

**Michigan Public Safety Frequency Advisory Committee
Region 21 700 MHz Regional Planning Committee
Draft Agenda**

Thursday, March 24, 2011
10:00 a.m.
Clinton County Central Dispatch
St Johns, MI

- I. Call to Order
- II. Introductions
- III. Approval of Agenda
- IV. Approval of Minutes of the October 28, 2010 MPSFAC
- V. Applications
 - A. Old Applications
 - 1. None
 - B. New Applications
 - 1. Oakland County –Hazel Park
 - 2. MPSCS
 - a. Baldwin
 - b. Penobscot
 - c. Caro
 - d. Bay
 - e. Hillsdale
 - 3. ITAC 800 Repeater
 - 4. Other
- VI. 800 MHz Subcommittee Reports
 - A. Interoperable Communication Subcommittee
 - B. Engineering/Technical Subcommittee
 - C. Writing Subcommittee
 - D. Other
- VII. Old Business
 - A. Region 21 800 NPSPAC Plan Revision
 - B. Other
- VIII. New Business
 - A. Other
- IX. Next meeting Date
- X. Adjournment- Adjourn 800 MHz portion of meeting

- I. Call to Order of 700 MHz RPC
- II. Introductions
- III. Approval of Agenda
- IV. 700 MHz RPC Plan Update
 - A. Use of Low Power Interoperability Channel Pairs (Third Report and Order Docket 96-88)
 - B. Removal of "Interoperability Responsibilities" Section
 - C. Moving Channels Between Counties or Within Buffer Zones
 - D. Filing for Relief from Canadian TV Station Never Constructed
 - E. Elimination of Obsolete Appendices
 - F. Updated language for Plan
 - G. Other
- V. Old Business
 - A. Other
- VI. New Business
 - A. Other
- VII. Next meeting date
- VIII. Adjournment

MPSFAC
700 MHz Region 21 Regional Planning Committee
September 30, 2011
Frankenmuth, MI

Attendees

Keith Bradshaw – Chairperson
Patricia Coates – Secretary
Dan Robinson
Thomas Briggs
Michael Muskovin
Jim Fyvie
Rick Martin
Kasey Mlujeak
Mark Sandberg
Brent Williams
Kim Bradshaw
Catherine Henning
Karl Beckman
Rene Thomas
Rich Rybicki

Affiliation

MI APCO- Frequency Advisor/Macomb County
MI APCO/Oakland County
State of MI – DNR
MI Department of Transportation
MI APCO/Ottawa County
MI APCO/Clinton County
State of MI – MSP
State of MI – Corrections
State of MI – MPSCS
State of MI – Community Health
Macomb County- guest
State of MI – MPSCS
Motorola
Motorola
State of MI – MPSCS - retired

I. Call to order

The meeting was called to order by Mr. Bradshaw at 11:02 a.m.

II. Introductions

Members introduced themselves

III. Approval of Agenda

Motion by Williams, supported by Beckman, to approve the agenda as presented. Motion carried unanimously.

III. Approval of Minutes of the March 24, 2011 Region 21 700 MHz RPC

Motion by Beckman, supported by Williams, to approve. Motion carried unanimously.

IV. 700 MHz Region 21 RPC Plan Update

A. Use of Low Power Narrowband Channel Pairs (Third Report and Order Docket 96-88)

Discussion of the 2 Watt ERP twelve pairs dispersed in the Rules among public safety services for itinerant operation throughout the State. For use with the agencies' jurisdiction, the agencies must receive approval from the RPC. Will the Committee be setting parameters?

Mr. Beckman suggested these as the preferred channels for mobile repeaters. They are specifically identified as digital, but the Rules state that analog can be secondary.- the Rules do not identify them as on scene primary in analog mode. Unlike Tactical Channels, they are not specified. If it is designated in the Plan as such, analog repeaters can be allowed, but itinerant channels need to be licensed. Mr. Beckman will check the language in the Ohio Plan.

B. Moving Channels Between Counties

The Committee had previously agreed to a ten mile buffer zone, but this may not address all orphaned channels, especially within the Canadian region. Mr. Sandberg will send out suggested language.

- C. **Elimination of Obsolete Appendices**
Motion by Williams, supported by Beckman, to eliminate appendices I, K, O, Q, S, T and U, and to amend J. Motion carried unanimously.
- D. **Updated Plan Language**
Mr. Bradshaw will continue to send out updates.
- E. **Consistency with Region 21 NPSPAC Plan**
Mr. Fyvie asked whether both bands can be combined into one Plan, to simplify requirements for the applicant. Mr. Bradshaw will review the concept, but cautioned that loading might be an issue. The Committee concurred that common language to the extent possible under the Rules would be desirable. It was suggested that grade of service, rather than a hard number of units per channel, might be considered.
- F. **Writing Subcommittee**
Mr. Fyvie offered his secretary as na excellent resource for proofreading. **Old Business**

V. **Old Business**

- A. **Filing for Relief from Canadian TV Stations Never Constructed**
August 31, 2011 was supposed to be the date for Canadian television movement
- B. **Other**
No other old business

V. **New Business**

- A. No New Business.

VI. **Next Meeting Date**

The next meeting will be in Mid-January in Clinton County. Mr. Fyvie will check on room availability

VI. **Adjournment**

Motion by Beckman, supported by Williams, to adjourn. Meeting adjourned at 12:06 PM

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
March 24, 2011
St. Johns, MI

Member Attendance

Member	Affiliation	Present	Excused	Absent
Keith Bradshaw – Chairperson	MI APCO-Alt Frequency Advisor	X		
Dale Berry – Vice Chairperson	MI Association of Ambulances	X		
Patricia Coates – Secretary	MI APCO	X		
Dave Held	MI APCO _ Frequency Advisor		X	
Laura Peeples	MI Sheriff's Association			X
Dan Robinson	State of MI – DNR	X		
Thomas Briggs	MI Department of Transportation	X		
Lloyd Collins	MI Association of Chiefs of Police		X	
Mark Jongekrijg	MI APCO		X	
Jim Fyvie	MI APCO	X		
Dave Held	MI APCO		X	
Rick Martin	State of MI – MSP	X		
Kasey Mlujeak	State of MI – Corrections	X		
Bill Nelson	MI Association of Fire Chiefs	X		
Joe Turner	MI Municipal League		X	
Kathy Vosburg	MI Association of Counties		X	
Mark Sandburg	State of MI – MPSCS	X		
Dan Robinson	State of MI – MPSCS alternate	X		

Other Attendees

Brent Williams	State of MI – Community Health
Brian Aprill	State of MI – MPSCS
Karl Beckman	Motorola
Michael Whately	RF Systems

I. Call to Order

The meeting was called to order by Mr. Bradshaw at 10AM

II. Introductions

Attendees introduced themselves.

III. Approval of Agenda

Motion by Nelson, supported by Fyvie to add agenda items under New Business for correspondence for Dave Held and for recognition for former committee members, Collins, Held and Nowakowski and approve the agenda as amended. Motion carried unanimously.

IV. Approval of the Minutes of the August 26, 2010 meeting.

Motion by Mlujeak, supported by Fyvie, to amend the minutes to reflect Henning as the alternate MPSCS member, and approve the minutes as amended. Motion carrier unanimously.

V. Applications

A. Old Applications

1. **None**

B. New Applications

1. **Oakland County – Hazel Park**

Mr. Bradshaw explained that 774.3875 is allocated to Oakland and that Macomb has no issues, although the site is in their county. **Motion** by Robinson, supported by Sandburg, to approve. Motion carried unanimously, with Coates abstaining.

2. **State of Michigan- Baldwin**

Mr. Bradshaw recommended approval, explaining that the purpose of this application is to resolve a short spacing issue, as 868.850 was originally a Lake County frequency and 866.475 is a statewide channel. **Motion** by Nelson, supported by Mlujeak, to approve. Motion carried unanimously, with Sandburg abstaining.

3. **State of Michigan- Penobscot**

As part of the Twenty Five Cities initiative, ICALL/ITAC1 will move from the Plaza building at a higher ERP. **Motion** by Coates, supported by Briggs, to approve. Motion carried unanimously, with Sandburg abstaining.

4. **State of Michigan- Caro**

869.550 is clear, but the contours from 866.2375 which is co-channel with Oakland and the contours overlap with Oakland. Even through the channel is already in use in Tuscola, moving it to the MPSCS site changes the contours. **Motion** by Bradshaw, supported by Eyvie, to approve the application for 868.550 and table the application for 866.2376. Motion carried unanimously, with Sandburg abstaining.

5. **State of Michigan- Bay**

Application is for six frequencies, four of which are already in and allocated to Bay County, 1 to Ingham, and the last to both Jackson and Wayne. 866.30 is an adjacency issue with Clinton County's 866.2875. Mr. Sandburg stated that, should any interference with Clinton's proposed new site occur, the State will apply for a different frequency. **Motion** by Nelson, supported by Mlujeak, to approve. Motion carried unanimously, with Sandburg abstaining.

6. **State of Michigan – Hillsdale**

867.675 requested at Hillsdale to address a grade of service issue. There are contour overlaps with the MPSCS and with Washtenaw County, but the overlap occurs in Jackson County and not in the simulcast service area. Mr. Bradshaw recommends approval. **Motion** by Nelson, supported by berry, to approve. Motion carried unanimously with Sandburg abstaining.

7. **Other**

No other new applications

VI. Subcommittee Reports

A. Interoperable Communication Subcommittee

Chief Nelson recommended that the proposed changes to the 800 MHz plan also be included in the 700 MHz Plan. Mr. Bradshaw stated that the language is already included in the 800 MHz rewrite, but fears that any changes in the 700 MHz will be overridden by the State. Discussion was postponed until the 700 MHz RPC meeting.

B. Engineering/Technical Subcommittee

Discussion of the change of contours for NPSPAC only, being promoted nationally, requires a 60 dB contour for adjacent channels instead of 25. Mr. Bradshaw stated that APCO prefers to 25, and he would like to see the Region 21 Plan remain unchanged on this issue.

C. Writing Subcommittee

Mr. Bradshaw has submitted his proposed changes, but the sort needs to be redone per the FCC, as it is out of date. The submission form 2008 is still on hold until rebanding is complete.

VII. Old Business

A. 800 MHz Plan Revision

Discussed previously.

B. Rebanding

Mr. Fyvie stated that the Clinton County rebanding was at a standstill, and Sprint wants the County to identify and propose alternate frequencies.

C. Other

No other old business

VIII. New Business

A. Correspondence from Dave Held

Mr. Held submitted a formal resignation as Frequency Advisor due to poor health. Mr. Bradshaw has notified APCO that he will be filling in, but is also requesting names for an assistant. APCO will pay for the training for a new person. Mr. Bradshaw stated that application numbers are down, due to the economy.

B. Recognition of Former Committee Members

The Committee discussed methods to recognize the service of past members, **Motion** by Fyvie, supported by Nelson, to draft letters of appreciation for past member Lloyd Collins, Al Nowakowski, and Dave Held, and to ask the Michigan Chapter of APCO to fund an additional recognition for Dave Held, who served many years on his own time as a retiree, to include a plaque and dinner. Motion carried unanimously.

C. Other

No other new business

VIII. Next Meeting Date.

The next meeting will be at the call of the Chairperson.

IX. Adjournment

Motion by Berry, supported by Fyvie, to adjourn. Motion carried unanimously. The meeting was adjourned at 11:10 PM by Chairman Bradshaw.

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Friday, August 5, 2011
10:00 a.m.
Clinton County Central Dispatch
St Johns, MI

- I. Call to Order
- II. Introductions
- III. Approval of Agenda
- IV. Approval of Minutes of the March 24, 2011 meeting
- V. Applications
 - A. Old Applications
 - 1. Oakland County applications approved per email vote –affirmation
 - 2. Other
 - B. New Applications
 - 1. Wayne County Interop- Livonia NPSPAC
 - 2. Genesee County Simulcast
 - 3. Other

- VI. 800 MHz Subcommittee Reports
 - A. Interoperable Communication Subcommittee
 - B. Engineering/Technical Subcommittee
 - C. Writing Subcommittee
 - D. Other
- VII. Old Business
 - A. Region 21 800 NPSPAC Plan Revision
 - B. Other
- VIII. New Business
 - A. FCC/Canada agreement
 - B. Other
- IX. Next meeting Date
- X. Adjournment

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Friday, August 5, 2011
10:00 a.m.
Clinton County Central Dispatch
St Johns, MI

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 - 3. Other

- VI. 800 MHz Subcommittee Reports
 - A. Interoperable Communication Subcommittee
 - B. Engineering/Technical Subcommittee
 - C. Writing Subcommittee
 - D. Other
- VII. Old Business
 - A. Region 21 800 NPSPAC Plan Revision
 - B. Other
- VIII. New Business
 - A. FCC/Canada agreement
 - B. Other
- IX. Next meeting Date
- X. Adjournment

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
August 5, 2011
St. Johns, MI

Member Attendance

Member	Affiliation	Present	Excused	Absent
Keith Bradshaw – Chairperson	MI APCO- Frequency Advisor	X		
Dale Berry – Vice Chairperson	MI Association of Ambulances	X		
Patricia Coates – Secretary	MI APCO	X		
Dave Held	MI APCO-Retired Frequency Advisor		X	
Laura Peeples	MI Sheriff's Association			X
Dan Robinson	State of MI – DNR	X		
Thomas Briggs	MI Department of Transportation	X		
	MI Association of Chiefs of Police			X
Mark Jongekrijg	MI APCO		X	
Jim Fyvie	MI APCO	X		
Rick Martin	State of MI – MSP		X	
Kasey Mlujeak	State of MI – Corrections		X	
Bill Nelson	MI Association of Fire Chiefs	X		
Joe Turner	MI Municipal League		X	
Kathy Vosburg	MI Association of Counties		X	
Mark Sandberg	State of MI – MPSCS	X		
Dan Robinson	State of MI – MPSCS alternate		X	

Other Attendees

Brent Williams	State of MI – Community Health
Pat Kenealey	State of MI - MPSCS

I. Call to Order

The meeting was called to order by Mr. Bradshaw at 10:06 AM

II. Introductions

Attendees introduced themselves.

III. Approval of Agenda

Motion by Fyvie, supported by Briggs to add agenda items under New Business for Chairmanship of MPSFAC and to add for recognition for former committee members under Old Business, and approve the agenda as amended. Motion carried unanimously.

IV. Approval of the Minutes of the August 26, 2010 meeting.

Motion by Fyvie, supported by Sandberg, to amend the minutes to correct the spelling of Sandberg, and approve the minutes as amended. Motion carrier unanimously.

V. Applications

A. Old Applications

1. Oakland County 700 MHz applications

Motion by Fyvie, supported by Nelson, to reaffirm the approval of the Oakland County 700 MHz applications via electronic mail vote. Motion carried unanimously, with Coates abstaining.

2. **Other**
No other old applications

B. **New Applications**

1. **Wayne County Interop- Livonia NPSPAC**
Mr. Bradshaw explained that the application missed the time line for submission prior to the meeting. The application originally included both old and rebanded channels, but the intent is actually for old channels on new sites. **Motion** by Coates, supported by Briggs, to table the application until the next MPSFAC meeting as the applicant missed the deadline and committee members did not have time to review. Motion carried unanimously.
2. **Genesee County Simulcast**
Mr. Bradshaw explained that the application missed the time line for submission prior to the meeting. The requested channel, 867.8375 is allocated for Jackson County in the plan, and Mr. Bradshaw has been advised by the FCC that the Plan needs to be amended if allocated channels change. **Motion** by Briggs, supported by Nelson, to table to the next MPSFAC meeting as the applicant missed the deadline and committee members did not have time to review. Motion carried unanimously.
3. **Other**
No other new applications

VI. **Subcommittee Reports**

- A. **Interoperable Communication Subcommittee**
Chief Nelson distributed the old 700/800 Plans for interoperable channels, and a proposed hybrid for both [plans. The Chief reviewed with the committee the types of users, etc. Some of the language is similar to the Region 54 Plan, which would make all Regions of Michigan consistent. Chief Nelson requested that the committee review the document and send any suggested changes to his attention.
- B. **Engineering/Technical Subcommittee**
Mr. Sandberg stated that he is developing language to allow a jurisdiction to obtain a frequency outside its allotment if doing so will not impact the counties for which the frequency is reserved.
- C. **Writing Subcommittee**
No new report. Committee members are urged to review the language already submitted by Mr. Bradshaw as a starting point for future discussions.

VII. **Old Business**

- A. **800 MHz Plan Revision**
Discussed previously.

- B. **Other**
No other old business

VIII. New Business

- A. **FCC/Canada Agreement**
Discussed previously

- B. **Chairperson of MPSFAC**
Mr. Bradshaw advised the committee that a vendor representative, not a member of the committee, had expressed concern that Mr. Bradshaw is serving as both APCO Frequency Advisor and Chair of MPSFAC. **Motion** by Fyvie, supported by Sandberg, that the MPSFAC has discussed the issue and sees no conflict of interest in having the APCO Frequency Advisor serve as Chairperson of MPSFAC. Motion carried unanimously.

- C. **Other**
No other new business

VIII. Next Meeting Date.

The next meeting will be in conjunction with the MI APCO conference in Tustin. The Committee preferred Friday, but are available on Wednesday, depending on room availability at the conference.

IX. Adjournment

Motion by Briggs, supported by Nelson, to adjourn. Motion carried unanimously. The meeting was adjourned at 12:00 PM by Chairman Bradshaw.

Michigan Public Safety Frequency Advisory Committee Draft Agenda

SEPTEMBER 30, 2011
9:00 a.m. Friday, ~~August 5, 2011~~
Kettunen Center- Tustin,

- ✓ I. Call to Order *9:11 Am*
- ✓ II. Introductions
- ✓ III. Approval of Agenda
- ✓ IV. Approval of Minutes of the August 5, 2011 meeting
- V. Applications
 - ✓ A. Old Applications
 - ✓ 1. Wayne County Interop - Livonia
 - ✓ 2. Other
 - ✓ B. New Applications
 - ✓ 1. State of MI - Adrian- 867.0625
 - ✓ 2. State of MI- Genesee - Mutual Aid and TAC
 - ✓ 3. State of MI- Tuscola - 868.7625
 - ✓ 4. Clinton County Modification - 867.825
 - ✓ 5. State of MI - Sugar Island - 866.5500, 866.8625., 867.5626. 867.7125, 868.5750, 868.8250
 - ✓ 6. State of MI - Flint MTA
 - a. Genesee #1 - 867.4000
 - b. Portland Replacement - 867.1750
 - c. Genesee #2 - 866.4750
 - d. Elkton Replacement - 868.5875
 - e. Genesee # 3 -866.1750
 - f. Holly #1 - 867.8375 - *newsletter cur 866.350 -*
 - g. Holly #2 - ~~866.3500~~
 - ✓ 7. Other
- ✓ VI. 800 MHz Subcommittee Reports
 - ✓ A. Interoperable Communication Subcommittee
 - ✓ B. Engineering/Technical Subcommittee
 - ✓ C. Writing Subcommittee
 - D. Other
- ✓ VII. Old Business
 - A. Region 21 800 NPSPAC Plan Revision
 - B. Other
- ✓ VIII. New Business
 - A. Other
- IX. Next meeting Date *10/27/11 10 Am*
- X. Adjournment *10:41A*

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
September 30, 2011
Tustin, MI

Member Attendance

Member	Affiliation	Present	Excused	Absent
Keith Bradshaw – Chairperson	MI APCO- Frequency Advisor	X		
Dale Berry – Vice Chairperson	MI Association of Ambulances		X	
Patricia Coates – Secretary	MI APCO	X		
	MI APCO-Alternate Frequency Advisor			
Laura Peeples	MI Sheriff’s Association			X
Dan Robinson	State of MI – DNR	X		
Thomas Briggs	MI Department of Transportation	X		
	MI Association of Chiefs of Police			
Mark Jongekrijg	MI APCO		X	
Michael Muskovin	Alternate – MI APCO	X		
Jim Fyvie	MI APCO	X		
Rick Martin	State of MI – MSP	X		
Kasey Mlujeak	State of MI – Corrections		X	
Bill Nelson	MI Association of Fire Chiefs		X	
Joe Turner	MI Municipal League		X	
Kathy Vosburg	MI Association of Counties			X
Mark Sandberg	State of MI – MPSCS	X		

Other Attendees

Brent Williams	State of MI – Community Health
Kim Bradshaw	Macomb County- guest
Catherine Henning	State of MI – MPSCS
Karl Beckman	Motorola
Rene Thomas	Motorola
Rich Rybicki	State of MI – MPSCS - retired

I. Call to Order

The meeting was called to order by Mr. Bradshaw at 10:02 AM

II. Introductions

Attendees introduced themselves.

III. Approval of Agenda

Motion by Robinson, supported by Martin, to approve the agenda as drafted. Motion carried unanimously.

IV. Approval of the Minutes of the September 5, 2011 meeting.

Motion by Martin, supported by Robinson, to approve the minutes with corrections to the attendance as follows: Held is no longer a member, Robinson is listed twice and should be the

DNR representative. Additionally, "Chef" Nelson should be corrected to "Chief". Motion carrier unanimously.

V. Applications

A. Old Applications

1. Wayne County-Livonia

Mr. Bradshaw recommended approval, as the application meets the contours but was received too late for the last meeting. **Motion** by Coates, supported by Sandberg, to approve. Motion carried unanimously.

2. Other

No other old applications

B. New Applications

1. State of MI – Adrian – 867.0625

Mr. Sandberg explained that this is a single frequency at an existing site to address a grade of service issue. A different frequency at this site had already been approved by the Committee, but the application was rejected by the FCC due to power flux density issues at the Canadian border. Mr. Bradshaw asked if Ohio had been notified, and advised that he would do so, pending approval of the application. Motion by Coates, supported by Robinson, to approve the application. Motion carried unanimously with Sandberg abstaining.

