



**BUTLER REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM
800 MHz ADVISORY BOARD MEETING MINUTES**

March 26, 2015

LOCATION Butler County EOC

Meeting called to order by A/Chair Chief J. Detherage, Co-Chair at 1:30 PM.

<u>BOARD MEMBERS</u>	Sheriff's Office	Capt. M. Franke	P	Commissioners	Mr. D. Dixon	N	
	Engineer's	Mr. F. Stitsinger	N	Butler County Chiefs of Police Assn.	Chief M. Dickey	P	
	Butler County Fire Chief's Assn.	OPEN	P				
	Communications Representatives	West Chester Twp.	Manager D. Dick	P	Sheriff's Office	Lt. C. Schultheiss	P
		Hamilton	Capt. M. McManus	P	Oxford	Lt. J. Jones	N
		Middletown	Lt. L. Hood	P	Fairfield	Chief D. Bennett	N
		Trenton	Lt. D. Rosenfelder	P	Monroe	Lt. D. Chasteen	N

APPROVAL OF MINUTES Motion to accept the minutes from the meeting on January 22, 2015: 1st. D. Dick 2nd. M. McManus **PASSED**

BRICS SYSTEM UPDATES

- Capt. M. Franke
 - Powerpoint attached
 - The 7.15 upgrade is in progress. No issues so far. The Prime Site is being completed today. We are expecting to go to half channels as the system is upgraded this afternoon.
 - We have new interop users on the system. Blue Ash and Montgomery Fire Depts. Milford and Glendale FD's and UC PD will be coming on the system after the upgrade.
 - Statistics- 715,651 PTT's in February with 2945 users. These numbers are staying pretty consistent.
 - The FCC has recently approved our 5 additional channels. We are in the process of bringing them online.
 - Batteries Plus!: We are now purchasing our batteries from them. We are paying \$82 per battery which is \$2 cheaper than we were paying. You can purchase the batteries through us at \$82 or they will sell to your agency if you tell them it is part of the Butler County group purchase. You can use a Credit Card at the location, also.
 - Updates from the last meeting.
 - Emergency Alarm knockdown at other centers: Since we put the bulletin out and explained the issue we have not had any further problems reported.
 - Aux/IO Buttons: Mobilcomm continuing to work on the issue.
 - School Emergency Radios: BRICS and Mobilcomm are continuing to work with Motorola Engineers. They applied a fix a couple of weeks ago which did not correct the issue.
 - Emergency Buttons on Fire Subscribers: We will apply the .5 second change when we complete second touch fire programming.
 - Ohio Fire Code items: Vedra and Miller accompanied Chief Stumpf to the new mall on Cincinnati Dayton Rd. We found locations where there is questionable coverage. Chief Stumpf is meeting with the Developer to require further testing and fixes. Chief Detherage is working with the new Oxford building to ensure adequate coverage. Talawanda Schools have also agreed to fix coverage in the recently completed buildings. There are some coverage issues in Miami U buildings, but they are a challenge.

- Capt. Franke led the discussion on the 10 year plan that was requested by the Advisory Board.
- We are locked into the Motorola Service Contract until 2027, so we know the costs. The operational budget each year includes salaries, utilities etc.
- 2017: We need to start with subscriber replacements. We will replace subscriber radios in groups and move the turned in radios to other uses and keeping the older radios operational. All Public Safety Users will receive new radios when their time shows on the calendar. BRICS can only support around 400 new radios per year with the current staffing. We will replace all Public Safety Subscriber units over a 5 year period.
The microwave system is nearing its' End of Life. This connects all of sites together into a loop. This is a \$1.9M project to replace.
- 2018: We have to upgrade our radio system from Circuit Based to IP Based. We are required to do this before upgrading to 7.19 which is in 2019.
The network switches have a 5 year life expectancy so we put this in 2018.
VHF System replacement Phase 1. This is due to the end of life of the VHF system for fire alerting and weather sirens.
- 2019: Replace DC Power System. This is a total replacement of all of the "LEGO" Batteries at the sites. They have a 10 year life expectancy and are tested yearly. This is a \$2.3M project and we will have to do this every 10 years.
In 2019 we have a portable generator and overhauls of the generators at the sites. The generator will be used at the sites as the overhaul is completed and for emergencies if we lose a generator.
- 2022: convert 2 of our current channels to TDMA. This essentially splits 2 of the channels to carry simultaneous traffic. This is similar to the way cell carriers use their channels. This is a \$3.3M project.
- Chief Dickey asked if we are anticipating expansion. Capt. Franke; this is an unknown at this time.
- Capt Franke: Are we missing anything? Chief Dickey says this gives us a good start. We need to look at revenue also.
Chief Dickey asked if we could tie a data system into the scheme? Capt. Franke says we could put a LTE system up now. However, we currently have no funding for this.
D. Dick concurred this is a good start.
Capt. Franke states we need to plan instead of react. Explore possibilities and make recommendations.
M. Haverkos: Does MARCS have a 10 year plan? Capt. Franke, no not at this time.
- Capt. Franke led a discussion on placement of towers and maintenance.
- MARCS Updates: Capt. Franke reports we are Zone 4 on the MARCS system. Preble County is in the process of attaching to our Zone Controller. Montgomery County/ Dayton as well as Hamilton County/ Cincinnati will also be attaching to our Zone Controller. This will help in our interzone roaming. We could also decommission towers to have better coverage. MARCS will also assist in maintenance on our Zone Controller since they are attaching to ours.
- Chief Dickey asked that we prepare a projected revenue forecast for the May meeting. Capt. Franke will work to complete this.
- Chief Dickey asked if the local agencies will continue to purchase as a group. Capt Franke; yes it gives us better buying power on pricing.

