

M/A-COM RADIO MEETING

September 21, 2007

Milwaukee Fire Department

Chief Doug Holton
DC Michael Jones
DC Darrell Moore
BC Julio Rivera
BC Michael Romas
Capt Daniel Berendt
Capt John Pederson
Dispatcher Manager Heidi Mueller
Fire Eq. Repair Manager Bruce Rahlf

Milwaukee Police Department

Inspector Vincent Flores
Communication Systems Manager Samuel Steffan

M/A-COM Tyco Electronics

District Sales Manger Jim Anderson
Project Manager Paul Crowe

Budget Office

Agenda

↳ PERSON FROM DPW

- Overview
- Portables Radios
 1. Present location
 2. Back in Milwaukee
 3. Radio Shop Program Timeline
 4. Roll-Out to MFD
 5. Future Updates Considerations
- Mobil Radios
 1. Do the Mobiles need to return to Lynchburg, VA.
 2. Who will program MPD mobiles
 3. MPD install timeline
 4. MFD install timeline
- Out Source Considerations
 1. Macom – General Communication
 2. \$667 per apparatus ¾ day two technicians per install
 3. Citywide installer position (budget office)
- Accessories
 1. Present Status with accessories
 2. Accessories returned to Macom Status
- Additional Concerns or Comments

	PRO-1	PRO-2	PRO-3	PRO-4	PRO-5	PRO-6	PRO-7	PRO-8	PRO-9	PRO-10	PRO-11	PRO-12	PRO-13	PRO-14	PRO-15	PRO-16
CH-1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1
CH-2	DISP 2	DISP 2	DISP 2	DISP 2	DISP 2	DISP 2	DISP 2	DISP 2	DISP 2	DISP 2	DISP 2	DISP 2	DISP 2	P Base	ZONE A	ICALL
CH-3	FG 3	FG 3	FG 3	FG 3	FG 3	FG 3	FG 3	FG 3	FG 3	FG 3	FG 3	FG 3	FG 3	M Freq 2	ZONE B	ICALL D
CH-4	RIT 4	RIT 4	RIT 4	RIT 4	RIT 4	RIT 4	RIT 4	RIT 4	RIT 4	RIT 4	RIT 4	RIT 4	RIT 4	M Freq 3	ZONE C	ITAC 1
CH-5	EMS 5	EMS 5	EMS 5	EMS 5	EMS 5	EMS 5	EMS 5	EMS 5	EMS 5	EMS 5	EMS 5	EMS 5	EMS 5	M Freq 4	ZONE D	ITAC 1D
CH-6	STAG 6	STAG 6	STAG 6	STAG 6	STAG 6	STAG 6	STAG 6	STAG 6	STAG 6	STAG 6	STAG 6	STAG 6	STAG 6	M Freq 5	ZONE E	ITAC 2
CH-7	OPS 7	OPS 7	OPS 7	OPS 7	OPS 7	OPS 7	OPS 7	OPS 7	OPS 7	OPS 7	OPS 7	OPS 7	OPS 7	M Freq 6	-	ITAC 2D
CH-8	COM 8	COM 8	COM 8	COM 8	COM 8	COM 8	COM 8	COM 8	COM 8	COM 8	COM 8	COM 8	COM 8	M Freq 7	MPD 8	ITAC 3
CH-9	FG 9	FG 9	FG 9	FG 9	FG 9	FG 9	FG 9	FG 9	FG 9	FG 9	FG 9	FG 9	FG 9	M Freq 8	MPD 9	ITAC 3D
CH-10	DISP 10	DISP 10	DISP 10	DISP 10	DISP 10	DISP 10	DISP 10	DISP 10	DISP 10	DISP 10	DISP 10	DISP 10	DISP 10	M Freq 9	MPD 10	ITAC 4
CH-11	INC 11	INC 11	INC 11	INC 11	CH 10	Haz 11	EMS 11	Train 11	Train 11	-	-	-	-	MC EMS	MPD 11	ITAC 4D
CH-12	INC 12	INC 12	INC 12	INC 12	CH 16	Haz 12	EMS 12	Train 12	Train 12	-	-	-	-	-	IFERN	IFERN
CH-13	INC 13	INC 13	INC 13	INC 13	CH 21A	HURT 13	EMS 13	Train 13	Train 13	-	-	-	-	SHER 13	RED800	REDVHF
CH-14	INC 14	INC 14	INC 14	INC 14	CH 22	HURT 14	EMS 14	Train 14	Train 14	-	-	-	-	SHER 14	WHIT800	WHITVHF
CH-15	INC 15	INC 15	INC 15	INC 15	CH 23A	HURT 15	EMS 15	Train 15	Train 15	-	-	-	-	SHER 15	BLUE800	BLUEVHF
CH-16	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1	DISP 1

(Draft version only, 09-08-2007)

Analysis of the Time Frame for Installation of Mobile Radios in Milwaukee Fire Department Units. 9/12/07

Type of Apparatus	Number of Units	Costs
Engines	38	\$ 550.00
Trucks	17	Draft
Med Units	12	\$ 56,100.00
Battalion Chiefs	5	
Car 3	1	
ISO	1	Costs
Recall - B6,B7, C3A	3	\$ 667.00
Hurt, Dive, Haz Mat	3	
Reserve Engines	12	\$ 68,034.00
Reserve Ladders	6	
Reserve Med Units	4	
Total Mobile Installs	102	

Three different time frame analysis.

	Units Install per day.	Number of Days
1. One Apparatus per day	1	102
2. One and 1/2 Apparatus per day	1.5	68
3. Two Apparatus per day	2	51

Completion of Installations based on Absence Analysis Calendar and Starting Dates of October 1st and November 1st

Note these assumptions are made without knowing whether mobile radios need to return to Lynchburg for Code Installation.

Start Dates	October 1st	November 1st	Month	Days	10/1/2007	11/1/07
1. One Apparatus per day - Done Date	Feb 28 - 2008	November 1st	October	23	23	
2. 1.5 Apparatus per day-Done Date	Jan 8 - 2007	April 2 - 2008	November	20	43	20
3. Two Apparatus per day-Done Date	Dec 12 - 2007	Feb 12 - 2008	December	18	61	38
		Jan 17 - 2008	January	21	82	59
			February	21	103	80
			March	20	123	100
			April	22	145	122
			Total Days	145		

Note these assumptions are based on the availability of MFD reserve apparatus and any installation pace greater than one per day would require 2 switch overs of apparatus.

There are also a minimum of 25 Staff Vehicles and Special Equipment that need mobiles.
These vehicles will add two weeks to five weeks of installation time: and \$13,730-\$16,675 in costs.

This report was prepared by Captain Berendt - MFD - BIT 9/12/07