2. State of MI – Genesee- Mutual Aid and TAC

Mr. Beckman questioned MPSFAC's authority to address this application, but Mr. Bradshaw confirmed it is the MPSFAC purview. Mr. Sandberg explained the need to fill in gaps in the already deployed TAC and Interop system.. Motion by Martin, supported by Briggs, to approve. Motion carried unanimously, with Sandberg abstaining.

3. State of MI- Tuscola- 868.7625

Mr. Sandburg reviewed the contours. **Motion** by Fyvie, supported by Coates, to approve. Motion carried unanimously, with Sandberg abstaining.

4. Clinton County Modification – 867.825

Mr. Williams explained that Clinton County is changing from a single site system to simulcast, with the addition of a site in the south west and one new channel. The application corrects inaccuracies with the existing Taft site, including HAAT, coordinates, emissions mask and lowering the ERP. Because of combiner issues, Clinton will actually be giving back two channels. Mr. Williams further explained that some of the adjacent channel contours for the new site appear to be very tight, but they are actually the same as what exists today for the Taft site, which is on the air and not causing any real world interference. Mr. Bradshaw suggested that the licensees of the adjacent channels exchange letters stating that they would work together to mitigate any interference, should it occur. **Motion** by Coates, supported by Sandberg, to approve. Motion carried unanimously, with Fyvie abstaining.

5. State of MI- Sugar Island – 866.500, 866.8625, 867.5626, 867.7125, 868.5750

Mr. Sandberg explained the need for a new site to serve the Border Patrol, with directional antennae pointing away from Canada. There are no co-channel or adjacent channel issues. **Motion** by Martin, supported by Fyvie, to approve. Motion carried unanimously, with Sandberg abstaining.

6. Flint MTA

Mr. Sandberg explained that the Flint Transit Authority will be joining the MPSCS, requiring additional channel at the Genesee sites as well as the Holly site to support the expected grade of service impact. To free enough frequencies, some channel need to be moved from Elkton and Portland, with replacement frequencies required.

a. **Genesee #1 – 867.4000, Genesee #2 – 866.4750, Genesee #3 – 866.1750**

Mr. Sandberg reviewed the issues of Canadian prime and the potential that some contours will overlap, but only with the MPSCS itself. **Motion** by Coates, supported by Martin, to approve. Motion carried unanimously, with Sandberg abstaining.

b. **Holly #1 – 867.8375, Holly #2 - 866.3500**

Mr. Sandberg explained that Holly #1 has some adjacency issues but no interference is expected. Ms. Coates expressed concerns with the proposed Holly #2 channel, as it is in use in Oakland County as a low power VRRS channel. Mr. Bradshaw confirmed that harmful interference would occur. **Motion** by Robinson, supported by martin, to approve 867.8375 at this site and to deny the application for 866.3500 at this site. Motion carried unanimously, with Sandberg abstaining.

c. **Elkton – 868.5875**

Mr. Sandberg stated there are no issues with this site. **Motion** by Coates, supported by Briggs, to approve. Motion carried unanimously, with Sandberg abstaining.

d. **Portland – 867.1750**

Mr. Sandberg explained that the only adjacent channel issues are within the MPSCS system itself. **Motion** by Robinson, supported by Briggs, to approve. Motion carried unanimously, with Sandberg abstaining.

7. **Other**

No other new applications

VI. Subcommittee Reports

A. Interoperable Communication Subcommittee

Mr. Bradshaw explained that Chief Nelson has done some work on 700 MHz that may be applicable to the 800 MHz plan.

B. Engineering/Technical Subcommittee

Mr. Sandberg is developing language to allow a jurisdiction to obtain a frequency outside its allotment if doing so will not impact the counties for which the frequency is reserved. A ten mile buffer zone was approved by consensus at the last meeting. Mr. Bradshaw expressed concerns about deviating from the sort and allowing licensing by counties other than those allocated with a particular frequency, since the plan must be amended with the FCC every time the sort is changed. CAPRAD should be added to the plan as the official repository for the most current sort. Mr. Beckman suggested a inquiry to the FCC about whether CAPRAD can be used in lieu of a hard sort, and whether or not using CAPRAD would lift the requirement to check with adjacent Regions on changes? Ms. Coates asked if changes to CAPRAD could include automatic notifications to those Regions, and was advised yes. Mr. Bradshaw and Mr. Beckman have been working on a list that shows the actual NPSPAC sort as it exists today. **Motion** by Martin, supported by Robinson, to send the NPSPAC sort of the

current allocation of licensed frequencies to CAPRAD, superseding all prior versions of the sort and frequency allocations, with adjacent Regions to be notified whenever the sort is updated. Motion carried unanimously.

C. Writing Subcommittee

Mr. Bradshaw asked the committee to consider what should be used in the case of competing applications, even though the Committee has never experienced one. Mr. Bradshaw would prefer to retain the matrix with the additions suggested by Chief Nelson and Mr. Williams. However, the "points" assigned in the matrix on page 34 of the current proposed plan do not add up mathematically, so Mr. Bradshaw will rework that page.

Mr. Fyvie asked if the State rebanded TAC channels are on the air, and was advised that they would be by the end of the year.

Mr. Fyvie expressed concern about the "service area" definition on pages 16 and 20 as the "boundary of the applicant's jurisdiction". Operational boundaries may be more applicable than jurisdictional boundaries, especially for fire and EMS which often have contractual relationships to provide service in adjacent counties. Ms. Coates concurred that the "functional" jurisdiction should be considered, and not just the geographical boundary when considering acceptable contours.

Mr. Bradshaw would also like to see the loading requirements changed from 100 mobiles per channel in keeping with the realities of newer technologies. The contours may also need to be adjusted, perhaps revisiting TSP 88.

Mr. Bradshaw also discussed the FCC's consideration of adding enforcement language into plans, in case licensees do not comply with their licensed restrictions.

Mr. Bradshaw stated that he has again asked several authorities for clarification of the Regional Committee's legal standing in the event of a lawsuit.

VII. Old Business

A. 800 MHz Plan Revision

Discussed previously.

B. Other

No other old business

VIII. New Business

A. Other

No other new business

VIII. Next Meeting Date.

The next meeting will be in conjunction with the MI APCO annual meeting in Frankenmuth on October 27, at 10 AM. Ms. Coates will coordinate a room with the APCO officers..

IX. Adjournment

Motion by Coates, supported by Fyvie, to adjourn. Motion carried unanimously. The meeting was adjourned at 1141 AM by Chairman Bradshaw.

Michigan Public Safety Frequency Advisory Committee Draft Agenda

10:00 a.m. Thursday, October 27, 2011
Zehnder's Restaurant, Frankenmuth, MI

✓ I. Call to Order 10:01 A

✓ II. Introductions

✓ III. Approval of Agenda

✓ IV. Approval of Minutes of the September 30, 2011 meeting

✓ V. Applications

✓ A. Old Applications

1. Other

✓ B. New Applications

1. State of MI – Lapeer County 14 Channel Simulcast
2. Other

✓ VI. 800 MHz Subcommittee Reports

✓ A. Interoperable Communication Subcommittee ~~NELSON~~

✓ B. Engineering/Technical Subcommittee ~~LOADING? WILLIAMS / BERKMAN~~

✓ C. Writing Subcommittee

- ✓ a. Language Consistency with 700 MHz plan
- ✓ b. Orphaned Channels/Deviation from Sort
- ✓ c. Coverage Area definition
- d. Other

✓ D. Other 700 Final Comments 12/15/2011

✓ VII. Old Business

A. Other

Final vote in January 12 in Clinton County

800 MHz + 700 MHz

✓ VIII. New Business

A. Other

✓ IX. Next meeting Date

X. Adjournment Briggs / Mel 11:40 pm

Michigan Public Safety Frequency Advisory Committee
 Meeting Minutes
 October 27, 2011
 Frankenmuth, MI

Member Attendance

Member	Affiliation	Present	Excused	Absent
Keith Bradshaw – Chairperson	MI APCO- Frequency Advisor	X		
Dale Berry – Vice Chairperson	MI Association of Ambulances		X	
Patricia Coates – Secretary	MI APCO	X		
	MI APCO-Alternate Frequency Advisor			
Laura Peeples	MI Sheriff's Association			X
Dan Robinson	State of MI – DNR	X		
Thomas Briggs	MI Department of Transportation	X		
	MI Association of Chiefs of Police			
Mark Jongekrijg	MI APCO	X		
Jim Fyvie	MI APCO	X		
Rick Martin	State of MI – MSP	X		
Kasey Mlujeak	State of MI – Corrections	X		
Bill Nelson	MI Association of Fire Chiefs		X	
Joe Turner	MI Municipal League		X	
Kathy Vosburg	MI Association of Counties		X	
Catherine Henning	State of MI – MPSCS	X		

Other Attendees

Brent Williams	State of MI – Community Health
Karl Beckman	Motorola

I. Call to Order

The meeting was called to order by Mr. Bradshaw at 10:01 AM

II. Introductions

Attendees introduced themselves.

III. Approval of Agenda

Motion by Mlujeak, supported by Briggs, to approve the agenda as drafted. Motion carried unanimously.

IV. Approval of the Minutes of the September 5, 2011 meeting.

Motion by Briggs, supported by Robinson, to approve the minutes with corrections to the attendance as follows: Peoples and Vosburg to be listed as excused, time meeting was called to order changes to 9:02. Motion carrier unanimously.

V. Applications

A. Old Applications

1. None

B. New Applications

1. State of MI – Lapeer County 14 Channel Simulcast

Ms. Henning explained that the application is now for only 13 frequencies, as it has been determined that 868.2375 will not work and is being dropped from the application. Mr. Bradshaw explained that 867.5376 also has contour overlap issues with Oakland County. Ms. Henning stated that the State would withdraw that frequency as well, and will reapply for two additional channels once they have been identified. **Motion** by Briggs, supported by Coates, to approve the application for the remaining twelve channels only. Motion carried unanimously, with Henning abstaining.

2. Washtenaw County Jail

Mr. Bradshaw explained that the application had arrived too late for review, and is on the agenda for discussion purposes only. The County submitted a different channel for consideration last year, and was directed by the Committee to reduce power, as the coverage area was not realistic. The revised application also has issues, since an outside antenna for in-building coverage is not logical. The application also states that it will support 300 mobiles, which seems unlikely within a jail. Lastly, Washtenaw is adjacent to itself and may cause interference – however, no contours were provided by the applicant.

3. Other

No other new applications

VI. Subcommittee Reports

A. Interoperable Communication Subcommittee

Mr. Bradshaw explained that the interoperable channels from both bands will need to appear in both the 800 and 700 MHz plans to encourage correct programming.

B. Engineering/Technical Subcommittee

Language regarding loading criteria is still being discussed among all the regions. 100 users per channel is not realistic with modern trunking technology; perhaps “talk path” would be a better term to use than channel. Mr. Fyvie expressed concern that exceptions should be made if grade of service is impacted. Perhaps 100 users per channel should be a “minimum”, since some applicants are still applying for conventional channels. Mr. Williams offered to draft some language

C. Writing Subcommittee

Mr. Bradshaw has submitted language to the Committee that is identical for both plans, with the exception of the contour requirements and the interoperable channels, and has added language that addresses the Canadian border region. The Committee is asked to review and send any comments to Mr. Bradshaw.

Mr. Bradshaw also discussed the “orphaned channel” concept and a definition of service area of ten miles plus 3 miles if jurisdictions overlap, for a total service area of thirteen miles outside of a “county-like area”. However, moving channels, even if orphaned, will require a plan amendment and add six months to the application process.

Mr. Bradshaw also requested input on this section by December 15th, for consideration at the January meeting.

The Committee also discussed the competing application matrix, as dispute resolution is required in the plan. It was the consensus of the Committee to retain the matrix.

VII. Old Business

A. **None**

VIII. New Business

A. **Other**

No other new business

VIII. Next Meeting Date.

The next meeting will be January 12, 2012 in Clinton County at 10 A.M. in conjunction with a 700 MHz RPC meeting immediately following. Mr. Fyvie will also check room availability for an alternate date in case of inclement weather.

IX. Adjournment

Motion by Briggs, supported by Mlujeak, to adjourn. Motion carried unanimously. The meeting was adjourned at 11:40 A.M. by Chairman Bradshaw.

As this is an annual event, the committee discussed issuing a perpetual letter, but reconsidered as sites and channels may change. **Motion** by Nelson, supported by Briggs, to approve the STA for 2015. Motion carried unanimously, with Sandberg abstaining.

2. **Other** - No other new applications

VI. Subcommittee Reports

A. **Interoperable Communication Subcommittee**
No report

B. **Engineering/Technical Subcommittee**
No report

C. **Plan Revision Standing Committee**
No Report

VII. Old Business

A. **Web Site**
No report

B. **Compilation of Minutes**
No update.

C. **Policy Book**
No report

D. **Other**
Letterhead needs to be updated

VIII. New Business

A. **Use of MEPSS for Local Repeater**

Mr. Bradshaw explained that the request came from a local radio shop. However Corrections still has it in their radios and it is still listed in the State Plan and FOG (Field Operations Guide) as the State VHF interoperability channel. **Motion** by Vosburg, supported by Nelson, to protect MEPSS as an interoperability channel, and to notify APCO and other coordinators. Motion carried unanimously. Discussion ensued regarding Inter City, 155.370 or "point-to-point", should still be protected as well. **Motion** by Vosburg, supported by Nelson, to protect Inter City as an interoperable channel. Motion carried unanimously. Following a table top exercise in mid-Michigan in which Inter City would have been useful, the committee suggested that PSAPs be advised to keep it licensed for at minimum a control station. Ms. Coates offered to reach out to the Michigan Communications Directors Association.

B. **Other** – no other new business

VIII. **Next Meeting Date.**

The next meeting will be July 9 at 10:00 a.m. at Ottawa County Central Dispatch in West Olive.

IX. **Adjournment**

Adjournment by consensus. Meeting was adjourned by Chairperson Bradshaw at 11:43 AM

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Thursday, January 21, 2010
12:00 p.m.

Detroit Emergency Communications Center
13331 Lyndon
Detroit, MI 48227

*The meeting will start immediately following the Michigan Chapter of APCO meeting and lunch
- start time is expected to be approximately noon*

- I. Call to Order 12:00 PM
- II. Introductions
- III. Approval of Agenda
- IV. Approval of Minutes of the November 19, 2009 meeting
- V. Applications

- A. Old Applications

- 1. None

- B. New Applications

- 2. Oakland County 700 MHz

- ✓ a. R2110028 CAPRAD # 001491 Farmington Hills
 - ✓ b. R2110029 CAPRAD #001494 Stony Creek
 - ✓ c. R2110030 CAPRAD #1495 Cass Lake Rd, Waterford *ERP 18 W, MO 35 W*
 - ✓ d. R2110031 CAPRAD #1493 Warren, Macomb Co *POOL CHANNEL ?*

- 2. MPSCS 800 MHz

- ✓ a. R2110032 868.6750MHz Bombay, Midland Co
 - ✓ b. R2110033 866.1250 MHz National City, Iosco Co.
 - ✓ c. R2110034 868.3500 MHz Beal City, Isabella Co
 - ✓ d. R2110035 868.3250 MHz Alpena, Presque Isle Co

- 3. Other

- VI. Subcommittee Reports

- A. Interoperable Communication Subcommittee

- ✓ follow up with Mike Goodland - can he write a letter to Governor re. MPSC channel naming

- B. Engineering/Technical Subcommittee
- C. Writing Subcommittee
- D. Other *REBANDING*

Brent, Mark, Bill

~~*Mike, ...*~~ *Das*

VI. Old Business

- A. Region 21 800 NPSPAC Plan Revision
- B. Other

VII. New Business

- A. Other

VIII. Next meeting date

IX. Adjournment

VII *I/O Comm's need what are they for what bands for state all bands.*

** We will put together an I/O plan.*

+ Who has base stations on I/O channels - they must be notified.

** Letter to DHS I/O experiment gets OK*

4/22/10 11:00 am

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
January 21, 2010
Detroit, MI

Member Attendance

Member	Affiliation	Present	Excused	Absent
Keith Bradshaw – Chairperson	MI APCO- Alt Frequency Advisor	X		
Dale Berry – Vice Chairperson	MI Association of Ambulances	X		
Patricia Coates – Secretary	MI APCO	X		
Laura Peeples	MI Sheriff's Association		X	
Dan Robinson	State of MI – DNR	X		
Thomas Briggs	MI Department of Transportation	X		
Lloyd Collins	MI Association of Chiefs of Police	X		
Mark Jongekrijg	MI APCO	X		
Jim Fyvie	MI APCO	X		
Dave Held	MI APCO - Frequency Advisor	X		
Pam Matelski	State of MI – MSP		X	
Mike Garland	State of M_ MSP (alternate)		X	
Kasey Mlujeak	State of MI – Corrections	X		
Bill Nelson	MI Association of Fire Chiefs	X		
Joe Turner	MI Municipal League		X	
Kathy Vosburg	MI Association of Counties	X		
Mark Sandburg	State of MI – MPSCS	X		

Other Attendees

Pat Kenealy	State of MI – MPSCS
Brent Williams	State of MI – Community Health
Michael Lochner	Harris RF
Eric Zolner	Harris RF
Ryan Currie	Harris RF
Steve Murphy	Oakland County Radio Communications
Michael Muskovin	Ottawa County
Jerry King	State of MI - Communications

I. Call to Order

The meeting was called to order by Mr. Bradshaw at 1:00 PM.

II. Introductions

Attendees introduced themselves.

III. Approval of Agenda

Motion by Fyvie, supported by Vosburg, to approve the agenda as written. Motion carried unanimously.

IV. Approval of the Minutes of the November 19, 2009.

Motion by Vosburg, supported by Berry, to approve the minutes as written. Motion carried unanimously.

V. Applications

A. Old Applications

1. None

B. New Applications

1. Oakland County 700 MHz Applications

- a. R2110028 CAPRAD 001491 Farmington Hills - Mr. Held stated that the application for Oakland County frequency 771.9875 is within the limits. **Motion** by Nelson, supported by Vosburg, to approve. Motion carried unanimously, with Coates abstaining.
- b. R2110029 CAPRAD 001494 Stony Creek -.Mr. Held stated that all curves are within Oakland County for 769.1125. **Motion** by Fyvie, supported by Vosburg, to approve. Motion carried unanimously, with Coates abstaining.
- c. R2110030 CAPRAD 1495 Cass Lake Rd – Mr. Held explained an error in the ERP of 18 instead of 5 and mobile at 35 instead of 18 for 772.8125, but recommended approval with those corrections. **Motion** by Berry, supported by Held, to approve. Motion carried unanimously, with Coates abstaining.
- d. R2110031 CAPRAD 1493 Warren, Macomb County – Mr. Held explained the contours are less than five miles into Macomb and that the frequency 772.8125 is a pool channel. **Motion** by Vosburg, supported by Held. Motion carried unanimously, with Coates abstaining.

2. MPSCS 800 MHz Applications

- a. R2110032 868.6750 MHz Bombay, Midland County – Mr. Held recommended approval upon correction of a HAAT discrepancy. **Motion** by Coates, supported by Nelson, to approve. Motion carried unanimously, with Sandburg abstaining.
- b. R2110033 866.1250 MHz National City, Iosco County – Mr. Held explained the frequency is an assigned Iosco County channel, and a discrepancy in HAAAT will be corrected. **Motion** by Jongekrijg, supported by Fyvie, to approve. Motion carried unanimously, with Sandburg abstaining.
- c. R2110035 868.3250 MHz Alpena, Presque Isle County – Mr. Held explained the needed HAAT correction and recommended approval. **Motion** by Nelson, supported by Jongekrijg, to approve. Motion carried unanimously, with Sandburg abstaining.

3. OTHER

No other new applications

VI. Subcommittee Reports

A. Interoperable Communication Subcommittee

The Committee discussed whether the Satae will assume the role of SIEC. In order to do so, they must first remove the responsibility from the RPC. Since there has been no decision from the State, and since the RPC is beginning to assign channels, the Committee should start an interoperability plan, even if it is later superseded by the SIEC. The Region 21 Plan does not mandate the build out of the 700 MHz interoperability infrastructure, but should be planning where it would go, if ever built. The

Committee needs input from other disciplines, such as 911 centers, tribal entities, etc
Mr. Bradshaw will follow up with Mike Garland on the State's intentions.

B. Engineering/Technical Subcommittee

No report

C. Writing Subcommittee

Mr. Bradshaw advised there has been no reply from the FCC on whether they will accept the body of the Plan without the frequency assignments. He asked the members to again review the revised Plan.

VII. Old Business

A. Rebanding

Mr. Kenealy advised that the MPSCS now plans to deal with the Interop channels first. The State has submitted a plan for back to back rebanding to Nextel. And has the frequency allotment. The Region 53 reports need to be shared.

B. Kent County Road Commission

Mr. Bradshaw stated that Kent County had been approved to continue the experiment with MEPSS

C. Other

Chief Nelson reminded the Committee of the need to discuss naming conventions. Mr. Bradshaw will assign to the Interoperable Communications subcommittee. Chief Nelson explained some of the issues Michigan MABAS is encountering, as they have been unable to use common PL tones as other states have done. But Michigan regions are doing things independent of each other. Naming conventions are different by regions. Motion by Berry, supported by Coates, that the RPC begin a Michigan Interoperable Communications model Plan (except for the 700 MHz section, which would have force of law and not be a model). Motion carried unanimously. The workgroup assigned to begin the Plan is Jongekrijg, Williams, and Robinson.

D. Other

No other old business

VIII. New Business

A. Other

No new business

IX. Next Meeting Date.

The next meeting will be April 22, 2010 in Ottawa County at 11 AM, to allow travel time..

X. Adjournment

Motion by Berry, supported by Sandburg, to adjourn. Motion carried unanimously. The meeting was adjourned at 2:15 PM by Chairman Bradshaw.

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Thursday, April 22, 2010

11:00 a.m.