SECRETARY UPDATES

- R. Miller, Secretary
 - I have finalized the list of board members. BCSO: Capt. Matt Franke, Butler County Commissioners, Mr. Don Dixon, Butler County Engineer's Office, Mr. Fred Stitsinger, Butler County Chief's of Police Assn/ Co-Chair, Chief Mike Dickey, Butler County Fire Chief's Assn/ Co-Chair: OPEN, Communications Representatives; West Chester Twp.: Manager Dennis Dick, Butler County Sheriff's Office: Lt. Carrie Schultheiss, City of Hamilton: Capt. Marc McManus, City of Oxford: Lt. John Jones, City of Middletown: Lt. Leanne Hood, City of Fairfield: Chief Don Bennett, City of Trenton: Lt. David Rosenfelder, City of Monroe: Lt. David Chasteen.



BRICS

**BUTLER REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM
800 MHz ADVISORY BOARD MEETING MINUTES**

Welcome to Lt. N. Fisher. Lt. Fisher is the new supervisor of the BRICS unit. Lt. Schultheiss continues as the Communications Center supervisor.

COMMITTEE REPORTS

- **PSAP, D. Dick**
 - No meeting last month.

- **FIRE COMMUNICATIONS, D. Dick**
 - Discussed policies and templates changes.
The oraganizational chart was provided and they are reviewing how the committee will work.
Chief Stumpf is now the chair and the next meeting is April 8th, 2PM at Station 111.

- **LE COMMUNICATIONS, Chief Dickey**
 - All good.

- **PLAIN LANGUAGE,**
 - No meeting

OLD BUSINESS

- None

NEW BUSINESS

- None

GOOD OF THE ORDER

- Chief Detherage reports we lost a Brother Firefighter in Cincinnati today. He fell into an elevator shaft. A second firefighter was burned pretty badly.
- The next meeting is May 28, 2015 at 1:30 PM

Adjournment - Motion by Chief Dickey to close the meeting at 3:05 PM.

