2	Zone V
1	09 ER TALK	09 EVNT 01	09 HELP	09 INFO	XLECOM1	7 CALL 50
2	09 ATRIUM	09 EVNT 02	09 TALK	09-1F MAIN	XLECOM2	7 CALL 50D
3	09 BETH BC	09 EVNT 03		09-3F MAIN	XLECOM3	7 TAC 51
4	09 FRT HAM	09 EVNT 04		09-5F MAIN	XLECOM4	7 TAC 51D
5	09 LIB CHLD	09 MA 05		09-6F MAIN	XLECOM5	7 TAC 52
6	09 MERCYFF	09 MA 06		09-7F MAIN	XLECOM6	7 TAC 52D
7	09 MCHYDE	09 MA 07		09-8F MAIN	XLECOM7	7 TAC 53
8	09 WCHOSP	09 MA 08		09-9 ALPHA	XLECOM8	7 TAC 53D
9	09 HOSP 09	09 MA 09		09-9 BRAVO	XLECOM9	7 TAC 54
10	09 HOSP 10	09 MA 10			XLECOM10	7 TAC 54D
11	09 HOSP 11	09 MA 11			XLECOM11	
12	09 HOSP 12	09 MA 12	8 TAC 94D		XLECOM12	8 TAC 94
13	09 HOSP 13	09 MA 13	8 TAC 93D		XLECOM13	8 TAC 93
14	09 ER SEC	09 MA 14	8 TAC 92D		XLECOM14	8 TAC 92
15	09 ER ANNC	09 MA 15	8 TAC 91D		XLECOM15	8 TAC 91
16	09 HELP	09 MA 16	8 CALL 90		XLECOM16	8 CALL 90

Talkgroup	Emergency Revert Talkgroup (per system)
Talkgroup	Clear Talkgroup
Talkgroup	Secure Talkgroup
Talkgroup	Receive-Only Talkgroup
Talkgroup	Conventional National Mutual Aid Channels
Talkgroup	Announcement TG / Multigroup
Channel	Conventional Channel
Talkgroup	Temporary Transition Talkgroups