Ottawa County Central Dispatch Authority
12101 Stanton Street
West Olive, MI 49460

- I. Call to Order
- II. Introductions
- III. Approval of Agenda
- IV. Approval of Minutes of the January 21, 2010 meeting
- V. Applications
 - A. Old Applications
 - 1. Oakland County 700 MHZ amendments
 - B. New Applications
 - 1. Washtenaw County Jail
 - 2. Oakland County 700 MHz - 8 Mile Rd
 - 3. State of Michigan – St Clair
 - 4. Other
- VI. Subcommittee Reports
 - A. Interoperable Communication Subcommittee
 - B. Engineering/Technical Subcommittee
 - C. Writing Subcommittee
 - D. Other
- VI. Old Business
 - A. Region 21 800 NPSPAC Plan Revision
 - B. Other
- VII. New Business
 - A. Other
- VIII. Next meeting date
- IX. Adjournment

Michigan Public Safety Frequency Advisory Committee
 Meeting Minutes
 April 22, 2010
 West Olive, MI

Member Attendance

Member	Affiliation	Present	Excused	Absent
Keith Bradshaw – Chairperson	MI APCO- Alt Frequency Advisor	X		
Dale Berry – Vice Chairperson	MI Association of Ambulances	X		
Patricia Coates – Secretary	MI APCO	X		
Laura Peeples	MI Sheriff’s Association		X	
Dan Robinson	State of MI – DNR	X		
Thomas Briggs	MI Department of Transportation	X		
Lloyd Collins	MI Association of Chiefs of Police		X	
Mark Jongekrijg	MI APCO	X		
Jim Fyvie	MI APCO		X	
Dave Held	MI APCO - Frequency Advisor	X		
Pam Matelski	State of MI – MSP		X	
Mike Garland	State of M_ MSP (alternate)		X	
Kasey Mlujeak	State of MI – Corrections		X	
Bill Nelson	MI Association of Fire Chiefs		X	
Joe Turner	MI Municipal League	X		
Kathy Vosburg	MI Association of Counties		X	
Mark Sandburg	State of MI – MPSCS	X		

Other Attendees

Brent Williams	State of MI – Community Health
Michael Lochner	Harris RF
Ryan Currie	Harris RF
Jerry King	State of MI - Communications
Catherine Leslie	State of MI – Communications

I. Call to Order

The meeting was called to order by Mr. Bradshaw at 11:09 AM

II. Introductions

Attendees introduced themselves.

III. Approval of Agenda

Motion by Jongekrijg, supported by Turner, to approve the agenda as written. Motion carried unanimously.

IV. Approval of the Minutes of the November 19, 2009.

Minutes were corrected to show Briggs as excused for the January meeting. **Motion** by Tuner, supported by Briggs, to approve the minutes as corrected written. Motion carried unanimously.

V. Applications

A. Old Applications

1. **Oakland County 700 MHz amendments**

Mr. Held explained that several of the frequencies approved by the Committee for Oakland County had in fact been rejected by the FCC, as the Canadian treaty is being renegotiated. Oakland County proposes changing only the frequencies – the contours and other parameters remain as previously approved:

- a. **West Bloomfield Site** – change frequency to 773.1625. **Motion** by Berry, supported by Turner to approve. Motion carried unanimously, with Coates abstaining.
- b. **Farmington Hills Site** – change frequency to 773.4625. **Motion** by Held, supported by Berry, to approve. Motion carried unanimously, with Coates abstaining
- c. **Southfield Site** – Held will correct emissions listed incorrectly on application. **Motion** by Turner, supported by Briggs, to approve. Motion carried unanimously, with Coates abstaining.

2. **Other**

No other old applications

B. **New Applications**

1. **Washtenaw County Jail**

Mr. Bradshaw explained that Washtenaw had applied for a NPSPAC frequency for a jail repeater, but the original frequency had conflicts, so Mr. Held had suggested substituting 866.3375. The application calls for a 6 meter antenna but 195 ERP. The Committee questioned the power level and the “0” azimuth for a one mile radius of operation. Contours indicated that the applicant would exceed the intended service area by many miles, well into surrounding counties. **Motion** by Berry, supported by Briggs, to table the application pending clarification of the intent and design. Motion carried unanimously. Mr. Bradshaw will contact the applicant.

2. **Oakland County 8 Mile Site (Weller Trucking)** – 774.1375 with a directional antenna.. **Motion** by Held, supported by Turner, to approve. Motion carried unanimously, with Coates abstaining

3. **State of Michigan – St Clair** – Mr. Sandburg explained that St Clair is adding two sites using existing frequencies from an existing four site simulcast system interfaced to the MPSCS. The two new sites are at St Clair and Capac. Motion by Turner, supported by Coates, to approve. Motion carried unanimously with Sandburg abstaining,

4. **Other**

No other new applications

VI. **Subcommittee Reports**

A. **Interoperable Communication Subcommittee**

Mr. Jongekrijg distributed a draft proposal for channel naming standards following the national plan. Mr. Sandburg stated that, as part of rebanding, the State will renaming TAC and Interop to follow the national naming conventions. Mr. Williams advises that the State med Com also utilizes national naming conventions. Mr. Jongekrijg would like

to add MABAS and NIMS to the document before final adoption. The Committee discussed the lack of a State SIEC, which leaves the responsibility to the RPC to develop a coherent and cohesive interoperability plan. Mr. Berry requested that a clear “purpose” statement be added to the document. Ms. Coates will distribute the document electronically to the entire Committee membership for continued discussion at the next meeting.

B. Engineering/Technical Subcommittee

No report

C. Writing Subcommittee

No Report

VII. Old Business

A. Region 21 Plan Revision

Mr. Bradshaw advised that the Region should have the new sort by June or July – the FCC has been delaying it due to Canadian negotiations. The revision will be discussed at the next meeting.

B. Other

No other old business

VIII. New Business

A. Renewal of STAs - The Committee considered an expeditious method for approving the renewal of STAs that have come before the Committee previously, and simply require a letter to be extended. This expeditious method would not include the conversion of an STA to a permanent license, but only the extension of an existing STA. **Motion** by Held, supported by Sandburg, that the Chair of MPSFAC be authorized to provide a concurrence letter without coming back to the Committee for the renewal of existing STAs in the 800 MHz band previously approved by the Committee, for which there have been no changes and for which there have been no interference complaints, during the rebanding period. Motion carried unanimously.

B. Tampa Meeting Update – Mr. Held updated the committee on the discussions at the Regional Coordinating Committee meeting in Tampa. The group discussed loading for 700 MHz channels and whether 100 units per channel makes sense. The group also discussed CAPRAD searches, modifications, the addition of a documents section, etc. and is encouraging the use of CAPRAD for 800 in addition to 700 applications. The group has obtained a grant and hired an administrator, which is APCO. Dave Funk, originally from the University of Colorado which developed CAPRAD, has also been hired to do training.

C. Other

No other new business

IX. Next Meeting Date.

The next meeting will be June 17, 2010 in Clinton County at 10 AM..

X. Adjournment

Motion by Coates, supported by Sandburg, to adjourn. Motion carried unanimously. The meeting was adjourned at 12:55 PM by Chairman Bradshaw.

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Thursday, June 17, 2010
10:00 a.m.
Clinton County Central Dispatch
St Johns, MI

- I. Call to Order *10:18 am*
- II. Introductions
- ✓ III. Approval of Agenda
- ✓ IV. Approval of Minutes of the April 22, 2010 meeting
- ✓ V. Applications
 - ✓ A. Old Applications
 - ✓ 1. Washtenaw County Jail *do letter to Dave Hultman
Dennis SDB - 3dB up
8km RA*
 - ✓ B. New Applications
 - ✓ 1. None

- ✓ VI. Subcommittee Reports
 - ✓ A. Interoperable Communication Subcommittee *MABAS - MI will use NPTSC NAMING*
 - ✓ B. Engineering/Technical Subcommittee
 - ✓ C. Writing Subcommittee
 - ✓ D. Other
- ✓ VI. Old Business
 - ✓ A. Region 21 800 NPSPAC Plan Revision
 - ✓ B. Other
- ✓ VII. New Business
 - ✓ A. Canadian Prime power reductions (Oakland County et al)
 - ✓ B. Continuation of STA WQLI409
 - ✓ C. Other
- VIII. Next meeting date *8/26/10 10:00 AM Clinton County*
- IX. Adjournment *11:35 AM*

*TA Rebanding Chart
Canadian Border Region 3 Post Reconfig*

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
June 17, 2010
St Johns, MI

Member Attendance

Member	Affiliation	Present	Excused	Absent
Keith Bradshaw – Chairperson	MI APCO- Alt Frequency Advisor	X		
Dale Berry – Vice Chairperson	MI Association of Ambulances	X		
Patricia Coates – Secretary	MI APCO	X		
Laura Peeples	MI Sheriff's Association			X
Dan Robinson	State of MI – DNR	X		
Thomas Briggs	MI Department of Transportation	X		
Lloyd Collins	MI Association of Chiefs of Police		X	
Mark Jongekrijg	MI APCO		X	
Jim Fyvie	MI APCO	X		
Dave Held	MI APCO - Frequency Advisor	X		
Pam Matelski	State of MI – MSP			X
Mike Garland	State of M_ MSP (alternate)		X	
Kasey Mlujeak	State of MI – Corrections	X		
Bill Nelson	MI Association of Fire Chiefs		X	
Joe Turner	MI Municipal League		X	
Kathy Vosburg	MI Association of Counties		X	
Mark Sandburg	State of MI – MPSCS	X		

Other Attendees

Brent Williams	State of MI – Community Health
Karl Beckman	Motorola
Pat Kenealy	State of MI – Communications
Mike Whately	RF Systems Inc

I. Call to Order

The meeting was called to order by Mr. Bradshaw at 10:18 AM

II. Introductions

Attendees introduced themselves.

III. Approval of Agenda

Motion by Mlujeak, supported by Berry, to approve the agenda as presented. Motion carried unanimously.

IV. Approval of the Minutes of the April 22, 2010 meeting.

Motion by Berry, supported by Held, to approve the minutes as written. Motion carried unanimously, with Fyvie abstaining.

V. Applications

A. Old Applications

1. Washtenaw County Jail

Mr. Bradshaw explained that the applicant has agreed to cut the requested power in half, change the antenna to a zero dB gain omni, and reduce the service area to an 8 kilometer radius. **Motion** by Berry, supported by Held, to approve the application as amended. Motion carried unanimously.

2. **Other**
No other old applications

B. New Applications

1. **None**

VI. Subcommittee Reports

A. Interoperable Communication Subcommittee

Mr. Held stated that he had emailed a copy of the previous interoperability plan to Mr. Jongekrijg and Mr. Bradshaw in order to determine if the newest plan is a replacement or simply an extension of the prior plan. There is the possibility that MABAS may nationally change to NPSTIC naming conventions, or utilize the Illinois model. Mr. Bradshaw advised that the MPSCS is "moving" toward a new committee structure, but in the absence of a formal SIEC, Region 21 should proceed with existing authority

B. Engineering/Technical Subcommittee

No report

C. Writing Subcommittee

Mr. Bradshaw will email the newest draft of the rewrite to the Committee. Channel allocation is still in process, but should be available by August. The FCC will not allow submission of the rewrite without the sort.

VII. Old Business

- A. **None**

VIII. New Business

- A. **Canadian Prime Reductions for Oakland County** – Ms. Coates and Mr. Whately explained the power reductions on three channels that Oakland County has been ordered by the FCC to make. - new rules restrict the power for sites close to the border above 153'AGL for the lower 35 and certain other channels. Mr. Whately explained that power flux density as interpreted by the FCC is free air space that does not account for terrain. The Committee suggested involvement by US elected officials, actual measurements at the river (although taking equipment across the border is an issue). The impact on rebanding was discussed, and the RPC may have to submit a letter to the TA stressing that Oakland needs legitimate public safety channels and not general business. Mr. Bradshaw also expects issues with the post-rebanding channels for Macomb County. They have already had to shut two channels off for Canadian issues, and will have three that are co-prime after rebanding.
- B. **Continuation of STA WQL1409** – The Macomb subsystem is up for renewal. Per the procedure approved at the April 22, 2010 meeting, the Chairman is authorized to submit the letter without coming back to the Committee.
- C. **Other**

No other new business

IX. Next Meeting Date.

The next meeting will be August 26, 2010 in Clinton County at 10 AM..

X. Adjournment

Motion by Coates, supported by Berry, to adjourn. Motion carried unanimously. The meeting was adjourned at 11:35 AM by Chairman Bradshaw.

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Thursday, August 26, 2010
10:00 a.m.
Clinton County Central Dispatch
St Johns, MI

- I. Call to Order *10:03 AM*
- II. Introductions
- ✓ III. Approval of Agenda
- ✓ IV. Approval of Minutes of the June 17, 2010 meeting
- ✓ V. Applications
 - ✓ A. Old Applications
 - 1. None
 - ✓ B. New Applications
 - ✓ 1. Oakland County 700 MHz *WANTS POOL? ✓ Birmingham ✓ West Bloomfield*
 - ✓ 2. Wayne County STA and permanent License
 - ✓ 3. Other

- VI. Subcommittee Reports
 - ✓ A. Interoperable Communication Subcommittee
 - ✓ B. Engineering/Technical Subcommittee *MOTO TURBO INTERFERENCE PAT KENEALY*
 - ✓ C. Writing Subcommittee *BRENT WILLIAMS*
 - D. Other *PAT COATES*
- ✓ VI. Old Business *MARK SANDBERG*
 - A. Region 21 800 NPSPAC Plan Revision ** CONTOURS? 5dB - KEEP*
 - B. Other ** LOADING? NEW NUMBERS FOR PLAN*
- ✓ VII. New Business ** DEMONSTRATE NEED*
 - ✓ A. Extension of Wave 4
 - ✓ ~~B. Other~~ *POOL @ 700 - 700 PLUS REWRITE SWAP CHANNELS BUT MAINTAIN ALLOTMENT. PAT TO PROPOSE LANGUAGE.*
- VIII. Next meeting date *10/29 @ FRANKENMUTH TEST 10AM THURSDAY*
- IX. Adjournment *11:51 AM*

NEED - WE SHOULD ASK APPLICANTS FOR MORE INFO. ON EVERY APP.
SORT OUTS CAPRAD?

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
August 26, 2010
St. Johns, MI

Member Attendance

Member	Affiliation	Present	Excused	Absent
Keith Bradshaw – Chairperson	MI APCO – Alt Frequency Adv	X		
Dale Berry – Vice Chairperson	MI Association of Ambulances	X		
Patricia Coates – Secretary	MI APCO	X		
Laura Peeples	MI Sheriff’s Association			X
Dan Robinson	State of MI – DNR	X		
Thomas Briggs	MI Department of Transportation	X		
Lloyd Collins	MI Association of Chiefs of Police		X	
Mark Jongekrijg	MI APCO		X	
Jim Fyvie	MI APCO	X		
Dave Held	MI APCO- Frequency Advisor	X		
Pam Matelski	State of MI – MSP			X
Mike Garland	State of MI – MSP <i>alternate</i>			X
Kasey Mlujeak	State of MI – Corrections	X		
Bill Nelson	MI Association of Fire Chiefs		X	
Joe Turner	MI Municipal League			X
Kathy Vosburg	MI Association of Counties		X	
Mark Sandburg	State of MI – MPSCS	X		

Other Attendees

Brent Williams	State of MI – Community Health
Catherine Henning	State of MI – MPSCS
Jerry King	State of MI – MPSCS
Karl Beckman	Motorola

I. Call to Order

The meeting was called to order by Chairman Bradshaw at 10:03 A.M.

II. Introductions

Attendees introduced themselves

III. Approval of Agenda

Motion by Fyvie, supported by Berry to approve the agenda as presented. Motion carried unanimously.

IV. Approval of Minutes of the June 17, 2010 meeting

Motion by Berry, supported by Robinson, to approve the minutes as written. Motion carried unanimously.

V. **Applications**

A. **Old Applications**

None

B. **New Applications**

1. **Oakland County 700 MHz**

a. **Birmingham** - Mr. Held reviewed the application for a site at Birmingham using an Oakland County allotted channel and recommended approval. **Motion** by Held, supported by Berry, to approve. Motion carried unanimously with Coates abstaining.

b. **West Bloomfield**- Mr. Held reviewed the application for 773.1625 and recommended approval. **Motion** by Held, supported by Briggs, to approve. Motion carried unanimously, with Coates abstaining

2. **Wayne County STA and Permanent License**

Mr. Bradshaw explained that the application is confusing because of the large number of changes, although none are substantive, in that they do not change the footprint. The original license application was created with older tools and measuring standards, and corrections using modern GPS need to be made to HAAT, antenna height, etc.. The new application also adds modulation, as part of the split between the County and Airport Authority into separate entities. No equipment is actually moving – the application simply corrects the documentation. **Motion** by Berry, supported by Coates, to approve the application. Motion carried unanimously.

3. **Other**

No other new applications

VI. **Subcommittee Reports**

A. **Interoperable Communications Subcommittee**

The Committee discussed Chief Nelson's concerns with the naming of the 700 MHz 125k interoperable channels

B. **Engineering/Technical Subcommittee**

Mr. Held shared discussion from the APCO National Conference regarding interference from the MotoTurbo TDMA 2 channel system, tripping coded squelch on co-channel users in all bands except 700 MHz.

He also advised that the National Fire Code has added requirements for in building coverage to -95 db.

C. **Writing Subcommittee**

No report

D. **Other**

No other subcommittee reports

VII. **Old Business**

A. **Region 21 800 MHz NPSPAC Plan Revision**

Mr. Bradshaw stated that the extension of Wave 4 will occur soon, and the Committee needs to have a plan ready as soon as the sort is complete. The sort must be included with the submission of the Plan revision. Region 21 also needs to obtain concurrence from

adjacent regions. The Committee also needs to re-examine the 700 MHz plan for obsolete language and to reduce appendices.

Mr. Bradshaw will resend the latest rewrite of the 800 Plan and asks all Committee members to review. The actual "writing subcommittee" will consist of Bradshaw, Coates, Jongkrieg, Sandburg and Williams.

The revised Plan must also incorporate recent discussions by the Committee on standards clarifying the language for contours (R6602, 50/50 contours, etc.)

B. 700 MHz Reallocation

Ms. Coates advised the Committee of problems licensing 700 MHz channels allocated to Oakland County and allegedly cleared for licensing, because of Canadian issues. She asked if the Committee would consider reallocation of channels if those awarded in the sort to a County are actually not licensable. The Committee was reluctant to do so, based upon the "scrambled eggs" that occurred with the NPSPAC channels in the past, but would consider a voluntary "swap" between counties if a channel unalienable in one county could be traded for one in a neighboring county.

The Committee also discussed whether 800 MHz should go on CAPRAD once available. Although it will force applicants to use CAPRAD, the consensus was to do so.

C. Other

No other old business

VIII. New Business

IX. Next Meeting Date

The next MPSFAC meeting will be in Frankenmuth on October 28th in conjunction with the MI APCO meeting, time to be determined.

X. Adjournment

Motion to adjourn by Coates, supported by Robinson. Motion carried unanimously. The meeting was adjourned by Chairman Bradshaw at 11:51 A.M.

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
October 28, 2010
Frankenmuth, MI

Member Attendance

Member	Affiliation	Present	Excused	Absent
Keith Bradshaw – Chairperson	MI APCO- Alt Frequency Advisor	X		
Dale Berry – Vice Chairperson	MI Association of Ambulances	X		
Patricia Coates – Secretary	MI APCO	X		
Laura Peeples	MI Sheriff's Association			X
Dan Robinson	State of MI – DNR	X		
Thomas Briggs	MI Department of Transportation	X		
Lloyd Collins	MI Association of Chiefs of Police		X	
Mark Jongekrijg	MI APCO		X	
Jim Fyvie	MI APCO	X		
Dave Held	MI APCO - Frequency Advisor	X		
Pam Matelski	State of MI – MSP			X
Kasey Mlujeak	State of MI – Corrections	X		
Bill Nelson	MI Association of Fire Chiefs	X		
Joe Turner	MI Municipal League	X		
Kathy Vosburg	MI Association of Counties		X	
Mark Sandburg	State of MI – MPSCS	X		
Dan Robinson	State of MI – MPSCS alternate	X		

Other Attendees

Brent Williams	State of MI – Community Health
Dave Hayhurst	State of MI – MPSCS
Katherine Henning	State of MI - MPSCS
Pat Kenealy	State of MI – Communications
Sean McCarthy	Macomb County
Karl Beckman	Motorola

I. Call to Order

The meeting was called to order by Mr. Bradshaw at 11 AM

II. Introductions

Attendees introduced themselves.

III. Approval of Agenda

Motion by Held, supported by Nelson, to add an item under New Business- FCC Call for Comments on 700 Narrow Band. Motion carried unanimously. **Motion** by Briggs, supported by Mlujeak, to approve the agenda as amended. Motion carried unanimously

IV. Approval of the Minutes of the August 26, 2010 meeting.

Motion by Berry, supported by nelson, to approve the minutes with the following amendments: list Sandburg as excused, correct the spelling of Motorola, and correct page 3 to indicate 1.25 instead of 12.5. Motion carried unanimously.

V. Applications

A. Old Applications

1. None

B. New Applications

1. **State of Michigan – Pleasant Valley**

Mr. Held explained that this application, and all others under consideration at this meeting, are new frequencies to add capacity at existing sites. 868.700 is in the Midland plan and is co-channelled in Oakland and Wayne, but the curves are clear. Motion by Held, supported by Coates, to approve. Motion carried unanimously, with Sandburg abstaining.

2. **State of Michigan- Elkton**

868.8375 is co-channelled in Clinton, Wayne and Marquette, and is in the Huron County plan. **Motion** by Held, supported by Turner, to approve. Motion carried unanimously, with Sandburg abstaining.