Respectfully Submitted,

Richard A. Miller,
Secretary

Year	Item	Cost Estimate	Notes
2014	Motorola Service / Upgrade Contract	\$1,745,023	Contract Price
	Operational Budget	\$1,100,000	Non-Contracted Services, Utilities, Salaries, Etc.
	TOTAL	\$2,845,023	
2015	Motorola Service / Upgrade Contract	\$1,783,964	Contract Price
	Operational Budget	\$1,100,000	Non-Contracted Services, Utilities, Salaries, Etc.
	TOTAL	\$2,883,964	
2016	Motorola Service / Upgrade Contract	\$1,824,017	Contract Price
	Operational Budget	\$1,133,000	Non-Contracted Services, Utilities, Salaries, Etc.
	Radio Location Infrastructure	\$250,000	
TOTAL	\$3,207,017		
2017	Motorola Service / Upgrade Contract	\$1,639,002	Contract Price
	Operational Budget	\$1,166,990	Non-Contracted Services, Utilities, Salaries, Etc.
	Subscriber Purchase - Series 2, Group A	\$1,800,000	
	Microwave System Replacement	\$1,900,000	Current microwave system end-of-life
	Fire Station Alerting	\$400,000	
TOTAL	\$6,905,992		
2018	Motorola Service / Upgrade Contract	\$1,671,782	Contract Price
	Operational Budget	\$1,202,000	Non-Contracted Services, Utilities, Salaries, Etc.
	Subscriber Purchase - Series 2, Group B	\$1,800,000	
	IP Simulcast Conversion / Upgrade	\$2,500,000	Required before 2019 (7.19) upgrade
	Replace Networking Equipment	\$100,000	Product end of life / normal life-cycle replacement (5 years)
	VHF System Replacement - Phase 1	\$250,000	Current VHF infrastructure end-of-life
TOTAL	\$7,523,782		
2019	Motorola Service / Upgrade Contract	\$1,705,218	Contract Price
	Operational Budget	\$1,238,060	Non-Contracted Services, Utilities, Salaries, Etc.
	Subscriber Purchase - Series 2, Group C	\$1,800,000	
	Replace DC Battery Power Systems	\$2,300,000	Normal life-cycle replacement (10 years)
	Portable Generator / Transfer Switch Conversion	\$225,000	Purchase portable generator for fixed generator overhaul process
	Fixed Generator Overhaul (14 sites)	\$140,000	Overhaul radio tower generators at 14 sites (10 years)
TOTAL	\$7,408,278		
2020	Motorola Service / Upgrade Contract	\$1,739,322	Contract Price
	Operational Budget	\$1,275,201	Non-Contracted Services, Utilities, Salaries, Etc.
	Subscriber Purchase - Series 2, Group D	\$1,800,000	
TOTAL	\$4,814,523		
2021	Motorola Service / Upgrade Contract	\$1,774,109	Contract Price
	Operational Budget	\$1,313,458	Non-Contracted Services, Utilities, Salaries, Etc.
	Subscriber Purchase - Series 2, Group E	\$1,800,000	
TOTAL	\$4,887,567		
2022	Motorola Service / Upgrade Contract	\$1,809,591	Contract Price
	Operational Budget	\$1,352,861	Non-Contracted Services, Utilities, Salaries, Etc.
	Conversion of 2 channels to TDMA	\$3,300,000	Completion year depends on system loading demands
TOTAL	\$6,462,452		
2023	Motorola Service / Upgrade Contract	\$1,845,783	Contract Price
	Operational Budget	\$1,393,447	Non-Contracted Services, Utilities, Salaries, Etc.
	Replace Networking Equipment	\$100,000	Product end of life / normal life-cycle replacement
TOTAL	\$3,339,230		
2024	Motorola Service / Upgrade Contract	\$1,882,698	Contract Price
	Operational Budget	\$1,435,251	Non-Contracted Services, Utilities, Salaries, Etc.
TOTAL	\$3,317,949		
2025	Motorola Service / Upgrade Contract	\$1,920,352	Contract Price
	Operational Budget	\$1,478,308	Non-Contracted Services, Utilities, Salaries, Etc.
	Subscriber Purchase - Series 3, Group A	\$1,800,000	
TOTAL	\$5,198,660		
2026	Motorola Service / Upgrade Contract	\$1,958,759	Contract Price
	Operational Budget	\$1,522,657	Non-Contracted Services, Utilities, Salaries, Etc.
	Subscriber Purchase - Series 3, Group B	\$1,800,000	
TOTAL	\$5,281,416		
2027	Motorola Service / Upgrade Contract	\$1,997,935	Contract Price
	Operational Budget	\$1,568,337	Non-Contracted Services, Utilities, Salaries, Etc.
	Subscriber Purchase - Series 3, Group C	\$1,800,000	