# A Public Safety (Police, Fire, EMS) Template

Butler County (BRICS) linked with MARCS-IP							Hamilton County / Cincinnati System					Mont. Co.	Warren Co (on MARCS-IP)		MARCS (old)	
Zone A	Zone B	Zone C	Zone D	Zone E	Zone F	Zone G	Zone H1	Zone H2	Zone H3	Zone H4	Zone H5	Zone K	Zone L1	Zone L2	Zone M	
Name	Name	Name	Name	Name	Name	Name	Zone H1	Zone H2	Zone H3	Zone H4	Zone H5	Zone K	Zone L1	Zone L2	Zone M	
1	09-9 ZULU	09 EVNT 01	09 CALL	09 EVNT 01	09 ER TALK	09-1F MAIN	09-1L MAIN	HC AW 1	HC AW 17	HC MA 1	HC MA 17	CMA 1	57SO NORTH	83PD PRIM1	83XFD PRIM	LECOMM1
2	09-9L INQR	09 EVNT 02	09 TALK	09 EVNT 02	09 ATRIUM	09-3F MAIN	09-3L MAIN	HC AW 2	HC AW 18	HC MA 2	HC MA 18	CMA 2	57SO SOUTH	83PD PRIM2	83XNIMS	LECOMM2
3	09-9L OPS3	09 EVNT 03	09-9 TRVL	09 EVNT 03	09 BETH BC	09-5F MAIN	09-4L MAIN	HC AW 3	HC AW 19	HC MA 3	HC MA 19	CMA 3	57SO TAC 1	83 XHAIL	83 XHAIL	LECOMM3
4	09-9P OPS4	09 EVNT 04		09 EVNT 04	09 FRT HAM	09-6F MAIN	09-5L MAIN	HC AW 4	HC AW 20	HC MA 4	HC MA 20	CMA 4	57SO TAC 2	83 XNIMS	83 XNIMS	LECOMM4
5	09 LAW 05	09 TAC 05	09 GSC CTL	09 MA 05	09 LIB CHL	09-7F MAIN	09-6L MAIN	HC AW 5	HC AW 21	HC MA 5	HC MA 21	CMA 5	57SO TAC 3	83XTAC 2	83XTAC 12	LECOMM5
6	09 LAW 06	09 TAC 06	09 GSC 06	09 MA 06	09 MCHYDE	09-8F MAIN	09-7L MAIN	HC AW 6	HC AW 22	HC MA 6	HC MA 22	CMA 6	57SO TAC 4	83XTAC 3	83XTAC 13	LECOMM6
7	09 LAW 07	09 TAC 07	09 BCJ CTL	09 MA 07	09 MERCYFF	09-9 ALPHA	09-8L MAIN	HC AW 7	HC AW 23	HC MA 7	HC MA 23	CMA 7	57 REGNL	83XTAC 4	83XTAC 14	LECOMM7
8	09 LAW 08	09 TAC 08	09 BCJ OPS	09 MA 08	09 WCHOSP	09-9 BRAVO	09-9 ECHO	HC AW 8	HC AW 24	HC MA 8	HC MA 24	CMA 8	57 EVENTS	83XTAC 5	83XTAC 15	LECOMM8
9	09 LAW 09	09 TAC 09	09-9 ECHO	09 MA 09	09 HOSP 09		09-9 TANGO	HC AW 9	HC AW 25	HC MA 9	HC MA 25	CMA 9	57 LE 1	83XTAC 6	83XTAC 16	HELPDESK
10	09 LAW 10	09 TAC 10	09-9 TANGO	09 MA 10	09 HOSP 10		09-9 ZULU	HC AW 10	HC AW 26	HC MA 10	HC MA 26	CMA 10	57 LE 2	83XTAC 7	83XTAC 17	OH SO-09
11	09 LAW 11	09 TAC 11	09 J-CALL	09 MA 11	09 HOSP 11	09 FD INFO	09 LE INFO	HC AW 11		HC MA 11		CMA 11	57 LE 3	83XTAC 8	83XTAC 18	
12	09 LAW 12	09 TAC 12	8 TAC 94D	09 MA 12	09 HOSP 12	8 TAC 94	8 TAC 94	HC AW 12		HC MA 12	HC 4	CMA 12	57 LE 4	83XTAC 9	83XTAC 19	
13	09 LAW 13	09 TAC 13	8 TAC 93D	09 MA 13	09 HOSP 13	8 TAC 93	8 TAC 93	HC AW 13		HC MA 13	HC 3	CMA 13	57 I OP 1	83XTAC 10	83XTAC 20	
14	09 LAW 14	09 TAC 14	8 TAC 92D	09 MA 14	09 ER SEC	8 TAC 92	8 TAC 92	HC AW 14	HC LE EAST	HC MA 14	HC 2	CMA 14	57 I OP 2	83XTAC 11	83XTAC 21	
15	09 LAW 15	09 TAC 15	8 TAC 91D	09 MA 15	09 ER ANNC	8 TAC 91	8 TAC 91	HC AW 15	HC LE CENT	HC MA 15	HC 1	CMA 15	57 I OP 3	83PD PRIM2	83PD PRIM2	
16	09 LAW 16	09 TAC 16	8 CALL 90	09 MA 16	09 HELP	8 CALL 90	8 CALL 90	HC AW 16	HC LE WEST	HC MA 16	HC CALL	CMA 16	57 I OP 4	83PD PRIM1	83PD PRIM1	