3. **State of Michigan- Damon**

866.1750 is in the Ogemaw County plan, and is co-channelled in Barry. It may have Line A issues. **Motion** by Held, supported by Briggs, to approve. Motion carried unanimously, with Sandburg abstaining.

4. **State of Michigan- St Helen**

5. 867.3125 is not in the plan for Roscommon, but is in the plan for Calhoun, and is also licensed in Lapeer. Curves are clear. **Motion** by Held, supported by Nelson, to approve. Motion carried unanimously, with Sandburg abstaining.

6. **State of Michigan- Lake City**

868.0875 is not in the Missaukee plan, but is in the plan for Genesee, and licensed in Clinton and Wayne. Mr. Fyvie questioned the post-rebanding curves; Mr. Bradshaw explained that these licenses are STAs and will be terminated if interference occurs. **Motion** by Held, supported by Turner, to approve. Motion carried unanimously, with Sandburg abstaining.

7. **State of Michigan- Nahama Junction**

866.0625 is in the Delta County plan, and Dickinson County is the closest adjacency. All co-channel users are in the lower peninsula, with Emmett County the closest. **Motion** by Held, supported by Berry, to approve. Motion carried unanimously, with Sandburg abstaining.

8. **Other**

No other new applications

VI. Subcommittee Reports

A. Interoperable Communication Subcommittee

Chief Nelson discussed proposed changes to the 700 MHz plan. Mr. Williams questioned a statement on page allowing "individual agencies" to utilize the interoperable channels, suggesting it should require multiple agencies. The committee also discussed the need to license itinerants and to include them in the plan. Chief Nelson stated that some channels (e.g. data only) are not included in the appendix. Chief Nelson reiterated the importance of consistency between the 800 and 700 MHz plans. Mr. Bradshaw is going to the Interoperability Conference and will present the naming conventions.

B. Engineering/Technical Subcommittee

No report

C. Writing Subcommittee

Mr. Bradshaw would like the proposed dispute resolution from the 700 MHz plan added to the 800 plan as well. He would also like to eliminate the old "pool" names from the plan, as they were consolidated by the FCC under public safety in 1990. He would also like to eliminate the awarding of points for core functions. There was discussion of density requirements based on population within the footprint of the tower. The matrix has never been used, but should be addressed as channels become more congested.... Mr. Bradshaw will assign these discussions to the writing subcommittee.

VII. Old Business

A. 800 MHz Plan Revision

Mr. Fyvie advised that Clinton County is under the 60 day rebanding clock. The MPSCS is still in negotiations, and anticipates many years to complete. They are waiting on a revised back-to-back plan for the interoperability channels. Mr. Sanburg advised that STAs approved during the freeze must also be rebanded, and those frequency assignments are still ongoing. The Canadian border region must also be addressed for the MPSCS.

The committee discussed a time frame for the rewrite and tasks to be accomplished, including the interoperable channels and suggested formulas from the Engineering/Technical subcommittee. Mr. Bradshaw will include a document he is using to track changes, which must be sent to the FCC when the plan is submitted.

B. 700 MHz Plan Revision

Discussion occurred under Interoperable Communications report

C. Other

Mr. Berry raised the issue of justification from applicants, with Ann Arbor as an example. Mr. Held explained that the original plan included a requirement to justify not joining larger systems. Mr. Bradshaw agrees the rewrites should require all applicants to show justification, and questioned whether the requirements should be different for new systems versus expansions? Mr. Williams stated that the single site, specialized system could be vitally important to the specific user, and questioned if the plan could offer the Committee some flexibility with applicant requirements, although the risk of subjectivity is a concern. Mr. Bradshaw concurred that the Committee needs to serve the applicants as well as using resources efficiently.

D.

VIII. New Business

A. DOJ Repeaters

In an email to Mr. Bradshaw from DOJ, it was indicated that the FBI wants TAC2 and TAC 4 repeaters on the Penobscot building. Mr. Bradshaw advised them that the Federal government cannot use non-Federal frequencies without going through the governing body. Their license is apparently delayed, possibly because of issues with the Canadians and the lack of a letter from MPSFAC.

B. 700 MHz Narrow Banding Flexibility

Mr. Bradshaw would like to send comments to the FCC during the comments period (through December 3) regarding their plan to parse these channels out for data. The

FCC has stated that public safety only needs 10 MHz fro broadband. Chief Nelson asked if APCO is responding. Motion by Nelson, supported by Turner, to direct the chairman to respond in writing in opposition to DA-10-1877A-1. Motion carried unanimously.

C. Other

Chief Nelson advised that Motorola and IAFC have developed a video of best practices for the use of digital in high noise environments.

IX. Next Meeting Date.

The next meeting will be December 9, 2010 in Clinton County at 10 AM..

X. Adjournment

Motion by Turner, supported by Held, to adjourn. Motion carried unanimously. The meeting was adjourned at 12:40 PM by Chairman Bradshaw.

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Friday, January 30, 2009
10:00 a.m.
Lansing, MI

- I. Call to Order
- II. Introductions
- III. Approval of Agenda
- IV. Approval of Minutes of the December 10, 2008 meeting
- V. Applications
 - A. Old Applications
 - ✓1. Macomb County – 866.650 all sites STA *approved 1/30/09*
 - ✓2. State of MI – Saginaw base station STA (approved contingently at last meeting) *approved*
 - 3. Other
 - B. New Applications
 - ✓1. State of MI – Washtenaw *approved*
 - ✓2. State of MI – Holly *approved*
 - ✓3. State of MI – Adrian *withdrawn*
 - ✓4. State of MI – Stockbridge *approved*
 - ✓5. State of MI – Owosso *approved*
 - 6. State of MI – Livingston
 - 7. Other *Honell - approved*
 - 8. *Rollins - approved*
- VI. Old Business
 - ✓A. Interoperability Channel Deployment and Planning *approved*
 - ✓B. Use of MEPPS by Roads *we approve meter to allow this to continue*
 - ✓C. 800 MHz Rebanding
 - ~~D. System Implementation Committee~~
 - E. 821 Regional Plan Revision
 - F. Other *CAPAD ACCESS*
- VI. New Business
 - A. Election of Officers *Sam elected chair*
 - B. Other
- VII. Next meeting date
- VIII. Adjournment

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
January 30, 2009

Member Attendance

Member	Affiliation	Present	Excused	Absent
Joseph Turner – Chairperson	MI Municipal League	X		
Dale Berry – Vice Chairperson	MI Association of Ambulances		X	
Patricia Coates – Secretary	MI APCO	X		
William Barnwell	MI Sheriff's Association			X
Keith Bradshaw	Frequency Advisor	X		
Thomas Briggs	MI Department of Transportation	X		
Lloyd Collins	MI Association of Chiefs of Police	X		
Mark Jongekrijg	MI APCO		X	
Jim Fyvie	MI APCO	X		
Dave Held – Alt. Frequency Advisor	MI APCO	X		
Pam Matelski	State of MI – MSP	X		
Kasey Mlujeak	State of MI – Corrections	X		
Bill Nelson	MI Association of Fire Chiefs		X	
Al Nowakowski	State of MI – MPSCS	X		
Kathy Vosburg	MI Association of Counties	X		

Other Attendees

Mark Sandburg	State of MI - MPSCS
Brent Williams	State of MI – Community Health

I. Call to Order

The meeting was called to order by Mr. Turner at 10:12 AM.

II. Introductions

Attendees introduced themselves.

III. Approval of Agenda

Motion by Vosburg, supported by Held, to approve the agenda as written. Motion carried unanimously.

IV. Approval of the Minutes of the December 10, 2008.

Mr. Bradshaw asked that this item be tabled until Chief Nelson can be present, as the Chief has corrections to the minutes.

V. Applications

A. Old Applications

1. Macomb County – 866.650 all sites

There is an overlap with an adjacent channel in Dearborn (866.6375) which will require a letter of concurrence. Also, Macomb will need to correct the mixture of trunking and mutual aid channels on the application.

Motion by Fyvie, supported by Coates, to approve contingent upon the letter of concurrence from Dearborn. Motion carried with nine ayes, no nays, and Bradshaw and Vosburg abstaining.

2. **Saginaw**

The frequency give back list was questioned and does not contain a time frame; the Committee will accept it with an assumption of giver backs by 2012.

Motion by Held, supported by Collins, to approve. Motion carried unanimously.

3. **Other Old Applications**

None

B. New Applications

1. **State of Michigan - Washtenaw**

a. 4 site simulcast system added to MPSCS with ten NPSPAC channels. Letters of concurrence have been received from HVA and State of Michigan, pending a letter from Ypsilanti. All other channels are clear. **Motion** by Held, supported by Bradshaw, to approve. Motion carried unanimously.

b. 3 additional sites on the same channels **Motion** by Held, supported by Bradshaw, to approve. Motion carried unanimously.

c. Application to backfill channels (867.5875) at Holly as a result of the Washtenaw system. Motion by Held, supported by Bradshaw, to approve. Motion carried unanimously.

2. **State of Michigan – Adrian (withdrawn)**

3. **State of Michigan - Stockbridge**

Application for 866.200 and 866.5375, requires a letter of concurrence from Oakland with adjacent channel 866.2125. Ms Coates advised that internal technical evaluation revealed no issues and the letter should be forthcoming. **Motion** by Held, supported by Fyvie, to approve contingent upon letter of concurrence from Oakland. Motion carried unanimously.

4. **State of Michigan – Owosso**

867.775 with no conflicts. **Motion** by Held, supported by Coates, to approve. Motion carried unanimously.

5. **State of Michigan – Livingston (Howell)**

868.6125, Mr. held advised that a letter from Downriver is not needed and there are no conflicts. **Motion** by Held, supported by Collins, to approve. Motion carried unanimously.

6. **State of Michigan – Lenawee (Rollins)**

No conflicts, also cleared by Ohio Regional Committee. Motion by Held, supported by Bradshaw, to approve. Motion carried unanimously.

7. **Other – No other new applications**

VI. Old Business

A. Interoperability Channel Deployment and Planning

Mr. Held had distributed the document, and asked if the old ICALL/ITAC should remain for interoperability at Canadian border. Mr. Bradshaw will call Industry Canada to set up a test and document, and will also check with Homeland Security at Selfridge..

B. Use of MEPSS by Road Commissions

The report was received and distributed. Mr. Briggs reported that only 16 portables had been distributed. Chief Collins advised that he had received no objections from the Police Chiefs Association.

Motion by Bradshaw, supported by Fyvie, to allow the project to continue for a second year as a pilot. Motion carried unanimously..

C. Rebanding

All new applications are frozen, and some agencies have received their frequency list. All agencies will need to relicense. Sprint/Nextel funding negotiations are becoming difficult, especially their refusal to pay internal staff costs for the agencies. Mr. Turner suggested that this may be an unfunded Federal mandate.

D. 821 Regional Plan revision

The channel sort is holding up any new progress.

E. Other – CAPRAD

CAPRAD is now available and members can apply for access on the CAPRAD link. There was discussion about what agency is responsible for CAPRAD training.

VII. New Business

A. Election of Officers

Mr. Turner regretfully announced that he would be unable to continue as Chairperson, due to other commitments.

The 2009 slate of officers elected unanimously are:

Chair: Keith Bradshaw

Vice Chair: Dale Berry

Secretary: Patricia Coates

B. Retirement: Mr. Nowakowski announced his upcoming retirement and the likelihood that this would be his last meeting of MPSFAC

C. Other – no other new business

VIII. Next Meeting Date.

The next meeting will be at the call of the chair..

IX. Adjournment

Motion by Briggs, supported by Vosburg, to adjourn. Motion carried unanimously. The meeting was adjourned at 11:48 AM by Chairman Bradshaw.

Agenda

Regular Meeting of the Michigan Public Safety Frequency Advisory Committee
4000 Collins Road, Lansing, MI
Thursday April 9, 2009 10:00am

- I. Call to Order 10:02
- ✓ II. Attendance
- ✓ III. Approval of Agenda
- ✓ IV. Approval of Minutes of December 10, 2008
- ✓ V. Approval of Minutes of January 30, 2009
- VI. Old Business
 - ✓ A) Interoperability, Deployment and Planning
 - B) Amend Region 21 NPSPAC Plan
 - i) FCC Requirements
 - a) "Streamlined" Amendment Process
 - b) Substantive Amendment Process
 - c) Frequency Sort
 - d) Summary of Substantive Changes
 - e) Reduction of "Old" Plan to Electronic Format
 - ✓ ii) Recommendation-Substantive Amendment
 - iii) Draft Plan
 - a) Writing Sub-Committee
 - b) Inter-Operability Sub-Committee
 - c) Engineering Sub-Committee
 - 1) 40 db contours in the context of wide area systems
 - 2) Contours in the context of new technology
 - 3) Re-Pack Sort
 - C). Applications
 - i). Macomb
 - ii). Other
- ✓ VII. New Business
 - ✓ A) Applications
 - i) State of Michigan
 - ii) Other?
 - ✓ B) Michigan Sheriff's Association Letter of Appointment
 - C) Statewide Fire Needs *MABAS Com plan & VHF CHIEF NELSON*
- VIII. Call from the Floor

09 April 2009

Regular Meeting of the Michigan Public Safety Frequency Advisory Committee held at 4000 Collins Road, Lansing, MI.

I. Call to Order

The meeting was called to order by Chairman Bradshaw at 10:02 am. Karl Beckman will serve as temporary Secretary substituting for Pat Coates.

II. Introduction of Participants

Voting Members :

Chairman Keith Bradshaw, APCO

Mike Garland, MSP

Kasey Mlujeak, MDOC

Mark Jongekrijg, Ottawa County 911

Mike Muskovin, Ottawa County 911

Brent Williams, MDCH EMS

Tom Briggs, MDOT

Jim Fyvie, APCO

Bill Nelson, MAFC

Laura Peeples, MSA

Kathy Vosburg, MAC

Dave Held, APCO Advisor

Mark Sandberg, MPSCS

Others:

Joe Turner, MI Tax

Karl Beckman, Motorola

Pat Kenealy, MPSCS

Dan Robinson, MPSCS

Excused: Dale Berry, MAAS; Pat Coates, APCO; Al Nowakowski, MPSCS.

III. Approval of Agenda

Request from Held to move Pending old and new applications ahead of other old and new business, to immediately follow approval of minutes.

Motion by Nelson, support by Held to modify order of previously distributed agenda. Motion carried by voice vote.

IV. A. Approval of Minutes of 10 December 2008

Motion by Nelson, support by Held to approve minutes as presented. Carried by voice vote.

B. Approval of Minutes of 30 January 2009

Motion by Fivey, support by Held to approve minutes as presented. Carried by voice vote.

V. Letter of Appointment

Chair Bradshaw read a letter received from the Michigan Sheriffs Association appointing Laura Peeples of Macomb County Sheriff Office as the MSA representative to MPSFAC.

VI. Applications Pending

A. Old Applications

1. Macomb County – add 866.650 MHz at all sites STA. Co-channel LOC from City of Dearborn received by Macomb; application given final approval letter.

B. New Applications

1. Livingston County / MPSCS 1204 Howell 868.3250 MHz. An additional channel is needed to reduce busies at Howell. County requests transfer license of existing analog repeater on 868.3250 MHz to state for trunking on MPSCS. State will install ICALL and ITAC4 at this site for local emergency use. Discussion of Jackson County data system added in 2002, one site being co-channel with Livingston. Technical evaluation is that since the present analog channel will convert to narrower bandwidth for trunking the action will further reduce interference between systems.

Motion by Held, support by Turner to approve without LOC. Carried by voice vote.

2. State of MI / MPSCS 9102 Munising add-on Base Station 867.7125MHz. An additional channel is needed to reduce busies at Howell.

Motion by Held, support by Turner to approve. Carried by voice vote.

3. State of MI / MPSCS 1106 East Lansing: Add new site 1106 with 7 channels 866.1250, 866.2250, 867.1375, 867.3250, 867.6000, 867.7000, and 868.6750 at MSP Headquarters. Discussion by Held: 867.1375 is co-channel to Oakland County, whose license was required to be cancelled as part of 2004 channel swap with Detroit.

Motion by Held, support by Garland to approve as primary without LOC. Carried by voice vote.

4. State of MI / MPSCS 7906 Kalkaska. Add-on Base Station 867.7125 MHz. An additional channel is needed to reduce busies in NE Kalkaska County.

Motion by Held, support by Vosburg to approve. Carried by voice vote.

5. State of MI / MPSCS 8203 Newberry. Add-on Base Station 868.1750 MHz. An additional channel is needed to reduce busies in Luce and Chippewa Counties.

Motion by Held, support by Garland to approve. Carried by voice vote.

6. State of MI / MPSCS 9302 Raco add-on Base Station 868.8625 MHz. An additional channel is needed to reduce busies in Chippewa County.

Motion by Held, support by Garland to approve. Motion carried by voice vote.

VII. Old Business

- A. Statewide Fire Needs. Bill Nelson presented information about a mutual communications plan for fire service that is being implemented in the Great Lakes area. The plan is known as Mutual Aid Box Alarm System (MABAS), developed by State of Illinois to provide a standard set of up to 13 VHF-High Band radio channels and naming standards. Eight of these are designated by the FCC for inter-system or low power use: 1) 154.265; 2) 154.3025;

3) 153.8300; 4) 154.2800; 5) 154.2950; 6) 153.8375; 7) 154.2725; and 8) 154.2875. The remaining five are the V-CALL and V-TAC channels already reserved by the FCC. Unfortunately the new MABAS channels are not currently labeled using the NPSTC recommended designators.

The MABAS channels and equipment pool would be used when departments loan part of their resources to extended mutual aid deployment anywhere within the Great Lakes area. Therefore these channels need to be identified in the MI interoperability plan and all frequency coordinators must be advised that these channels can no longer be assigned to new applicants for local fire communications. There was significant discussion of the topic by the entire body.

Jongekrijg and Muskovin reported that Region 6 now requires NPSTC channel naming for all radio equipment in any band that is acquired using any grant monies and that this limitation should become a statewide interoperability plan requirement. This might apply to channel names selected for MABAS.

Motion by Nelson, support by Muskovin to amend the existing state Mutual Aid Plan document to restrict use of the frequencies proposed for MABAS use. Motion carried by voice vote.

- B. Amend Region 21 NPSPAC Plan. Chair Bradshaw, having previously consulted with Jeanne Benfaida of the FCC, outlined the two independent options available for NPSPAC plan updates. There was lengthy discussion of the timelines, benefits, and restrictions of each option, resulting in committee action below.

1. Streamlined Frequency Plan submittal: Submittal of the new (post-Rebanding) frequency plan can be done with or without modifying the Plan text. Michigan is in a border area and the FCC has not set a deadline for submitting Wave 4 modified NPSPAC frequency plans. Because the frequency changes are a direct result of FCC Rule changes, this submittal does not require public hearings or consent of adjoining Regions.

Motion by Held, support by Jongekrijg to prepare the new frequency listing and submit to the FCC promptly. Discussion: Held commented that of the 1084 total NPSPAC channel licenses in Region 21, only 103 frequencies are deployed today solely within the counties designated in the original NPSPAC frequency plan. Motion carried by voice vote.

2. Substantive Plan Text Changes:

The FCC representative has advised that consent of adjoining Region NPSPAC Committees (13, 14, 33, 45, and 54) is required when the NPSPAC Plan language is modified. Public hearings are not required for plan updates, but process transparency and wide opportunities for public input are strongly encouraged and would accelerate FCC review and approval of the updates. To that end, the next three MPSFAC meetings will be held at diverse locations around the state to encourage public comment on proposed modifications to NPSPAC Plan

language. Macomb County will host the next MPSFAC meeting in June, and Ottawa County has tentatively volunteered to hold the mid-summer meeting on the west side of the state. Turner volunteered to notify all tribal councils and other affected groups not directly represented on MPSFAC, as was done for the 700 MHz Plan. The chair requests that the final draft will be ready for presentation to adjoining Regions and MPSFAC immediately after the fall APCO Technical Conference held in Tustin, MI the last week of September.

Motion by Held, support by Turner to amend the existing Plan document and be ready to submit final updated plan text to the FCC by the end of 2009. Motion carried by voice vote.

3. Structure for 821 Regional Plan Revision. Chair Bradshaw proposed that revision work be handled by three subcommittees, Writing, Engineering, and Interoperability. Members and staff volunteered for these subcommittees as follows:

Writing: Vosburg, Fivey, Matelski

Engineering: Sandberg, Robinson, Kenealy, Beckman

Interoperability: Jongekrijg, Muskovic, Nelson, Garland

Committees will communicate freely and any suggestions received from the public will be routed to all three subcommittees for review.