Year	Item	Cost Estimate	Notes
	TOTAL	\$5,366,272	
2028	Motorola Service / Upgrade Contract	\$2,047,883	Estimated
	Operational Budget	\$1,615,387	Non-Contracted Services, Utilities, Salaries, Etc.
	Subscriber Purchase - Series 3, Group D	\$1,800,000	
	Replace Networking Equipment	\$100,000	Product end of life / normal life-cycle replacement
	TOTAL	\$5,563,270	
2029	Motorola Service / Upgrade Contract	\$2,099,080	Estimated
	Operational Budget	\$1,663,849	Non-Contracted Services, Utilities, Salaries, Etc.
	Subscriber Purchase - Series 3, Group E	\$1,800,000	
	Replace DC Battery Power Systems	\$2,300,000	Normal life-cycle replacement (10 years)
	Fixed Generator Overhaul (14 sites)	\$140,000	Overhaul radio tower generators at 14 sites (10 years)
TOTAL	\$7,862,929		
2030	Motorola Service / Upgrade Contract	\$2,151,557	Estimated
	Operational Budget	\$1,713,764	Non-Contracted Services, Utilities, Salaries, Etc.
	TOTAL	\$3,865,322	
2031	Motorola Service / Upgrade Contract	\$2,205,346	Estimated
	Operational Budget	\$1,765,177	Non-Contracted Services, Utilities, Salaries, Etc.
	TOTAL	\$3,970,523	
2032	Motorola Service / Upgrade Contract	\$2,260,480	Estimated
	Operational Budget	\$1,818,132	Non-Contracted Services, Utilities, Salaries, Etc.
	TOTAL	\$4,078,612	
2033	Motorola Service / Upgrade Contract	\$2,316,992	Estimated
	Operational Budget	\$1,872,676	Non-Contracted Services, Utilities, Salaries, Etc.
	Subscriber Purchase - Series 4, Group A	\$1,800,000	
	Replace Networking Equipment	\$100,000	Product end of life / normal life-cycle replacement
	TOTAL	\$6,089,668	
2034	Motorola Service / Upgrade Contract	\$2,374,917	Estimated
	Operational Budget	\$1,928,857	Non-Contracted Services, Utilities, Salaries, Etc.
	Subscriber Purchase - Series 4, Group B	\$1,800,000	
	TOTAL	\$6,103,774	

Butler County Sheriff's Office
Communications Division



BRICS

Butler Regional Interoperable
Communications System

800MHz Advisory Board
March 26, 2015



Update Agenda Items

- New Agencies & Users
- Statistics
- Meeting Minutes updates from January
- Capital Planning

New Agencies & Users

❑ Interoperability Users

- ❑ Blue Ash FD (67)
- ❑ Montgomery FD (40)

❑ Interoperability users below will be entered in April after the 7.15 upgrade

- ❑ Milford FD (19)
- ❑ UC PD (25)
- ❑ Glendale FD (38)

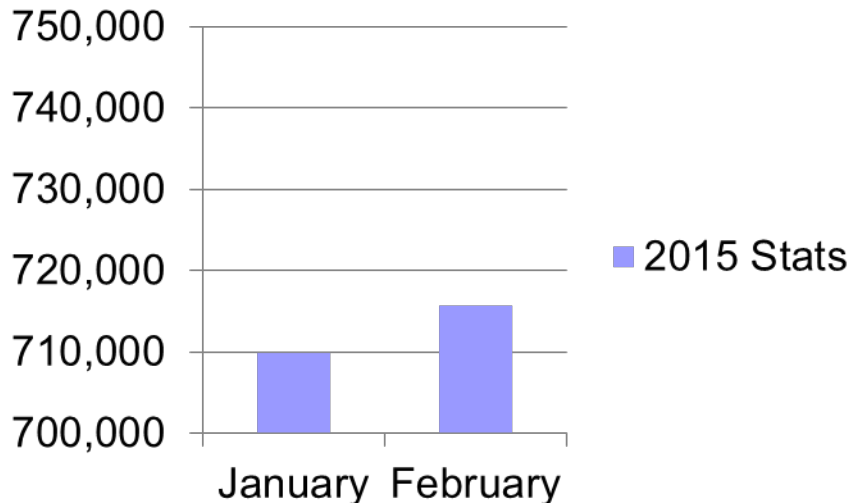
Statistics

2015 (Jan – Feb)

- **PTTs – 1,425,563**

Jan and Feb 2015	
Radio PTTs	
January	709,912
February	715,651

2015 Stats



- 2945 radio users (as of January, 2015)
 - 370 talkgroups (as of January, 2015)
 - 33 dispatch consoles at 8 dispatch sites
 - 15 channels
 - Repairs and Purchases
- 2015 – 116

Meeting Minutes Updates

- Emergency Alarm Knock Down by Other Centers
 - Issue has been discussed with other dispatch centers. We haven't had any issues since.
- Shared Status Buttons not Working Properly
 - Mobilcomm will continue working on the issue
- School Emergency Radios
 - BRICS is continuing to work with Motorola engineers
- Radio System Upgrade
 - The upgrade to 7.15 is in progress. Today between 2-5pm half of the channels will be available and a announcement will be made for only necessary traffic only
- Emergency button changes for fire templates
- Ohio Fire Code Radio Coverage

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Committee Reports

- PSAP Committee
- Fire Communications Committee
- Law Enf. Communications Committee
- Plain Language Committee

Meeting Schedule

- Schedule:

- January

- March

- May

- July

- September

- Next meeting

May 28th @ 1:30p