State-Wide Interoperability Talkgroups (on MARCS-IP System)									MARCS TOW	700MHz Conventional				Covert	
Zone M0	Zone M1	Zone M2	Zone M3	Zone M4	Zone M5	Zone M6	Zone M7	Zone M8	Zone M9	Zone V	Zone W	Zone X	Zone Y	Zone Z	
Name	Name	Name	Name	Name	Name	Name	Name	Name	Name	Name	Name	Name	Name	Name	
1	XMA TAC 1	XMA TAC 15	XLECOM1	XMARCS1	XMCALL1	XECOMM13	XEMACOC	XLF-TAC	XSO-NW	XSCOMM7	7 CALL 50	7 MOB 59	7 CALL 70	7 MOB 79	09-9 ZULU
2	XMA TAC 2	XMA TAC 16	XLECOM2	XMARCS2	XMCOMM1	XECOMM14	XEMACONE	XPTNOPS	XSO-NE	XSCOMM8	7 CALL 50D	7 MOB 59D	7 CALL 70D	7 MOB 79D	09-9L INQR
3	XMA TAC 3	XMA TAC 17	XLECOM3	XMARCS3	XMCALL2	XECOMM15	XEMACONW	XCC-AIR	XSO-SE	XSCOMM9	7 TAC 51	7 LAW 61	7 TAC 71	7 LAW 81	09-9L OPS3
4	XMA TAC 4	XMA TAC 18	XLECOM4	XMARCS4	XMCOMM2	XECOMM16	XEMACOSE	XMEDFLT	XSO-SW	XSCOMM10	7 TAC 51D	7 LAW 61D	7 TAC 71D	7 LAW 81D	09-9P OPS4
5	XMA TAC 5	XMA TAC 19	XLECOM5	XMARCS5	XMCALL3	XECOMM17	XEMACOSW	XMETROLZ	XSO-CEN	XSCOMM11	7 TAC 52	7 LAW 62	7 TAC 72	7 LAW 82	09 CVRT 05
6	XMA TAC 6	XMA TAC 20	XLECOM6	XMARCS6	XMCOMM3	XECOMM18	XSFH-HQ	XMETRFCO	XSO-01	XSCOMM12	7 TAC 52D	7 LAW 62D	7 TAC 72D	7 LAW 82D	09 CVRT 06
7	XMA TAC 7	XMA TAC 21	XLECOM7	XMARCS7	XMCALL4	XECOMM19	XSFH-OP1	XCAREFLT	XSO-08		7 TAC 53	7 FIRE 63	7 TAC 73	7 FIRE 83	09 CVRT 07
8	XMA TAC 8	XMA TAC 22	XLECOM8	XMARCS8	XMCOMM4	XECOMM20	XSFH-OP2	XAIREVAC	XSO-09		7 TAC 53D	7 FIRE 63D	7 TAC 73D	7 FIRE 83D	09 CVRT 08
9	XMA TAC 9	XMA TAC 23	XLECOM9	XMARCS9	XECOMM7	XECOMM21	XSFH-OP3	8 TAC 92D	XSO-13		7 TAC 54	7 FIRE 64	7 TAC 74	7 FIRE 84	09 CVRT 09
10	XMA TAC 10	XMA TAC 24	XLECOM10	XMARCS10	XECOMM8	XECOMM22	XSFH-OP4	8 TAC 94D	XSO-14		7 TAC 54D	7 FIRE 64D	7 TAC 74D	7 FIRE 84D	09 CVRT 10
11	XMA TAC 11	XMA TAC 25	XLECOM11	XMARCS11	XECOMM9	XECOMM23	XSFH-OP5		XSO-29		7 TAC 55	7 MED 65	7 TAC 75	7 MED 86	09 CVRT 11
12	XMA TAC 12	XMA TAC 26	XLECOM12	XMARCS12	XECOMM10	XECOMM24	XOFC-1		XSO-31		7 TAC 55D	7 MED 65D	7 TAC 75D	7 MED 86D	09 CVRT 12
13	XMA TAC 13	XMA TAC 27	XLECOM13	XMARCS13	XECOMM11	XECOMM25	XOFC-2		XSO-36		7 TAC 56	7 MED 66	7 TAC 76	7 MED 87	
14	XMA TAC 14	XMA TAC 28	XLECOM14	XMARCS14	XECOMM12	XECOMM26	XOSFA-1		XSO-57		7 TAC 56D	7 MED 66D	7 TAC 76D	7 MED 87D	
15	XMA MYDY 1	XMA MYDY 3	XLECOM15	MARCRPT1		XECOMM27			XSO-68		7 GTAC 57	7 DATA 69	7 GTAC 77	7 DATA 89	
16	XMA MYDY 2	XMA MYDY 4	XLECOM16	MARCRPT2		XECOMM28			XSO-83		7 GTAC 57D	7 DATA 69D	7 GTAC 77D	7 DATA 89D	