- VIII. **Call from the Floor:** Keith Bradshaw presented past committee chair Joe Turner with a plaque commemorating his service as Chairperson of MPSFAC and the NPSPAC, 700 MHz, and 4.9 GHz Regional Planning Committees from 2002 to 2008.
- IX. **Next Meeting Date:** The next meeting of the MPSFAC will be held June 18, 2009 at 10:00 AM. The general location will be in the Macomb County area; the exact room location will be determined shortly and announced well in advance.
- X. **Adjournment:** Motion by Vosburg, support by Garland to adjourn. Motion carried by voice vote. The meeting is adjourned at 11:42 AM

Minutes respectfully submitted by Karl Beckman, substitute Secretary

Approved / Amended : _____, 2009

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Thursday, June 18, 2009
10:00 a.m.
Mt Clemens, MI

- I. Call to Order *10:11 AM*
- II. Introductions
- III. Approval of Agenda
- IV. Approval of Minutes of the April 9, 2009
- V. Applications
 - A. Old Applications
 1. None
 - B. New Applications
 1. None

- VI. Subcommittee Reports
 - A. Interoperable Communication Subcommittee — *Nelson language adopted.*
 - B. Engineering/Technical Subcommittee —
 - C. Writing Subcommittee
 - D. Other
- VI. Old Business
 - A. Region 21 800 NPSPAC Plan Revision
 - B. Region 14 Concurrence
 - C. Upper Michigan MEPS I/O Experiment
 - D. Other
- VII. New Business *8-13-09 LOCATOR 11 am - attach Q. item Tentative*
 - A. None
- VIII. Next meeting date *↗*
- IX. Adjournment *11:30*

Michigan Public Safety Frequency Advisory Committee
 Meeting Minutes
 June 18, 2009
 Mt Clemens, MI

Member Attendance

Member	Affiliation	Present	Excused	Absent
Keith Bradshaw – Chairperson	MI APCO Frequency Advisor	X		
Dale Berry – Vice Chairperson	MI Association of Ambulances	X		
Patricia Coates – Secretary	MI APCO	X		
Laura Peeples	MI Sheriff's Association		X	
Catherine Leslie	MPSCS	X		
Thomas Briggs	MI Department of Transportation	X		
Lloyd Collins	MI Association of Chiefs of Police		X	
Mark Jongekrijg	MI APCO		X	
Jim Fyvie	MI APCO		X	
Dave Held – Alt. Frequency Advisor	MI APCO		X	
Pam Matelski	State of MI – MSP		X	
Kasey Mlujeak	State of MI – Corrections	X		
Bill Nelson	MI Association of Fire Chiefs		X	
Joe Turner	MI Municipal League		X	
Kathy Vosburg	MI Association of Counties	X		

Other Attendees

Mark Sandburg	State of MI - MPSCS
Brent Williams	State of MI – Community Health
Karl Beckman	Motorola

I. Call to Order

The meeting was called to order by Mr. Bradshaw at 10:11 AM.

II. Introductions

Attendees introduced themselves.

III. Approval of Agenda

Motion by Vosburg, supported by Coates, to approve the agenda as written. Motion carried unanimously.

IV. Approval of the Minutes of the April 9, 2009.

Motion by Mlujeak, supported by Briggs, to postpone until the next meeting, as copies are not available. Motion carried unanimously.

V. Applications

A. Old Applications

1. None

B. New Applications

1. None

Discussion – The MPSCS advised that they would be preparing applications for Saginaw and Washtenaw for the next meeting, and will be adding mutual aid and tactical channels with post-rebanding channels.

VI. Subcommittee Reports

A. Interoperable Communication Subcommittee

The Committee discussed Chief Nelson's concerns regarding the requirement for a fixed repeater on conventional interoperable channels, which has no utility and can cause interference on fire ground, etc. Eliminating this requirement would fill a need, be practical, and would eliminate a financial burden. Mr. Bradshaw stated the FCC docket would allow this. Mr. Beckman advised that the Engineering/Technical Subcommittee should develop a recommendation for primary area limited use. Mr. Bradshaw concurred, stating that the calling channel has been envisioned as wide area and is adequate for units responding to a scene, and that another wide area repeater may be unnecessary while a local, limited repeater makes more sense. This would be similar to the low power channels in the 700 MHz plan. **Motion** by Coates, supported by Barry, to eliminate the requirement for fixed repeaters and allows local, limited repeaters and direct on interoperable channels. Motion carried unanimously.

B. Engineering/Technical Subcommittee

Mr. Bradshaw stated that the 87.12 docket recommends that licensees demonstrate interference and other contours to prove lack of impact on existing systems. Newer recommendations are for TSB88 Adjacent Channel Power Reduction mathematical calculations rather than contours. 700 MHz applications following the sort will not have an issue, but 821 applicants will have a choice of 40/25/5 contours or TSB88 calculations. Ms. Coates asked the impact on frequency advisors if both are allowed? Mr. Bradshaw stated that contours are easier, and applicants on combined 700/800 systems could stick with only one method for all channels.

C. Writing Subcommittee

No report

VII. Old Business

A. 821 Regional Plan revision

The channel sort is holding up any new progress.

B. Region 14 Concurrence

Letter exchange in process

C. Upper Michigan MEPSS I/O Experiment

No Report

D. Other

VIII. New Business

A. **Other**

Mr. Briggs advised that the FCC will likely allow narrow banding without requiring coordination. He also asked if marine channels would be required to move, concerned about drawbridges, but was advised that they are already at 12.5 and require no additional changes. to continue as Chairperson, due to other commitments.

IX. **Next Meeting Date.**

The next meeting will be at the call of the chair.

X. **Adjournment**

Motion by Vosburg, supported by Briggs, to adjourn. Motion carried unanimously. The meeting was adjourned at 11:20 AM by Chairman Bradshaw.

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Wednesday, September 30, 2009

10:00 a.m.

Kettunen Center - 14901 4-H Drive, Tustin, MI 49688

- ✓ I. Call to Order *10:00 am*
- ✓ II. Introductions
- ✓ III. Approval of Agenda
- ✓ IV. Approval of Minutes of the June 18, 2009 meeting
- ✓ V. Applications
 - ✓ A. Old Applications
 - 1. None
 - ✓ B. New Applications
 - ✓ 1. R2109019B MPSCS at Saginaw County
 - ✓ 2. R2109020 Macomb County
 - a. Modification of Location 3, 43565 Elizabeth (raise TX antennas 30 ft)
 - b. Modification of Location 5, 25401 Harper (replace existing with 3db gain antennas).
 - c. Request letter for continuance of STAs re WQKD998 and WQKD999
 - ✓ 3. R2109021 Genesee County Administrative Modification
 - ✓ 4. Other

- ✓ VI. Subcommittee Reports
 - ✓ A. Interoperable Communication Subcommittee
 - ✓ B. Engineering/Technical Subcommittee
 - ✓ C. Writing Subcommittee
 - ✓ D. Other

① 5dB
50, 50 OR 50, 10?
* 50, 50 is accumulation

② CURRENT OF TSB 88

- ✓ VI. Old Business
 - ✓ A. Region 21 800 NPSPAC Plan Revision
 - 1. Streamlined Plan Filing
 - ✓ B. Upper Michigan MEPS I/O Experiment
 - ✓ C. Other *MEPS IS OK for THIS.*

③ Comm. TO KEEP SPACING FAR

- ✓ VII. New Business
 - ✓ A. Presentation by TA representative
 - ✓ B. Protection of 155.370 ("intercity") *PRETEST IT*
 - ✓ C. MABAS Talk Path *& WITH FLEET'S STATEWIDE*
 - D. Other

④ NOT ready to do IIB

VIII. Next meeting date *10-22-09 10:00 am*

IX. Adjournment *11:55 am*

Enroll TSB-88 cases.

Ryan Keith, TA
Interoperable meeting
NOVEMBER?
NO MEDIATION
3-4 hrs MAX.
1ST WK of November.
HEAVY USE of LICENSES

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
September 30, 2009
Tustin, MI

Member Attendance

Member	Affiliation	Present	Excused	Absent
Keith Bradshaw – Chairperson	MI APCO- Alt Frequency Advisor	X		
Dale Berry – Vice Chairperson	MI Association of Ambulances		X	
Patricia Coates – Secretary	MI APCO	X		
Laura Peebles	MI Sheriff's Association		X	
Catherine Leslie	MPSCS		X	
Thomas Briggs	MI Department of Transportation	X		
Lloyd Collins	MI Association of Chiefs of Police		X	
Mark Jongekrijg	MI APCO		X	
Jim Fyvie	MI APCO		X	
Dave Held	MI APCO - Frequency Advisor	X		
Pam Matelski	State of MI – MSP		X	
Mike Garland	State of MI – MSP Alternate	X		
Kasey Mlujeak	State of MI – Corrections	X		
Bill Nelson	MI Association of Fire Chiefs		X	
Joe Turner	MI Municipal League	X		
Kathy Vosburg	MI Association of Counties	X		

Other Attendees

Mark Sandburg	State of MI – MPSCS
Pat Kenealy	State of MI – MPSCS
Mary Wickman	State of MI - MSP
Brent Williams	State of MI – Community Health
Mike Whately	RF Systems Inc
Ryan Currie	Harris
Tom Byle	Kent County Road Commission
Ryan Keith	Transition Administration – Chicago Office

I. Call to Order

The meeting was called to order by Mr. Bradshaw at 10:00 AM.

II. Introductions

Attendees introduced themselves.

III. Approval of Agenda

Motion by Vosburg, supported by Turner, to approve the agenda as written. Motion carried unanimously.

IV. Approval of the Minutes of the June 18, 2009.

Motion by Vosburg, supported by Turner, to approve the minutes with the correction of the typographical error in item B1. Motion carried unanimously.

V. **Applications**

A. **Old Applications**

1. **None**

B. **New Applications**

1. **R2109019B – MPSCS at Saginaw County**

Mr. Held stated that all of his prior questions had been resolved and he would recommend the application for approval, including sites at Watson in Hemlock and Margaret Ct in St Charles. The prior concern about overlap into Clinton County is not an issue, as it is neither co nor adjacent channel.

Motion by Turner, supported by Vosburg, to approve. Motion carried unanimously

2. **R2109020 – Macomb County**

- a. **Modification of location 3, 43565 Elizabeth (raise TX antenna 30 feet) and modification of location 5, 25401 Harper (replace existing antenna with 3db gain)**

Mr. Held explained this would push the contours to the five mile limit, but recommended approval.

Motion by Coates, supported by Garland, to approve. Motion carried unanimously with abstentions by Bradshaw and Vosburg

- b. **Request letter of Continuance of STAs re WQKD998 and WQKD999**

The Committee approved the continuance, a formality, by consensus

3. **R2109021 – Genesee County Administrative Modification**

Corrects the Antenna Structure Registry from the State to Genesee County and increases the number of mobiles and control stations. Motion by Held, supported by Vosburg, to approve. Motion carried unanimously.

VI. **Subcommittee Reports**

A. **Interoperable Communication Subcommittee**

No report

B. **Engineering/Technical Subcommittee**

Mr. Kenealy explained the State's concerns regarding the contour rules and discrepancies among the 700 MHz and NPSPAC plans and the FCC rules. He distributed contour maps demonstrating the different results that would be achieved should an applicant use TSB88 versus 40/25/5 contours at 50,50 and 40/25/5 contours at 50,10. Mr. Held explained that the frequency advisors have agreed to protection in other bands, but that the only guidance in the original 821 MHz plans was the 88km (53

miles) for co-channels. The committee discussed the implications of the different models and rules for analog, trunking, short spacing, channel spacing, ERP/HAAT, and so forth. Mr. Sandburg stated that applicants under current rules use 50,50. There was discussion of changing the current Region 21 plan and a motion to do so was offered, but withdrawn upon concerns about the need for an FCC filing and the mandatory public hearings. It may be necessary and prudent to wait until the Plan rewrite is completed.

C. Writing Subcommittee

No report – this subcommittee has completed its tasks

VII. Old Business

A. 821 Regional Plan revision

1. Streamline Plan Filing

Mr. Bradshaw explained that the plan has been refilled with the actual frequency sort as an appendix, but that the sort does not reflect the repack.

B. Upper Michigan MEPSS I/O Experiment

Mr. Byle explained that the Road Commissions have found that MEPSS is used very little but, for those that do use it, it works well. He described a District 6 exercise. Mr. Briggs explained that MDOT had provided 2 portables to each Road Commission, but that the MPSCS was overloaded during the exercise, so it was not a good example. No complaints have been received from law enforcement. **Motion** by Turner, supported by Vosburg, to allow emergency dispatch functions by Road Commissions to continue on MEPSS with guidelines to be incorporated. Motion carried unanimously.

C. Other

No other old business

VIII. New Business

A. Presentation by TA Representative

Mr. Keith introduced himself and his role to provide support in numerous regions, including 21, 33 and 54. He does not deal with mediation sessions, but when 70% of the licensees have FRAs within a region he coordinates an interoperability conference. He recommends such a conference in Region 21 in November, to include vendors as well as licensees.

B. Protection of 155.370 (“inter-city”)

Mr. Held explained that one applicant is interested in using 155.370 for mobiles, although historically this was a dispatch center (PSAP) use only and it is still used heavily in portions of the State. **Motion** by Coates, supported by Garland, to leave 155.370 protected for PSAP use only. Motion carried unanimously

C. MABAS Talk Paths

Ms. Coates explained, in Chief Nelson’s absence, the proposed three prong approach for MABAS interoperability, including 700 MHz channels, VHF channels, and the use of

MPSCS talk groups for those responders on MPSCS and for the command center in Lansing.

- D. **Other**
No other new business

- IX. **Next Meeting Date.**
The next meeting will be October 22, 2009 at 10:00 in Frankenmuth.

- X. **Adjournment**
Motion by Held, supported by Garland, to adjourn. Motion carried unanimously. The meeting was adjourned at 11:55 AM by Chairman Bradshaw.

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Thursday, October 22, 2009

10:00 a.m.

Zehnder's "Keeping Room"
Frankenmuth, MI

- I. Call to Order
- II. Introductions
- III. Approval of Agenda
- IV. Approval of Minutes of the September 30, 2009 meeting
- V. Applications
 - A. Old Applications
 - 1. None
 - B. New Applications
 - 1. Lansing Board of Water and Light
 - 2. Oakland County Waiver
 - 3. Other
- VI. Subcommittee Reports
 - A. Interoperable Communication Subcommittee
 - B. Engineering/Technical Subcommittee
 - 1. Contours Report
 - C. Writing Subcommittee
 - D. Other
- VI. Old Business
 - A. Region 21 800 NPSPAC Plan Revision
 - B. Upper Michigan MEPS I/O Experiment
 - C. Other
- VII. New Business
 - A. Other
- VIII. Next meeting date
- IX. Adjournment

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
October 22, 2009
Frankenmuth, MI

Member Attendance

Member	Affiliation	Present	Excused	Absent
Keith Bradshaw – Chairperson	MI APCO- Alt Frequency Advisor	X		
Dale Berry – Vice Chairperson	MI Association of Ambulances		X	
Patricia Coates – Secretary	MI APCO	X		
Laura Peeples	MI Sheriff's Association		X	
Catherine Leslie	MPSCS	X		
Thomas Briggs	MI Department of Transportation	X		
Lloyd Collins	MI Association of Chiefs of Police	X		
Mark Jongekrijg	MI APCO		X	
Jim Fyvie	MI APCO		X	
Dave Held	MI APCO - Frequency Advisor	X		
Pam Matelski	State of MI – MSP	X		
Kasey Mlujeak	State of MI – Corrections		X	
Bill Nelson	MI Association of Fire Chiefs		X	
Joe Turner	MI Municipal League	X		
Kathy Vosburg	MI Association of Counties		X	

Other Attendees

Mark Sandburg	State of MI – MPSCS
Pat Kenealy	State of MI – MPSCS
Brent Williams	State of MI – Community Health
Mike Whately	RF Systems Inc
Alan Tilles	Shulman Rogers/Oakland County
Karl Beckman	Motorola

I. Call to Order

The meeting was called to order by Mr. Bradshaw at 10:06 AM.

II. Introductions

Attendees introduced themselves.

III. Approval of Agenda

Motion by Collins, supported by Fyvie, to approve the agenda as written. Motion carried unanimously.

IV. Approval of the Minutes of the September 30, 2009.

Motion by Held, supported by Briggs, to approve the minutes as written. Motion carried unanimously., with abstention by Fyvie, who was unable to attend the previous meeting.

V. **Applications**

A. **Old Applications**

1. **None**

B. **New Applications**

1. **Lansing Board of Water and Light**

Mr. Held stated that the application is for a waiver to move the site two miles, with a reduction in both height and power, resulting in smaller contours than the original footprint. This will clean up the applicants channels prior to rebanding, and Mr. Held recommended approval with a letter to state the approval is effective for 180 days or the completion of Wave 4 rebanding.

Motion by Collins, supported by Turner, to approve the waiver for 180 days or in conjunction with NPSPAC rebanding. Motion carried unanimously

2. **Oakland County Waiver**

Mr. Tilles explained that narrow band deviation has been tested and determined to have a significant difference in coverage for Oakland County's 4-slot TDMA system. Oakland County has three alternatives: 1). Stay on wide band deviation, 2). Move two two-slot TDMA and add more frequencies and sites, or 3). Replace the system. As the second and third choices are expensive, time consuming, and involve additional frequency resources that do not exist, Oakland County is requesting a waiver to remain on wide band deviation. The Committee discussed the flaws in the sort, impact on the TA, and the impact on adjacent channel spacing.

Motion by Turner, supported by Fyvie, to approve the waiver conditional upon the unavailability of middle band channel that would obviate the need for the waiver. Motion carried unanimously, with an abstention by Coates.

3. **Other.**

VI. **Subcommittee Reports**

A. **Interoperable Communication Subcommittee**

No report

B. **Engineering/Technical Subcommittee**

Discussion of the current Regional Plan which asks for mean levels (50/50). The request for 50/10 exceeds that requirement, and using 50/50 gives more separation than TSB8.8. Mr. Tilles recommended that all service contours be 50/50, and all interference contours be 50/10. He also explained that the FCC rule eliminates the "waiting list" concept which negates the enforceability of give back requirements. (traditionally 100 users per channel to apply, 70 to give back).. The Committee concurred on the following formula:

- 1). 40 dbu @ 50/50 @ 5 miles for service contours

- 2). 25 dbu @50/10 for adjacent contours
- 3). 5 dbu @ 50/50 for interference contours.

C. Writing Subcommittee
No report

VII. Old Business

- A. 821 Regional Plan revision**
No Report
- B. Upper Michigan MEPSS I/O Experiment**
Mr. Bradshaw will distribute the report by email
- C. Other**
No other old business

VIII. New Business

- A. Chart of Frequencies**
Mr. Held explained that he is reworking the chart, moving them by 15
- B. New Committee members**
Mr. Held presented letters from the Michigan Department of Information Technology, appointing Mark Sandberg as primary and Catherine Leslie as alternate MPSFAC members representing the MPSCS, and appointing Dan Robinson as primary and Gray Page as alternate MPSFAC members representing the Department of Natural Resources.
Motion by Coates, supported by Collins, to accept the letters and the appointments.
Motion carried unanimously.
- C. Other**
No other new business

IX. Next Meeting Date.

The next meeting will be November 19, 2009 at 10:00 in Clinton County.

X. Adjournment

Motion by Turner, supported by Coates, to adjourn. Motion carried unanimously. The meeting was adjourned at 11:37 AM by Chairman Bradshaw.

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Thursday, November 19, 2009
10:00 a.m.

Clinton County Courthouse
100 E State Street, St. Johns, MI
Conference Room C

Oakland
Contours exceed
* 1438 ✓
~~1441~~
* 1443

- I. Call to Order
- II. Introductions
- III. ✓ Approval of Agenda
- IV. ✓ Approval of Minutes of the October 22, 2009 meeting
- V. Applications
 - A. Old Applications
 - 1. None
 - B. New Applications
 - 1. Oakland County 700 MHz Sites

1439 ✓
1440 ✓
* 1443 ✓ Contour 8.5 mi
1438 TABLED for today
1442 ✓
1429 ✓
1436 ✓
1437 ✓
1441 ✓

- VI. Subcommittee Reports
 - A. Interoperable Communication Subcommittee
 - B. Engineering/Technical Subcommittee
 - 1. Contours Report
 - C. Writing Subcommittee
 - D. Other

- VI. Old Business
 - A. Region 21 800 NPSPAC Plan Revision
 - B. Other

- VII. New Business
 - A. Other

Suzinaw freqs for use in oakland?

- VIII. Next meeting date

- IX. Adjournment

12:00 pm

** Call Retreat for 1:00 pm meeting*

Dreamer

1-21-10

1 pm

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
November 19, 2009
St Johns, MI

Member Attendance

Member	Affiliation	Present	Excused	Absent
Keith Bradshaw – Chairperson	MI APCO- Alt Frequency Advisor	X		
Dale Berry – Vice Chairperson	MI Association of Ambulances	X		
Patricia Coates – Secretary	MI APCO	X		
Laura Peeples	MI Sheriff's Association		X	
Dan Robinson	State of MI – DNR	X		
Thomas Briggs	MI Department of Transportation	X		
Lloyd Collins	MI Association of Chiefs of Police	X		
Mark Jongekrijg	MI APCO		X	
Jim Fyvie	MI APCO	X		
Dave Held	MI APCO - Frequency Advisor	X		
Pam Matelski	State of MI – MSP		X	
Mike Garland	State of MI – MSP (alternate)	X		
Kasey Mlujeak	State of MI – Corrections	X		
Bill Nelson	MI Association of Fire Chiefs	X		
Joe Turner	MI Municipal League		X	
Kathy Vosburg	MI Association of Counties	X		
Mark Sandburg	State of MI – MPSCS	X		

Other Attendees

Pat Kenealy	State of MI – MPSCS
Brent Williams	State of MI – Community Health
Mike Whately	RF Systems Inc
Steve Murphy	Oakland County Radio Communications
Catherine Leslie	State of MI – MPSCS
Jerry King	State of MI - Communications

I. Call to Order

The meeting was called to order by Mr. Bradshaw at 10:00 AM.

II. Introductions

Attendees introduced themselves.

III. Approval of Agenda

Motion by Garland, supported by Berry, to approve the agenda as written. Motion carried unanimously.

IV. Approval of the Minutes of the October 22, 2009.

Motion by Held, supported by Briggs, to approve the minutes as written. Motion carried unanimously.

V. Applications

A. Old Applications

1. None

B. New Applications

1. Oakland County 700 MHz Applications

- a. Long Lake/Stonycroft (1439) - Mr. Held questioned the FX1 designation, stating that the correct designation should be FB2 on all the applications. Mr. Murphy concurred. The 2K0F9 emission masque was also questioned. **Motion** by Held, supported by Mlujeak, to approve. Per Mr. Bradshaw, additional supporting documents for budget, interoperability, etc. are not need for the expansion of an existing system. Motion carried unanimously, with Coates abstaining.
- b. Haggerty/Walnut Lake (1440) - Mr. Held recommended approval with the FB2 correction, and questioned whether mobiles should be Mo8 for trunking. Mr. Bradshaw will research and advise. **Motion** by Held, supported by Mlujeak, to approve. Motion carried unanimously, with Coates abstaining.
- c. Southfield (1438) – Mr. Held explained the contours extend 6.8 miles into Wayne County. Mr. Murphy withdrew the application and will research directional or down-tilt antenna options.
- d. Farmington Hills (1443) – Mr. Held explained the contours are exceeded by .8 miles. Mr. Williams discussed EMS needs for coverage from Oakland to Detroit hospitals. ~~**Motion** by Held, supported by Mlujeak, with a waiver.~~ Mr. Sandburg proposed a friendly amendment to restrain the contours to 5 miles, which was accepted. Motion carried unanimously, with Coates abstaining.
- e. Maple/Inkster (1442) – **Motion** by Held, supported by Briggs, to approve. Motion carried unanimously, with Coates abstaining.
- f. Martin Luther King/South Blvd (1429) – **Motion** by Held, supported by Garland, to approve. Motion carried unanimously with Coates abstaining.
- g. Drake/Maple (1436) – **Motion** by Held, supported by Vosburg, to approve. Motion carried unanimously, with Coates abstaining.
- h. Highland/Tull (1437) – **Motion** by Held, supported by Nelson, to approve. Motion carried unanimously with Coates abstaining.
- i. Farmington Hills (1441) **Motion** by Held, supported by Vosburg, to approve. Motion carried unanimously, with Coates abstaining

2. Other.

No other new applications

VI. Subcommittee Reports

A. Interoperable Communication Subcommittee

Mr. Bradshaw reported that he has added language to Region 21 NPSPAC regarding the use of long range communications in the interoperability section. To simplify the plan. Public hearings are not required, but the change will require concurrence from adjacent regions.

- B. **Engineering/Technical Subcommittee**
No report
- C. **Writing Subcommittee**
No report

VII. Old Business

- A. **821 Regional Plan revision**
Mr. Bradshaw recommended that committee members review the plan for discussion and possible action at the next meeting.
- B. **Other**
No other old business

VIII. New Business

- A. **Saginaw frequency swap**
Proposal by Mr. Kenealy and Mr. Sandburg regarding the 11 Saginaw frequencies as alternatives for Oakland County's waiver from a previous meeting. The MPSCS will provide Oakland's rebanding consultant, Mr. Whately, with a list of the current and proposed rebanding replacement frequencies. Saginaw would submit a Letter of Concurrence with an Oakland application, but would not cancel as of yet.
- B. **Other**
No other new business

IX. Next Meeting Date.

The next meeting will be January 21, 2010 in Detroit following the MI APCO meeting.

X. Adjournment

Motion by Vosburg, supported by Garland, to adjourn. Motion carried unanimously. The meeting was adjourned at 12:00 noon by Chairman Bradshaw.

Year	Date	Where	Agenda	Minutes
2003	Feb 26 (24)	Ann Arbor	x	x
	23-Jun	Ann Arbor		x
	23-Oct	Frankenmuth	x	x
2004	26-Sep	Tustin	x	x
	26-Feb	Ann Arobor	x	x
	25-Mar	Williamston	x	x
	9-Jun	Ann Arbor	x	x
	14-Sep	Washtenaw	x	x
2005	7-Dec	Ann Arbor	x	x
	11-Aug	Lansing	x	x
	30-Sep	Tustin	x	
2006	1-Dec	St Johns	x	x
	2-Feb	St Johns	x	x
	7-Mar	Lansing	x	x
2007	13-Jun	Lansing	x	
	25-Oct	Frankenmuth	x	
2008	23-Jul	Lansing	x	x
	28-Sep	Tustin	x	
	10-Dec	Lansing	x	x
2009	30-Jan	Lansing	x	x
	9-Apr	Lansing	x	x
	18-Jun	Mt Clemens	x	x
	30-Sep	Tustin	x	x
	22-Oct	Frankenmuth	x	x
2010	19-Nov	St Johns	x	x
	21-Jan	Detroit	x	x
	22-Apr	Ottawa County	x	x
	17-Jun	St Johns	x	x
	26-Aug	St Johns	x	x
2011	28-Oct	Frankenmuth	x	
	24-Mar	St Johns		x
	5-Aug	St Johns	x	x
	30-Sep	Tustin	x	x
2012	27-Oct	Frankenmuth	x	
	12-Jan	St Johns	x	
	3-May	St Johns	x	x
	12-Jul	St Johns	x	
	25-Oct	Frankenmuth	x	

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Michigan Public Safety Frequency Advisory Committee Meeting Meeting Agenda

The Region 21 MPSFAC meeting will be held on
Thursday, August 11, 2005
At 10:00 a.m.
Michigan State Police Communications
4000 Collins Road
Lansing, MI

- I. ✓ Call to Order
- II. ✓ Introductions
- III. ✓ Approval of Agenda
- IV. ✓ Approval of Minutes of the June 16, 2005 and meeting
- V. ✓ Applications
 - A. Old Applications
 - 1. MPSCS - Bridgeport and Holly APPROVED
 - 2. Monroe County Modification APPROVED
 - 3. Other
 - ✓ B. New Applications
 - 1. Macomb County Modification TABLED TIL NEXT MEETING
 - 2. Other STATE STA - LAYLORD
- VI. Old Business
 - ✓ A. 800 MHz Rebanding
 - ✓ B. System Implementation Committee
 - ✓ C. 821 Regional Plan Revision
 - ✓ D. South-East Michigan Frequency Subcommittee
 - ✓ E. Broad Band over Power Lines
 - ✓ F. Other PORTAGE VS ST-JOE
- VI. New Business
 - ✓ A. Other ~~FE~~
SEM TALK
- VII. Next meeting date 9-30-05 10:00 am Tustin
- VIII. ✓ Adjournment

** Region 21 700 MHz meeting immediately following MPSFAC

* Check Construction Notices on all
licenses only have fil October!

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
August 11, 2005
Lansing, MI

Member Attendance

Member	Affiliation	Present	Excused	Absent
Joseph Turner – Chairperson	MI Municipal League		X	
Dale Berry – Vice Chairperson	MI Association of Ambulances	X		
Patricia Coates – Secretary	MI APCO	X		
Keith Bradshaw	Frequency Advisor	X		
Karen Chadwick	MI APCO	X		
Lloyd Collins	MI Association of Chiefs of Police		X	
Al Eichenberg	State of MI – MPSCS	X		
Lloyd Fayling	MI APCO		X	
Jim Fyvie	MI APCO		X	
Dave Held – Alt. Frequency Advisor	State of MI – DNR	X		
William Barnwell	MI Sheriff's Association			X
Bill Nelson	MI Association of Fire Chiefs		X	
Al Nowakowski	State of MI – MPSCS	X		

Other Attendees

Mike Whately	CSI
Brent Williams	MI Department of Community Health
Karl Beckman	Motorola

I. Call to Order

The meeting was called to order by Mr. Berry at 10:24 a.m. Attendees introduced themselves.

II. Approval of the Agenda

Mr. Bradshaw requested an addition under Old Business Portage versus St. Joseph interference complaint. Mr. Eichenberg requested an addition under new applications for an STA at Gaylord. Mr. Nowakowski requested the addition of a SEMI interference committee report and discussion of FCC recent action.
Motion by Bradshaw, supported by Eichenberg, to approve the agenda as amended. Motion carried unanimously.

III. Approval of the Minutes of the June 16, 2005 meeting

Motion by Chadwick, supported by Held, to approve the minutes as presented. Motion carried unanimously.

IV. Applications

A. Old Applications

1. MPSCS Bridgeport and Holly

Mr. Held recommended approval

Motion by Bradshaw, supported by Held, to approve. Motion carried unanimously

2. Monroe

Mr. Eichenberg explained that this is an application to make an STA permanent, one frequency removed as it would interfere with Macomb (867.55). Awaiting letter of concurrence from Lapeer.

Motion by Held, supported by Bradshaw, to approve pending concurrence from Lapeer. Motion carried unanimously

3. Other

No other old applications

B. New Applications

1. **Macomb County Modification**
Mr. Bradshaw explained they Macomb is moving two sites, and adding antenna. Mr. Held has not coordinated yet. Mr. Bradshaw did not provide the two week notice to the committee, so he recommended waiting until the next meeting for action.
Motion by Held, supported by Nowakowski, to table the Macomb application until next meeting. Motion carried unanimously
2. **MPSCS STA Gaylord**
Mr. Eichenberg stated that use by military affairs has saturated the site. The requested frequency, 868.7250 is already in use on system, 130 miles away
Motion by Held, supported by Coates, to approve coordination of the STA. Motion carried unanimously
3. **Other**
No other new applications.

V. **Old Business**

- A. **800 MHz Rebanding**
Mr. Nowakowski advised the committee of a NPSPAC freeze in border areas to Wave 1 September 27 (in Michigan this includes the southern three "rows" of counties). Still no agreement with Canada for Wave 4
- B. **System Implementation**
Discussion of FCC mandates for filing of construction notices
- C. **821 regional plan revision**
Mr. Bradshaw – no report
- D. **SE Michigan Subcommittee**
Both parties in the Oakland/Detroit swap still need to cancel old license
- E. **Broad band over power lines**
Mr. Held directed the committee to the APCO National web site for a good article. Grand Ledge area equipment is appearing on poles. Mr. Eichenberg advised that originally spectrum was not over 40 MHz, but they are actually going to 70 MHz.
- F. **Other Old Business**
 1. **Portage versus St Joseph City on 155.91**
APCO has received a formal complaint, Mr. Bradshaw has contacted both parties. As this is a mobile frequency, St Joseph is secondary and must cease interference. They could try lowering power and lowering antenna height, but may have to vacate frequency if not successful. Mr. Berry asked if MPSFAC has a role? Mr. Bradshaw has written a response, and this is advisory for the Committee at this time. Bradshaw contacted both parties on or about July 14.
Motion by Held, supported by Eichenberg, that MPSFAC support actions of the Frequency Advisor, including the letter to St. Joseph, and the letter to Portage in response to their letter. Motion carried unanimously

VI. **New Business**

- A. **Recent FCC Actions**
Mr. Nowakowski explained a new FCC mandate. For any system completed after April 25 of 2001, the licensee must file completion notice or the license will automatically expire one year after. The licensee must also file a completion notice ~~prior to submitting~~ for any amendments to the license. The ULS main search can search for completion notices, under the "build out" tab. Waiver of 1946 rule is possible until October. Expirations are being published weekly, and others are immediately licensing them.
- C. **Other New Business**
 1. Mr. Beckman advised that an applicant is suing Ohio, the Regional Committee and the Frequency Advisor for frequency warehousing. One of the issues is that the Committee did not follow its own rules. Mr. Bradshaw stated that he is still waiting to hear from the State on the legal status of MPSFAC, and cautioned that the committee must follow the plan, flawed as it is.
 2. Mr. Held discussed the new coordination system from APCO with Spectrum Watch, which he has been beta testing. It is Internet based, and does not have to be downloaded to special computer, providing greater capabilities and flexibility.
 3. Mr. Berry expressed thanks to Mr. Held, Mr. Bradshaw, Mr. Turner and Ms. Coates on behalf of the committee for their "extra" work.

VII.

Next meeting date

The following meeting will be September 30 at Tustin at 10:00.

VIII.

Adjournment

Motion by Bradshaw, Supported by Held, to adjourn. Motion carried unanimously.
The meeting was adjourned at 11:45 a.m.

Michigan Public Safety Frequency Advisory Committee Meeting
Meeting Agenda

Friday, September 30, 2005
At 10:00 a.m.
Kettenun Center
Tustin, MI

- I. Call to Order
- II. Introductions
- III. Approval of Agenda
- IV. Approval of Minutes of the August 11, 2005 meeting
- V. Applications
 - A. Old Applications
 - 1. Macomb Modification (tabled from last meeting)
 - 2. Other
 - B. New Applications
 - 1. MPSCS - Waters
 - 2. MPSCS - Richmond
 - 3. MPSCS - Ionia
 - 4. Two MPSCS - Macomb
 - 5. Three MPSCS mobile and FX1 applications
 - 6. Other
- VI. Old Business
 - A. 800 MHz Rebanding
 - B. System Implementation Committee
 - C. 821 Regional Plan Revision
 - D. South-East Michigan Frequency Subcommittee
 - E. Broad Band over Power Lines
 - F. Other
- VI. New Business
 - A. Other
- VII. Next meeting date
- VIII. Adjournment

** Region 21 700 MHz meeting immediately following MPSFAC

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Thursday, December 1, 2005
At 10:00 a.m.

At the Clinton County EOC
Lower Level of the courthouse on M-21 in St. Johns, MI

- I. Call to Order
- II. Introductions
- III. Approval of Agenda
- IV. Approval of Minutes of the October 27, 2005 meeting
- V. Applications
 - A. Old Applications
 - 1. Other
 - B. New Applications
 - 1. MPSCS - site in Toledo for Monroe County
 - 2. Macomb County - NPSPAC application
 - 3. Clinton County
 - 4. Other
- VI. Old Business
 - A. Interoperability Channel Deployment and Planning
 - B. 800 MHz Rebanding
 - C. System Implementation Committee
 - D. 821 Regional Plan Revision
 - E. South-East Michigan Frequency Subcommittee
 - F. Broad Band over Power Lines
 - G. Other
- VI. New Business
 - A. Other
- VII. Next meeting date
- VIII. Adjournment

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
December 1, 2005
St. Johns, MI

Member Attendance

Member	Affiliation	Present	Excused	Absent
Joseph Turner – Chairperson	MI Municipal League	X		
Dale Berry – Vice Chairperson	MI Association of Ambulances		X	
Patricia Coates – Secretary	MI APCO		X	
Keith Bradshaw	Frequency Advisor	X		
Karen Chadwick	MI APCO	X		
Lloyd Collins	MI Association of Chiefs of Police		X	
Al Eichenberg	State of MI – MPSCS	X		
Lloyd Fayling	MI APCO		X	
Jim Fyvie	MI APCO	X		
Dave Held – Alt. Frequency Advisor	State of MI – DNR	X		
William Barnwell	MI Sheriff's Association		X	
Bill Nelson	MI Association of Fire Chiefs	X		
Al Nowakowski	State of MI – MPSCS	X		

Other Attendees

Brent Williams	MI Department of Community Health
Mark Jongekrijg	Ottawa County
Mike Whately	RF Systems Inc.

I. Call to Order

Mr. Turner called the meeting to order at 10:13 a.m.

II. Introductions

Members and attendees introduced themselves.

III. Approval of Agenda

The agenda was approved as printed.

IV. Approval of Minutes of October 27, 2005

Motion by Fyvie, supported by Chadwick, to approve the minutes as amended. Motion carried unanimously.

V. Applications

A. Old

1. Dave Held requested if any committee members have a copy of the Detroit 800 application listing the UHF frequencies that were to be returned.
2. Al Eichenberg presented four corrected applications for Macomb County that had several parameter changes due to tower location changes and ERP calculations. Motion by Fyvie, supported by Held to approve an exception to the 3 mile contour. Motion carried.

B. New

1. The MPSCS application for the Toledo Ohio site was reviewed. A motion to approve was made by Held, supported by Bradshaw. Motion carried.

2. The revised Macomb County applications were discussed. Motion by Held, supported by Fyvie to approve the revised applications. Motion carried.
3. The Clinton County applications were reviewed. It was noted that the new frequency applications did not include the mobiles and the number of mobiles needed to be corrected. Motion by Held, supported by Bradshaw to approve the applications as amended. Motion carried. The issue of approving applications for channels allocated to adjacent counties was discussed. Applications have historically been approved that would necessitate a change in the 821 MHz plan.
4. The application for the Marysville Fire Dept. was discussed. Committee members offered several suggestions to accomplish the functionality including itinerant 700 MHz channels which are believed to be currently available. Bradshaw will contact Chief Konik and discuss the options. Motion by Nelson, supported by Bradshaw to defer this application.

VI. Old Business

- A. Interoperability- Al Eichenberg asked if all the members had received the license data he sent on the 800 MHz calling and TAC channels. He also indicated that he checked with MSP and they have no written policy on use of the 800 MHz interop/mutual aid channels. There was discussion regarding the need for a survey of PSAPs and agencies to determine what communications elements are still in place such as: Intercity, MEPPS, fire mutual aid etc. Chairman Turned was requested to write a letter to Governor Granholm requesting establishment of the state interoperability executive committee.
- B. 800 MHz rebanding- No report
- C. System Implementation Committee – An alternate frequency has been found for St. Joseph to resolve the interference issue discussed in previous meetings. The ability to research information on previously approved licenses was discussed as a tool in monitoring the implementation of slow growth option systems.
- D. 821 Regional Plan Revision – No Report
- E. South-East Michigan Frequency Subcommittee – No report
Ms. Coates reported that Oakland had been unable to cancel the frequencies, and the FCC indicated that a letter from MPSFAC may be necessary to do so.
- F. Broad Band over Power Lines - There is no change in the situation. The UTC has a website that provides BPL information.
- G. Other – The issue of liability of committee members for committee decisions and recommendations was discussed.

VII. New Business

Chairman Turner reported that he received a letter from Lloyd Fayling indicating that he is resigning from the committee. Chairman Turner will send Mr. Fayling a letter thanking him for his service to the committee.

VIII. Next Meeting Date

The next meeting will be February 2, 2005 @ 10:00 a.m. at the Clinton County EOC, St. Johns, MI

IX. Adjournment

Motion by Nowakowski, supported by Fyvie, to adjourn. Motion carried unanimously. Mr. Turner adjourned the meeting at 12:30 p.m.

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Thursday, February 2, 2006
At 10:00 a.m.

Next 3/7/06

At the Clinton County EOC
Lower Level of the courthouse on M-21 in St. Johns, MI

10:00 AM 700
11:00 AM 800

- I. Call to Order
- II. Introductions
- III. Approval of Agenda
- IV. Approval of Minutes of the December 1, 2005 meeting
- V. Applications

- A. Old Applications
 - 1. Other

B. New Applications

- 1. MPSCS - Ann Arbor site *JACKSON RD. / PERMANENT APPROVED*
- 2. MPSCS - Holly site *APPROVED.*
- 3. Other *Remove narrowband E.O. from I/O. REPRINT SCHED. H.*

VI. Old Business

- A. Interoperability Channel Deployment and Planning
- B. 800 MHz Rebanding
- C. System Implementation Committee
- D. 821 Regional Plan Revision
- E. South-East Michigan Frequency Subcommittee
- F. Broad Band over Power Lines
- G. Other

*8-18-06 MPSPAC
FREEZE 10-1-06
VOL. 11-1-06
MAND. 2-1-07 4-3-07*

VI. New Business

- A. MPSPAC Appointments, Alternates, and future meeting locations
- B. Other

WAVE AT 1-120 1/18/06

VII. Next meeting date

800TA.ORG

*FREEZE 1-120 3/3/06
VOL. NEG 4/3/06
MAND 7/3/06 OCT 2/06 EWR*

VIII. Adjournment

THESE ARE NEGOTIATIONS! PROPER HANDLING & REPRESENTATION IS IMPORTANT!

Phase IV has started. Has Warren been contacted?

NPSFAC TO START IN OCTOBER.

75 DAY PLANNING WINDOW HAS STARTED. CONTACT & CALL SIGN INFO TO TA. NOW!

DOCUMENTATION IS IMPORTANT! PROCEDURE FOR PLANNING & HAS BEEN CHANGED.

1/18 P. PLANNING WINDOW STARTED.

Mr. Eichenberg distributed revised co-channel contours. The overlap is with the State's MDOT site, which is no longer operational. Mr. Eichenberg explained that this is a shuffle of statewide frequencies in anticipation of St. Clair County joining the MPSCS.

Motion by Bradshaw, supported by Held, to approve the license application. Motion carried unanimously.

3. **Other**

Macomb distributed an application for next meeting, and explained that it is a correction of call signs, and corrects an emission designator on the NPSPAC interoperability channels from narrow band to wide band. Mr. Bradshaw will remove the narrow bands from the application entirely, per Mr. Nowakowski's comments. Also, Mr. Bradshaw explained the listing of portables, which now fall under mobiles. The 4500 listed is the total projected radio count. No action requested at this time.

V. **Old Business**

A. **Interoperability Channel Deployment**

Mr. Eichenberg stated that he ran contours on the NPSPAC, and there is a lot of overlap.

Mr. Held cautioned that non 800 users' need to be addressed. Need to look at which dispatch where will monitor which channels. Mr. Eichenberg can also run same study for MEPSS.

B. **800 MHz Rebanding**

Mr. Fyvie presented an email from Huron and Tuscola that they had been contacted by the TA to begin preparation. Should MPSCS put out information? FCC denied Nextel's request to extend the dates, but is allowing the TA some flexibility on a case by case basis. Ms. Coates explained the meeting of the APCO Winter Summit with the TA. Mr. Eichenberg explained that Nextel has a huge advantage, because if the licensee fails to negotiate, the agency may have to bear the cost of rebanding.

For the 1-120 channels, Wave 4 started January 18 for the preplanning window, freeze date is 3/3/06. Voluntary negotiations begin 4/3/06, mandatory dates are 7/3/06 through 10/2. For NPSPAC the preplanning begins 8/16/06, the freeze 10/1/06, voluntary 11/1/06, mandatory 2/1/07, end of mandatory is 4/30/07. MPSCS is coordinating licenses of associated systems tied to their system, but about 12 cities and counties have independent systems Canada will have little impact, as the treaty is already in place because the Nextel frequencies we will receive are not restricted by Canada.

Mr. Turner asked if MPSCS should put out a bulletin to agencies impacted. Mr. Fyvie recommends that the governmental entities be notified through MAC, MML, etc.

C. **System Implementation**

No report

D. **821 Plan Revision**

Mr. Bradshaw advised that the 800 Plan revision is waiting for the 700 plan

E. **SE Michigan Subcommittee**

Mr. Held stated that the Detroit VHF frequencies are being relicensed. Detroit has indicated the 450s won't be given up until September 1, 2007 although they are not using them. 423s have been relinquished.