# Calling a 911 Dispatch Center

- 09 HELP talkgroup reaches any of the eight public safety dispatch centers in Butler County
- It is located in two places
  - the bottom of your zone A (Zone A- 16)
  - the top of zone C (Zone C – 1)
- Plain language is OK
  - “McCullough Hyde to Oxford dispatch center on 09 HELP”

# Zone A

- Each hospital has a talkgroup
- **ER TALK** and **ER SEC** are encrypted
- **ER ANNC** is used to make an announcement to all hospitals (can not talk back and forth on this channel)
- **09 HOSP** talkgroups are spares and can be used as needed

	Zone A
1	09 ER TALK
2	09 ATRIUM
3	09 BETH BC
4	09 FRT HAM
5	09 LIB CHLD
6	09 MERCYFF
7	09 MCHYDE
8	09 WCHOSP
9	09 HOSP 09
10	09 HOSP 10
11	09 HOSP 11
12	09 HOSP 12
13	09 HOSP 13
14	09 ER SEC
15	09 ER ANNC
16	09 HELP

# Incidents, Storms, EOC



Adjacent

Encrypted

- Zone B – Channels 1 through 4
  - The Event Talkgroups
- Zone B – Channels 5 through 16
  - The Mutual Aid Talkgroups
- These will be assigned for an event by a dispatch center and shared with you by EMA or public safety.

Zone B	
1	09 EVNT 01
2	09 EVNT 02
3	09 EVNT 03
4	09 EVNT 04
5	09 MA 05
6	09 MA 06
7	09 MA 07
8	09 MA 08
9	09 MA 09
10	09 MA 10
11	09 MA 11
12	09 MA 12
13	09 MA 13
14	09 MA 14
15	09 MA 15
16	09 MA 16

# Can I listen to public safety?

- Yes – by scanning
- Receive-only channels in Zone F can be added to scan list if desired

# FD at Other Dispatch Centers

## ■ Zone F

- All main FD dispatching talkgroups are in Zone F for scanning purposes

## ■ Name Examples

- 09-1F MAIN is 1COM Fire
- 09-5F MAIN is 5COM Fire
- 09-9 BRAVO is Hamilton FD
- 09-9 ALPHA is all others

	Name
1	09-1F MAIN
2	09-3F MAIN
3	09-5F MAIN
4	09-6F MAIN
5	09-7F MAIN
6	09-8F MAIN
7	09-9 ALPHA
8	09-9 BRAVO

- 1COM: Oxford
- 3COM: Fairfield
- 4COM: Miami University
- 5COM: Trenton
- 6COM: Monroe
- 7COM: West Chester
- 8COM: Middletown
- 9COM: Butler County

# Contact Us & Updates

- **Come see us:**  
BCSO Communications  
1810 Princeton Rd  
Hamilton, OH 45011  
M – F, 8A – 430P
- **Contact us:**  
513-785-1299  
radiohelp@butlersheriff.org
- **Website:**  
[brics.butlersheriff.org](http://brics.butlersheriff.org)
- **Facebook:**  
BRICS Radio and 911
- **Twitter:**  
@BRICSalerts