F. **Broad band over power lines**

Mr. Fyvie advised that he had issued a news release, after which the consultants held a meeting in St Johns. The HAMS attended, and Eaton and Ingham. The vendor is now using a Motorola Canopy BPL solution from transformers on 5.2 GHz unlicensed, with a 5.3 mile radius. Mr. Williams stated that this system has a good track record.

G. **Other Old Business**

None

VI. **Old Business**

A. **Construction Completion Notices**

Mr. Held explained the new FCC mandate. For any system completed after April 25 of 2001, the licensee must file completion notice or license will automatically expire one year after. The licensee must also file a completion notice prior to submitting for any modifications. The Detroit office of the FCC has been very helpful to licensees. The ULS main search form can search for completion notices under license search in the "build out" tab. Waiver of

1946 rule is possible until October. Expirations are being published weekly, and others are immediately licensing them. If a yellow box on the Build Out search indicates "termination pending" there are no more waivers, and the licensee will have to go through the full licensing process.

D. 4.9 GHz

Mr. Eichenberg advised that MPSFAC should reconsider coordinating these frequencies. Point to point uses are secondary – mobile units are ten times the power of wifi. Mr. Eichenberg suggest that the Region 21 plan should have point to point in the upper channels, while point to multi point and mobile applications could be segregated in lower channels. The FCC has extended deadline for regional committees to submit plans for coordination. MDOT is looking at 4.9 for point to point and streaming video for traffic control. Mobile applications are approved so far only, applicants still need to apply for fixed point to point.

C. Cancellation of Channels on Existing Licenses

Mr. Nowakowski offered to send legal information to any interested member regarding the process, as well as the new FCC "pleading" procedure.

VII. New Business

- A. New York has asked for a 700 MHz waiver – Mr. Nowakowski suggests we support New York
- B. Ms. Chadwick introduced new APCO appointee, Mark Jongekrijg
- C. Alternates to MSPFAC.
Mr. Held stated that past practice already allows alternates,, but written notice should be sent to Chair. prior to the meeting

VII. Next meeting date

The next MPSFAC meeting will be March 7, 2006 at 11 following 700 MHz, at Collins Road.

VIII. Adjournment

Motion by Berry, Supported by Eichenberg, to adjourn. Motion carried unanimously.
The meeting was adjourned at 12:05 p .m.

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Tuesday, March 7, 2006

At 11:00 a.m.

(Immediately Following the Region 21 700 MHz RPC meeting)

At the Michigan State Police Communications
4000 Collins Road, East Lansing, MI

- I. Call to Order
- II. Introductions
- III. Approval of Agenda
- IV. Approval of Minutes of the February 2, 2006
- V. Applications
 - A. Old Applications
 - 1. Macomb County *approval existing, support held.*
 - B. New Applications
 - 1. City of Lansing *approved*
 - 2. City of Jackson *submitted*
 - 3. Other *2 new MPSCS apps for next time*
- VI. Old Business
 - ✓ A. Interoperability Channel Deployment and Planning *MARK IC TO HEAD SUB COMMITTEE.*
 - ✓ B. 800 MHz Rebanding
 - ✓ C. System Implementation Committee
 - ✓ D. 821 Regional Plan Revision *we form a sub committee.*
 - ✓ E. South-East Michigan Frequency Subcommittee
 - ✓ F. Broad Band over Power Lines
 - ✓ G. Other
- VI. New Business
 - ✓ A. Clinton County 460.325
 - B. Other
- VII. Next meeting date
- VIII. Adjournment
 - 4-18-06 Next mtg*
 - 4000 Collins Rd*
 - 10:00 am*

JOATHS!

7 MPSCS APPS. I will do these!

conditional approval pending LOC.

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
April 18 2006
East Lansing, MI

Member Attendance

Member	Affiliation	Present	Excused	Absent
Joseph Turner – Chairperson	MI Municipal League	X		
Dale Berry – Vice Chairperson	MI Association of Ambulances			X
Patricia Coates – Secretary	MI APCO	X		
Keith Bradshaw	Frequency Advisor			X
Karen Chadwick	MI APCO	X		
Lloyd Collins	MI Association of Chiefs of Police	X		
Al Eichenberg	State of MI – MPSCS	X		
Mark Jongekrijg	MI APCO	X		
Jim Fyvie	MI APCO	X		
Dave Held – Alt. Frequency Advisor	State of MI – DNR	X		
William Barnwell	MI Sheriff's Association			X
Bill Nelson	MI Association of Fire Chiefs		X	
Al Nowakowski	State of MI – MPSCS	X		
Other Attendees				
Mike Whately	RF Engineering			

- I. Call to Order**
The meeting was called to order by Mr. Turner at 10:15 a.m. Chairman Turner advised that the meeting would be audio taped. Attendees introduced themselves.
- II. Approval of the Agenda**
Motion by Collins, supported by Chadwick, to approve the agenda as written. Motion carried unanimously.
- III. Approval of the Minutes of the March 7, 2006 meeting**
Motion by Fyvie, supported by Held, to approve the minutes as presented. Motion carried unanimously.
- IV. Applications**
- A. Old Application**
1. **Jackson County**
The application had been approved pending a letter of concurrence from the State. Mr. Eichenberg stated that the letter had been provided, and the application is at the FCC.
 2. **Macomb County**
No report
 3. **Other.**
No other old applications
- B. New Applications**
1. **MPSCS**
 - a. Saulte St Marie and Flatrock
Mr. Held stated that the applications merited approval.
Motion by Coates, supported by Fyvie, to approve. Motion carried unanimously.
 2. **Oakland County**

Mr. Eichenberg distributed revised co-channel contours. The overlap is with the State's MDOT site, which is no longer operational. Mr. Eichenberg explained that this is a shuffle of statewide frequencies in anticipation of St. Clair County joining the MPSCS.

Motion by Bradshaw, supported by Held, to approve the license application. Motion carried unanimously.

3. Other

Macomb distributed an application for next meeting, and explained that it is a correction of call signs, and corrects an emission designator on the NPSPAC interoperability channels from narrow band to wide band. Mr. Bradshaw will remove the narrow bands from the application entirely, per Mr. Nowakowski's comments. Also, Mr. Bradshaw explained the listing of portables, which now fall under mobiles. The 4500 listed is the total projected radio count. No action requested at this time.

V. Old Business

A. Interoperability Channel Deployment

Mr. Eichenberg stated that he ran contours on the NPSPAC, and there is a lot of overlap.

Mr. Held cautioned that non 800 users' need to be addressed. Need to look at which dispatch where will monitor which channels. Mr. Eichenberg can also run same study for MEPSS.

B. 800 MHz Rebanding

Mr. Fyvie presented an email from Huron and Tuscola that they had been contacted by the TA to begin preparation. Should MPSPAC put out information? FCC denied Nextel's request to extend the dates, but is allowing the TA some flexibility on a case by case basis. Ms. Coates explained the meeting of the APCO Winter Summit with the TA. Mr. Eichenberg explained that Nextel has a huge advantage, because if the licensee fails to negotiate, the agency may have to bear the cost of rebanding.

For the 1-120 channels, Wave 4 started January 18 for the preplanning window, freeze date is 3/3/06. Voluntary negotiations begin 4/3/06, mandatory dates are 7/3/06 through 10/2. For NPSPAC the preplanning begins 8/16/06, the freeze 10/1/06, voluntary 11/1/06, mandatory 2/1/07, end of mandatory is 4/30/07. MPSCS is coordinating licenses of associated systems tied to their system, but about 12 cities and counties have independent systems Canada will have little impact, as the treaty is already in place because the Nextel frequencies we will receive are not restricted by Canada.

Mr. Turner asked if MPSPAC should put out a bulletin to agencies impacted. Mr. Fyvie recommends that the governmental entities be notified through MAC, MML, etc.

C. System Implementation

No report

D. 821 Plan Revision

Mr. Bradshaw advised that the 800 Plan revision is waiting for the 700 plan

E. SE Michigan Subcommittee

Mr. Held stated the the Detroit VHF frequencies are being relicensed. Detroit has indicated the 450s won't be given up until September 1, 2007 although they are not using them. 423s have been relinquished.

F. Broad band over power lines

Mr. Fyvie advised that he had issued a news release, after which the consultants held a meeting in St Johns. The HAMS attended, and Eaton and Ingham. The vendor is now using a Motorola Canopy BPL solution from transformers on 5.2 GHz unlicensed, with a 5.3 mile radius. Mr. Williams stated that this system has a good track record.

G. Other Old Business

None

VI. Old Business

A. Construction Completion Notices

Mr. Held explained the new FCC mandate. For any system completed after April 25 of 2001, the licensee must file completion notice or license will automatically expire one year after. The licensee must also file a completion notice prior to submitting for any modifications. The Detroit office of the FCC has been very helpful to licensees. The ULS main search form can search for completion notices under license search in the "build out" tab. Waiver of

1946 rule is possible until October. Expirations are being published weekly, and others are immediately licensing them. If a yellow box on the Build Out search indicates "termination pending" there are no more waivers, and the licensee will have to go through the full licensing process.

D. 4.9 GHz

Mr. Eichenberg advised that MPSFAC should reconsider coordinating these frequencies. Point to point uses are secondary – mobile units are ten times the power of wifi. Mr. Eichenberg suggest that the Region 21 plan should have point to point in the upper channels, while point to multi point and mobile applications could be segregated in lower channels. The FCC has extended deadline for regional committees to submit plans for coordination. MDOT is looking at 4.9 for point to point and streaming video for traffic control. Mobile applications are approved so far only, applicants still need to apply for fixed point to point.

C. Cancellation of Channels on Existing Licenses

Mr. Nowakowski offered to send legal information to any interested member regarding the process, as well as the new FCC "pleading" procedure.

VII. New Business

- A. New York has asked for a 700 MHz waiver -- Mr. Nowakowski suggests we support New York
- B. Ms. Chadwick introduced new APCO appointee, Mark Jongekrijg
- C. Alternates to MSPFAC.
Mr. Held stated that past practice already allows alternates,, but written notice should be sent to Chair. prior to the meeting

VII. Next meeting date

The next MPSFAC meeting will be March 7, 2006 at 11 following 700 MHz, at Collins Road.

VIII. Adjournment

Motion by Berry, Supported by Eichenberg, to adjourn. Motion carried unanimously.
The meeting was adjourned at 12:05 p.m.

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Tuesday, June 13, 2006
10:00 a.m.

At the Michigan State Police Communications
4000 Collins Road, East Lansing, MI

- I. Call to Order
- II. Introductions
- III. Approval of Agenda
- IV. Approval of Minutes of the April 18, 2006
- V. Applications
 - A. Old Applications
 - 1. Other
 - B. ~~New Applications~~
 - 1. MPSCS - Battle Creek
 - 2. MPSCS - WPIH522 Mobile License Consolidation
 - 3. Other
- VI. Old Business
 - A. Interoperability Channel Deployment and Planning
 - B. 800 MHz Rebanding
 - C. System Implementation Committee
 - D. 821 Regional Plan Revision
 - E. South-East Michigan Frequency Subcommittee
 - F. Broad Band over Power Lines
 - G. Other
- VI. New Business
 - A. Other
- VII. Next meeting date ~~THU~~ Tuesday August 22, 2006
- VIII. Adjournment 1

Next July 11 - 700 MHz RPC

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Thursday, October 25, 2007
11:00 a.m.

(Immediately Following Region 21 700 MHz RPC meeting)

Zehnder's Restaurant – Keeping Room
Frankenmuth, MI

- I. Call to Order
- II. Introductions
- III. Approval of Agenda
- IV. Approval of Minutes of the May 24, 2007 meeting *Minutes TBA*
** I come up with minutes*
- V. Applications
 - A. Old Applications
 - 1. Other

 - B. New Applications
 - 1. State of MI 866.600 Waters, Otsego Co., MI *VARIOUS COUNTIES, OTSEGO (MPSCS)*
 - 2. State of MI 867.050 Bombay, Midland Co MI *DOWN RIVERA (MPSCS)*
 - 3. State of MI 868.875 Sterling, Arenac Co MI *SW (MPSCS)*
 - 4. State of MI 867.775 Bliss, Emmet Co MI *WARREN CO (MPSCS)*
 - 5. State of MI 866.45, 868.875, 866.875, 867.375 Washtenaw Co MI *(MPSCS) 2602 MOVING*
 - 6. Other
- VI. Old Business
 - A. By Laws Revision
 - B. Interoperability Channel Deployment and Planning
 - C. Use of MEPPS by Roads
 - D. 800 MHz Rebanding
 - E. System Implementation Committee
 - F. 821 Regional Plan Revision
 - G. South-East Michigan Frequency Subcommittee
 - H. Broad Band over Power Lines
 - I. Other
- VII. New Business
 - A. Other
- VII. Next meeting date
before 700 12-20-07 11:00 am

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Wednesday, July 23, 2008
10:00 a.m.

MSP Communications
4000 Collins Rd, Lansing, MI

- I. Call to Order
- II. Introductions
- III. Approval of Agenda
- IV. Approval of Minutes of the June 13, 2008 meeting
- V. Applications

✓ A. Old Applications
1. Other

B. New Applications
✓ 1. MSP HQ - Site 1106
✓ 2. MSP - Beech Daly
3. Other

VI. Old Business

- ✓ A. By Laws Revision
- ✓ B. Interoperability Channel Deployment and Planning *CASM* *W/B/MSPAS SIEC DosCase, VR / Gordon*
- ✓ C. Use of MEPPS by Roads ?
- ✓ D. 800 MHz Rebanding
✓ 1. Role of regional committees - Bill Carter (reschedule) ?
✓ 2. Sprint letter
✓ 3. Other
- ✓ E. System Implementation Committee
- ✓ F. 821 Regional Plan Revision
- ✓ G. Other

VI. New Business

- A. Other

VII. Next meeting date *8-26-08 10 AM*

VIII. Adjournment

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
August 26, 2008
Lansing, MI

Member Attendance

Member	Affiliation	Present	Excused	Absent
Joseph Turner – Chairperson	MI Municipal League	X		
Dale Berry – Vice Chairperson	MI Association of Ambulances	X		
Patricia Coates – Secretary	MI APCO	X		
William Barnwell	MI Sheriff's Association			X
Keith Bradshaw	Frequency Advisor		X	
Thomas Briggs	MI Department of Transportation	X		
Lloyd Collins	MI Association of Chiefs of Police	X		
Mark Jongekrijg	MI APCO		X	
Jim Fyvie	MI APCO	X		
Dave Held – Alt. Frequency Advisor	MI APCO	X		
Pam Matelski	State of MI – MPS		X	
Kasey Mlujeak	State of MI – Corrections	X		
Bill Nelson	MI Association of Fire Chiefs	X		
Al Nowakowski	State of MI – MPSCS	X		
Kathy Vosburg	MI Association of Counties		X	

Other Attendees

Mike Muskovin Ottawa County 911
 Brent Williams State of MI – Community Health

I. Call to Order

The meeting was called to order by Mr. Turner at 10:07 AM.

II. Introductions

Attendees introduced themselves.

III. Approval of Agenda

Motion by Collins, supported by Held, to approve the agenda as written. Motion carried unanimously.

IV. Approval of the Minutes of the July 23, 2008.

Mr. Jongekrijg noted that the minutes incorrectly list him as absent, Motion by Collins, supported by Fyvie, to approve the minutes, Motion carried unanimously..

V. Applications

A. Old Applications

1. Jackson County – No Update
- 2, No other old applications

B. New Applications

1. **Macomb County**

Mr. Turner presented an email from Mr. Bradshaw, requesting that the Macomb application be tabled. **Motion** by Held, supported by Collins, to table the Macomb application. Motion carried unanimously.

2. **State of Michigan – Davison Correction**

The application seeks to correct an error in the latitude and longitude of the Davison site, an already existing site causing no known issues, It is not an application to move the site. **Motion** by Berry, supported by Fyvie, to approve. Motion carried unanimously.

3. **Other – No other new applications**

VI. Old Business

A. By Law Revision

Mr. Held distributed bound copies of the approved By Laws to committee members. Mr. Eichenberg advised that ms. Pam Matelski had been appointed to serve as the Michigan State Police representative.

B. Interoperability Channel Deployment and Planning

There was discussion of non-standard channel naming, such as “MEDCOM” and “MEDTAC”. Chief Nelson recommended 154.295 for statewide fire interoperability, and suggested that the focus be strategy rather than building infrastructure. Mr. Turner will write to Mike Garland and request a copy of the SCIP.

C. Use of MEPSS by Road Commissions

The report is due in August from the test agency.

D. Rebanding

The Committee discussed its role in the rebanding and a potential repack of channels.

E. System Implementation Subcommittee

No report.

F. 821 Regional Plan revision

Mr. Bradshaw emailed his recommendations and requested that members review them for the next meeting.

G. Other

VII. New Business

A. Letter Head

Mr. Held distributed copies of new business letter head stationery for MPSFAC, and will email electronic copies

C. Other – no other new business

VIII. Next Meeting Date.

The next meeting will be September 24 or 26 at Tustin, time and location to be coordinated with the APCO conference committee. The following meeting will be October 23 in Frankenmuth in conjunction with the APCO annual meeting.

IX. Adjournment

Motion by Collins, supported by Fyvie, to adjourn. Motion carried unanimously. The meeting was adjourned at 11:40 AM

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Friday, September 26, 2008
10:30 a.m.
Tustin, MI

- ✓ I. Call to Order 10:35A
- ✓ II. Introductions
- ✓ III. Approval of Agenda
- ✓ IV. Approval of Minutes of the August 26, 2008 meeting
- V. Applications
 - A. Old Applications
 - 1. Jackson
 - ✓ 2. Macomb County *Loc 3 approved*
 - 3. Other *Loc 5 approved Contingent on adj. demand.*
 - ~~B. New Applications~~ *Loc 6 approved Contingent on " "*
 - 1. Other
- VI. Old Business
 - ~~A. By Laws Revision~~
 - B. Interoperability Channel Deployment and Planning
 - ~~C. Use of MEPPS by Roads~~
 - ✓ D. 800 MHz Rebanding
 - E. System Implementation Committee
 - F. 821 Regional Plan Revision
 - G. Other
- VI. New Business
 - A. Other *RE-PACKING PLAN*
- VII. Next meeting date
- VIII. Adjournment

Michigan Public Safety Frequency Advisory Committee Draft Agenda

Wednesday, December 10, 2008
10:00 a.m.
Lansing, MI

- ✓ I. Call to Order *10:15 am*
- ✓ II. Introductions
- ✓ III. Approval of Agenda
- ✓ IV. Approval of Minutes of the October 23, 2008 meeting
- ✓ V. Applications
 - A. Old Applications
 - 1. Other
 - ✓ B. New Applications
 - 1. Macomb County – 866.650 all sites STA (*next meeting*)
 - 2. State of MI – Saginaw base station STA
 - 3. State of MI – Saginaw mobile & control station STA
 - 4. Other

- ✓ VI. Old Business
 - A. Interoperability Channel Deployment and Planning
 - B. Use of MEPPS by Roads
 - C. 800 MHz Rebanding
 - D. System Implementation Committee
 - E. 821 Regional Plan Revision
 - F. Other
- VII. New Business
 - A. Other
- VIII. Next meeting date
- ~~VIII.~~ Adjournment
- IX. ** Waiver needed for Issue / IPAC to fall to Canada
—— talk to FCC about this.*

10 December 2008

Regular Meeting of the Michigan Public Safety Frequency Advisory Committee
4000 Collins Road, Lansing, MI

- I Call to Order
The meeting was called to order by Chairman Turner at 10:15 am. Keith Bradshaw is appointed Acting Secretary as Pat Coates is unable to attend.
- II Introductions
In Attendance were: Al Nowakowski,MPSCS; Kasey Mlujeak,Michigan DOC; Joe Turner,Chairman; Shelley Heindel,MSP; Brent Williams,MDCH-EMS; Tom Briggs,MDOT; Jim Fyvie,APCO; Dale Berry,MAAS; Dave Held,APCO; Keith Bradshaw,APCO; Pat Coates, Kathy Vosburg, and Bill Nelson being excused.
- III Approval of Agenda
Motion Held, support Berry, to approve the agenda for today's meeting. Motion Carried by voice vote.
- IV Approval of Minutes of 23 October 2008
This item to be deferred until next meeting.
- V Applications
- A. Old Applications
1. Discussion of old 700 MHz app from Detroit.
- B. New Applications
1. Macomb County – 866.650 all sites STA. No app presented.
 2. State of MI – MPSCS Saginaw add-on Base Station app. **Motion Held, Support Berry to approve Saginaw Base Station application contingent upon receipt by the Committee of a list of VHF/UHF give back frequencies or an explanation as to why such a list will not be furnished to the Committee. Motion approved by voice vote.**
 3. MPSCS Saginaw add-on Mobile app. **Motion Bradshaw, Support Berry to approve. Motion carried by voice vote.**
- VI Old Business
- A. Interoperability Channel Deployment and Planning. Discussion of Border Area I/O comms with the Canadians. The FCC is still trying to decide what to do with the ICALL/ITAC channels in the border region. It may be necessary for those agencies that need to talk with the Canadians on the old ICALL/ITAC to obtain a waiver from the FCC to do so. These channels may be used for the

VI A. continued

express purpose of communication with Canadian authorities ONLY. No other communications on the old ICALL/ITAC will be permitted. It is the tenor of the Committee to include these Canadian I/O channels using the Canadian naming in our I/O plan document. Also to be included are the new 800 MHz I/O channels with the new naming as given by NPSTC. Chairman Turner to send a memo to the Michigan Municipal League, Michigan Association of Counties and the Michigan Townships informing these entities of the I/O channel naming and use as discussed. Discussion of ITAC repeaters. This issue to be addressed in the 821 plan rewrite.

B. Use of MEPPS by Road Commissions. As no correspondence from the participating Road Commissions as been received by this Committee as of this date, Chairman Turner is to communicate with the relevant entities to furnish this report forthwith. Else, authorization to continue the arrangement to utilize MEPPS will be withdrawn and the FCC so informed.

C. 800 MHz Rebanding. Discussion.

D. System Implementation Committee. **Motion Bradshaw, Support Briggs to disband the System Implementation Committee and return this function to the Committee as a whole. Motion Carried by voice vote.**

E. 821 Regional Plan Revision. Discussion of the frequency sort from the first version of the 821 Plan. Suggestion is to retain the "old" sort for future reference while inserting the "new" sort in its place for submission to the FCC. Adjacent regions to be contacted concerning the "old" sort and its accuracy.

VII New Business

A. Other. The State of Michigan has applied for a waiver to enable the International Transmission Corporation access to the MPSCS for routine daily use. Discussion.

VII Next Meeting Date. The next meeting of the MPSFAC is to be held at 4000 Collins Road, Lansing MI on Wednesday, 14 January at 10:00 am.

IX Adjournment. **Motion Berry, Support Bradshaw to adjourn. Motion Carried by voice vote. The meeting is adjourned at 11:50 am.**

Respectfully Submitted by Keith M. Bradshaw acting Secretary.

Year	Date	Where	Agenda	Minutes
2003	Feb 26 (24)	Ann Arbor	x	x
	23-Jun	Ann Arbor		x
	23-Oct	Frankenmuth	x	x
	26-Sep	Tustin	x	x
2004	26-Feb	Ann Arobor	x	x
	25-Mar	Williamston	x	x
	9-Jun	Ann Arbor	x	x
	14-Sep	Washtenaw	x	x
	7-Dec	Ann Arbor	x	x
2005	11-Aug	Lansing	x	x
	30-Sep	Tustin	x	
	1-Dec	St Johns	x	x
2006	2-Feb	St Johns	x	x
	7-Mar	Lansing	x	x
	13-Jun	Lansing	x	
2007	25-Oct	Frankenmuth	x	
2008	23-Jul	Lansing	x	x
	28-Sep	Tustin	x	
	10-Dec	Lansing	x	x
2009	30-Jan	Lansing	x	x
	9-Apr	Lansing	x	x
	18-Jun	Mt Clemens	x	x
	30-Sep	Tustin	x	x
	22-Oct	Frankenmuth	x	x
	19-Nov	St Johns	x	x
2010	21-Jan	Detroit	x	x
	22-Apr	Ottawa County	x	x
	17-Jun	St Johns	x	x
	26-Aug	St Johns	x	x
	28-Oct	Frankenmuth	x	
2011	24-Mar	St Johns		x
	5-Aug	St Johns	x	x
	30-Sep	Tustin	x	x
	27-Oct	Frankenmuth	x	
2012	12-Jan	St Johns	x	
	3-May	St Johns	x	x
	12-Jul	St Johns	x	
	25-Oct	Frankenmuth	x	

Agenda
Michigan Public Safety Frequency Advisory Committee
Washtenaw County Ambulance, Ann Arbor, Michigan
February 24, 2003 ^{11:00 AM} FEB 26?

Call to Order (Vice-Chairman Folske) 11:04 am

Attendance

Approval of Agenda

Approval of Minutes of last Regular Meeting NO MINUTES from last mtg.

New Business

A) Status of Committee

- i) Current Membership
- ii) Current Officers
- iii) Vacant Positions

✓ B) Election of New Officers

C) Amend/Update 821 Regional Plan

- i) Addition of Bylaws (use from 700MHz region 21 plan)
- ii) 40 db contours in the context of a wide area system *we should discuss this next time*
- iii) Frequency Sort
- iv) ~~FCC Notification~~ *MR*

✓ D) Status of Pending Applications *Genesee Mason/Oceana*

E) Status of System Buildouts

- ✓ i) MPSCS
- ✓ ii) City of Detroit *Water & Sewerage System*
- ✓ iii) Oakland County
- ✓ iv) Mason/Oceana *Next meeting*
- ✓ v) Genesee County
- vi) Others *Down River system, Allegan (find out) Harper Woods*

Old Business

Call from the Floor *Petition FCC for use of MSP VHF Freqs. (Item #16)
Get a letter from MSP, or waiver.*

Adjourn 11:25 PM

* Detroit Chief of Police Jerry Brown - send correspondence to him directly.

*We combine 821, MSP for 700. I will correspond with FCC.
Can will everyone before sending letters.*

Call Dave Reed about 700 MHz for doing

Next meeting
June 17, 2003
10:00 AM

MICHIGAN PUBLIC SAFETY FREQUENCY ADVISORY COMMITTEE

February 26, 2003

Ann Arbor, Michigan

MEETING MINUTES

Attendees:

Keith Bradshaw
Patricia Coates
Chief Lloyd Collins
Allen Eichenberg
William Folske
Chief William Nelson
Al Nowakowski
Joseph Turner
Harry Warner

Representing:

Michigan APCO Frequency Coordinator
Michigan APCO
Michigan Association of Chiefs of Police
State of Michigan
Michigan APCO
Michigan Association of Fire Chiefs
State of Michigan
Retired – Michigan Municipal League
Retired – Michigan State Police

The meeting was called to order by Mr. Bradshaw at 10:05 A.M.

Self-introductions were made.

Mr. Bradshaw advised that all pending applications had been withdrawn, pending additional non-interference studies and other updates. There was some discussion of the frequency coordination procedures and databases. It was agreed that much institutional had been lost due to the retirement of Mr. Folske, and the Committee supported Mr. Folske's continued participation as a second alternate Frequency Coordinator, which would provide him access to the APCO data.

Organizational matters were discussed, including membership. The group discussed the fourth Michigan APCO representative, as yet unnamed. One of the AAPCO appointments has traditionally been an employee of the City of Detroit; however, very few Detroit members are current members of APCO and attempts to contact those who are have been futile. Contact information for the previous APCO appointee from the City of Detroit is no longer valid.

The group discussed the similar issues, missions and membership common to both the Region 21 NPSPAC Committee and the Region 21 700 MHz Planning Committee. Separate meetings of the two groups were determined to be time consuming, especially since most of the same members attend both meetings. MPSFAC is identified in both plans as the plan administrator. Moved by Chief Nelson, supported by Chief Collins, to combine the NPSPAC 821 MHz Region 21 Committee and the Region 21 700 MHz Planning Committee into a single entity, to be administered by MPSFAC. Motion passed unanimously.

Due to the reorganization of both committees under MPSFAC, and the retirement of Mr. Warner, it was determined that an election of officers was appropriate. Mr. Turner, previous Chairperson of the Region 21 700 MHz Planning Committee, was elected Chairperson of MPSFAC. Mr. Folske, previous Vice-chairperson of the Region 21 800 MHz NPSPAC Committee, was elected Vice-chairperson of MPSFAC. Ms. Coates, previous Treasurer of the Region 21 700 MHz Planning Committee, was elected Secretary/Treasurer of MPSFAC.

Mr. Turner assumed chairmanship of the meeting.

Mr. Bradshaw pointed out several areas in which the 821 MHz and 700 MHz might appear to differ, and suggested that the Committee would need to review the two plans for concurrence. He also advised that the Interoperability Subcommittee should be reinstated to make certain that the two plans are in agreement.

Mr. Bradshaw advised that the 700 MHz frequency sort, expected in November of 2002, had not yet been received. Ms. Coates advised that copies of the 700 MHz plan had been sent to adjacent regions, but formal concurrence could not be expected until the frequency sort was received and discussed with the adjacent regions.

The proposal from Nextel for the redistribution of the 800 MHz spectrum currently before the F.C.C. was discussed.

The Committee determined that MPSFAC should meet on a more regular basis, even when no applications are pending, due to the many issues facing public safety radio communications. It was determined that MPSFAC would meet at a minimum of four times annually. Special meeting would be called if frequency applications require action between regular quarterly meetings.

The next meeting date was set for June 17, at 10:00 A.M. at Huron Valley Ambulance.

Meeting adjourned at 11:45 A.M.

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
Monday, June 23, 2003
10:00 a.m.
Huron Valley Ambulance
2215 Hogback Road, Ann Arbor

Members Present

Joseph Turner - Chairperson	Michigan Municipal League
William Folske - Vice Chairperson	Michigan APCO
Patricia Coates - Secretary	Michigan APCO
Keith Bradshaw	Michigan Frequency Coordinator
William Nelson	Michigan Association of Fire Chiefs
Al Nowakowski	State of Michigan - MPSCS

Other Attendees:

Karl Beckman	Motorola
Andre Brooks	Detroit PD
David Held	Retired - State of Michigan
Dennis McDowell	M/A COM
Steve Lasher	Motorola
Chris Lonnett	Motorola
Theresa McCucan	City of Detroit
Harry Warner	Retired - State of Michigan
Michael Whately	CSI

I. Call to Order

Mr. Turner called the meeting to order at 10:05 a.m.

II. Introductions

Attendees introduced themselves

III. Approval of Agenda

Agenda was approved by consensus

IV. Approval of Minutes of February 25, 2003 meeting

Mr. Beckman initiated discussion regarding the minutes of the previous meeting, stating that the decision to combine the MPSFAC and Region 21 700 MHz Committees into a single committee was incorrect. Mr. Beckman stated the two must be separate committees with separate meeting notices, per the FCC.

Mr. Bradshaw initiated discussion regarding the procedure to disseminate applications prior to MPSFAC meetings, requesting that they be distributed electronically to all members at least two weeks prior to the meetings. Mr. Warner stated the Region 54 makes it the responsibility of the applicant to disseminate copies of applications. Ms. Coates stated that the Region 21 Committee had also had a similar policy in the past.

Motion by Mr. Folske, supported by Mr. Nowakowski, that MPSFAC and Region 21 700 MHz

Meeting Notices be posted separately on the Michigan APCO home page, and that applicants be required to provide advance copies of applications to members prior to meetings. Motion carried unanimously.

Minutes were approved by consensus with discussion noted.

V. Applications

- A. MPSCS
The MPSCS application to delete frequencies from one site and move to another was pulled off the table by Mr. Nowakowski pending investigation of adjacent channel conflicts.
- B. Genesee County
The Genesee County application was a single site, with the intent to expand to a seven-site system. Mr. Bradshaw stated that the Committee should be able to consider all sites. Of the six additional sites, Genesee does not have clear title to one. Mr. Bradshaw also advised of adjacent channel conflicts with Clinton, Lapeer and Oakland Counties. No contour maps were provided. Mr. Nowakowski stated that the State of Michigan is prepared to submit preliminary contours.
Motion by Bradshaw, supported by Folske to return application to applicant for revision and additional information. Motion carried unanimously.
- C. Oakland County
Ms. Coates provided copies of applications and contours to all attendees. Mr. Bradshaw described the proposed multi site M/A Com system, and stated that the applications were reasonably complete. Ms. Coates explained that the County had met with the Frequency Advisors regarding concerns with the frequencies that had been coordinated and licensed. Although one site is already on the air, other sites need to be licensed, and there is concern regarding adjacent channel interference for the frequencies as coordinated. Per the direction of the Frequency Advisors, it is Oakland County's responsibility to locate other appropriate frequencies and the County has had several teams of consultants researching the databases in order to prepare the applications. For every new frequency licensed, the County will give back one of the 800 frequencies already licensed. Discussion included the adjacent channels in Detroit; Mr. Bradshaw stated that he had monitored 868.6875/868.7125 and could detect no activity from Detroit. The Committee discussed emission designators of the M/A COM system, and the use of the lower 30 channels north of line A. Mr. Bradshaw cited portions of the Part 90 rules requiring interference to be alleviated only after a complaint is filed.
Mr. Bradshaw stated that the Committee could approve at least two of the applications, and table the others until M/A COM could provide emissions information. Mr. McDowell offered to obtain emissions designator information prior to the end of the meeting
Motion by Nowakowski, supported by Bradshaw, to table the application. Five "ayes", one abstention by Coates, motion carried
- D. Wayne County
Mr. Lonnett stated that there is no application at this time. Wayne County's concern is for interoperability with surrounding consortiums. Emergency Management is researching grant money to utilize TAC channels. Discussion included the licensing of

the TAC and national calling channels by the State.

E. City of Detroit

Mr. Bradshaw advised the Committee that Detroit is licensed for twenty 806 and twenty-five NPSPAC channels. Monitoring had detected no activity on the NPSPAC and little on the 806 channels.

Ms. McCucan stated that the system is on the air at one temporary site, and that all channels are being used by 60 users. The city's analog system is being "moved off" to a new system for which bids are due by next Wednesday. The city is fully funded for the \$100 million new system and will utilize a portion of the State's system. The final system will include police, fire, EMS, and the water department. The city anticipates the water department portion of the system will be operational by the end of the year. The city will assign some of its channels to the State for the water department's coverage area. The other users will migrate to the system by June of 2004. Final loading will be 9000 radios, plus some growth. The system will initially use existing sites, but the city anticipates building new sites and adding MPSCS sites. Beauford and Goff are Detroit's consultants. The city anticipates an executive order will be signed by July 18th.

Mr. Turner questioned the anticipated new growth. Ms. McCucan stated that possible additional users would include health and other city employees who do not currently have radios.

Mr. Bradshaw inquired if the City has a written implementation schedule. Ms. McCucan stated that would be provided once the bids are opened, and stated yes when asked if the plan would include the 806 frequencies.

Ms. McCucan stated that the City would continue to utilize their UHF frequencies, but that all VHF frequencies would be givebacks. Detroit will provide a written update to Mr. Bradshaw by the end of July.

F. Macomb County

For informational purposes only. Mr. Bradshaw stated that Macomb County is proceeding with an independent 800 MHz system and has funding for preliminary sites.

- G. Monroe County and St Clair County are discussing systems, but no applications have been received. Mr. Bradshaw stated that Ohio will be an interference problem for Monroe, as Ohio has "temporarily" licensed all 263 NPSPAC frequencies at 1000 ERP. Mr. Bradshaw further stated that the FCC will not act until another system is built and experiences interference. Mr. Turner and Mr. Bradshaw will draft a letter to the Ohio Regional Committee and copy the FCC, to advise them that Region 21 is aware of the situation.

VI. Other Business

- A. The Consensus Plan will create a new NPSPAC Plan, which the Regional Committees will control. Mr. Bradshaw will draft a letter to the FCC affirming Region 21's interest in overseeing the new NPSPAC Plan.
- B. The Committee discussed the need to rewrite the 821 Plan. Mr. Bradshaw stated that bylaws are mentioned in the Plan, but not included. Small changes reflected in the 700 MHz Plan should also be made in the 821 Plan for consistency. Also, the dated "source" database should be replaced with one that reflects current and actual allocations. Possible funds through FEMA to support the rewrite were discussed, as the rewrite would address interoperability and coordination with the State Emergency Management. Mr. Bradshaw reminded the Committee that such a rewrite would necessitate formal reopening, public

hearings, concurrence from adjacent regions, and resubmission to the FCC. Mr. Turner suggested the Committee target the meeting at Tustin for a public hearing.

- C. A System Implementation Subcommittee should be formed. The Subcommittee should begin a survey of all 800 MHz systems in Michigan to determine their construction status, and assure that systems make reasonable progress in implementation
- D. The Committee discussed several vacancies. **Motion** by Bradshaw, supported by Folske, to appoint Dave Held to the MPSFAC Committee as the third representative from the State of Michigan, representing the DNR. Motion carried unanimously.
- E. Mr. Bradshaw advised the Committee of conversations with Mr. Eichenberg regarding the State's plan to discontinue MEPSS. Towers are to be torn down and the State has allowed some licenses to lapse, including the one for Macomb. Mr. Warner stated that this is a budgetary issue, as it would cost \$300,000 to \$500,000 to move the base stations to the new towers. Mr. Bradshaw stated that most users in the State are on VHF and MEPSS offers diversity in path, technology, and interoperability. Mr. Turner will draft a letter to the State on behalf of the MPSFAC expressing concern and urging the State to maintain MEPSS.
- F. 40 DBU contours for counties and consortiums partnering with the MPSCS were discussed. Mr. Held stated that the Plan refers to "any licensee" within the boundaries of the "licensee" coverage area. If the locals are licensing channels for local coverage, they should comply with the 40 DBU contours. Mr. Warner stated that most of the additional frequencies for local coverage are licensed by the State, although most still comply with local 40 DBU contours. Mr. Bradshaw expresses concern that allowing a waiver on the 40 DBU contours when partnering with the MPSCS reduces the available channels, especially in southeast Michigan. Mr. Held cautioned that if locals later tried to separate from the MPSCS, they would not own the frequencies.
- G. Mr. McDowell returned to the Committee with the information on emissions, and the Oakland County application was reopened. Mr. McDowell confirmed that the emissions are 25k, as type accepted by the FCC. **Motion** by Folske, supported by Held, to approve the Oakland County applications and authorize Mr. Bradshaw to work with Oakland County to finalize the details. Motion carried unanimously.

VII. Next meeting date

The next meeting of the MPSFAC Committee will be September 26th, 2003, in conjunction with the Michigan APCO conference in Tustin. Ms. Coates will coordinate a meeting location and mid-morning time.

VIII. Adjournment

The meeting adjourned at 12:00 p.m.

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
Friday, September 26, 2003
10:30 a.m.
Kettunen Center
Tustin, MI

Members Present:

Joseph Turner - Chairperson	Michigan Municipal League
Patricia Coates - Secretary	Michigan APCO
Keith Bradshaw	Michigan Frequency Coordinator
William Nelson	Michigan Association of Fire Chiefs
David Held	State of Michigan - DEQ
Lloyd Fayling	Michigan APCO
Dale Berry	Michigan Ambulance Association
James Fyvie	Michigan APCO
Al Eichenberg	State of Michigan - MPSCS

Members Absent:

Al Nowakowski	State of Michigan - MPSCS
William Folske - Vice Chairperson	Michigan APCO
Lloyd Collins	Michigan Association of Chiefs of Police
Wayne Kangas	Michigan Sheriff's Association

Other Attendees:

Karl Beckman	Motorola
Bob Bradley	CCE
Dan Dundas	M/A COM
Karen Mora	Motorola
Chris Lonnett	Motorola
Dave Rayford	City of Detroit
Harry Warner	Buford Goff
Michael Whately	CSI
Bill Langston	Sterling Heights PD
Steve Irlbeck	Dataradio
Stephen Todd	Flint 9-1-1
Dave Ackley	Genesee County 9-1-1
Steve Lasher	Motorola
James Fry	Motor City Electric
Louis Mioduszewski	Macomb County
Mark Oermann	Macomb County
Gene Adamczyk	MSP Communications
Walter McPherson	Shiawassee County
Michael Ash	Shiawassee County

I. Call to Order

The meeting was called to order by Mr. Turner at 10:36

II. Introductions

Members and guests introduced themselves

III. Approval of agenda

The draft agenda was amended as follows:

A. Add Item A – motion regarding giveback frequencies

B. Move Genesee County application to old business

Motion by Nelson, supported by Barry to approve the agenda as amended. Motion carried unanimously.

IV. Approval of Minutes

Mr. Bradshaw proposed a correction deleting the sentence referring to Part 90 of the FCC Rules.

Motion by Nelson, supported by Fayling to approve the minutes of June 23, 2003 as corrected. Motion carried unanimously

V. Old Business

A. Frequency Give Back

Motion by Turner, supported by Coates:

Whereas the committee wishes to memorialize directive pursuant to past discussions, instructions to earlier applicants, comments received during past committee and to act in the best interests of the people of the State of Michigan,

Be it hereby resolved that the Frequency Advisory Committee will not proceed with any applications for new frequencies until an applicant has completed to the satisfaction of the Frequency Committee, all issues related to the pending application and any incomplete tasks related to past applications. This order shall specifically include any assigned frequencies that are to be given back to the frequency pool by the applicant.

It is the intent of this requirement that specific frequencies and frequency pairs be made available for use by others in a timely fashion and that specific information related to their return be communicated in writing to the Committee.

Where exceptional circumstances exist, and only where there is a consensus of the voting members of the Frequency Advisory Committee, accommodations can be made to the applicant. Nothing herein shall be deemed to void the applicant's requirement to vacate said frequencies and perform other matters in a timely way.

Discussion followed. Ms. Coates and Mr. Turner will check files to see if this is already Committee policy. Mr. Turner explained that the purpose of the motion is to memorialize past practices as the Committee moves forward to changing communications and additional spectrum. The Attorney General has been contacted and supports the Committee members, but the Committee must take responsibility for clearly identifying to communities all of the steps necessary for quick processing of applications. Mr. Held stated that the Committee has in the past approved applications as contingent upon completion of minor items. Mr. Turner stated that the last paragraph still allows for this.

Mr. Beckman stated that if the Committee is setting timelines, both Committees should consider amending plans or adding an appendix to establish a timetable. The only place MPSFAC can force givebacks is the 821 spectrum; if it is the intent to include other bands, the Committee should add those. The Committee agreed that 821 MHz and 700 MHz plans should be consistent. Mr. Bradshaw cited FCC Docket 87/12 which defines the conditions for givebacks. One such condition is a fully operational system completely replacing the functionality of the old system. Motion carried unanimously.

B. Genesee County Application

Mr. Bradshaw advised the Committee that he had completed contour studies – one contours is not compliant, but the application is compliant. Bradshaw stated that all contours are within the three mile limit except the Goodrich site which is four miles. There is also an adjacent channel conflict with Lapeer and an existing Genesee data channel, the incumbent. Mr. Bradshaw stated that Lapeer would be the incumbent, as the Genesee application was made in 1999, but they have detected no interference so far.

Mr. Fayling stated that the 1999 application was a renewal, with the original in 1995, so they are incumbent. Genesee is narrowing bandwidth and will be less than a threat. Mr. Eichenberg stated that the new location in Genesee is in worst place possible for Lapeer, but area is rural farmland. Mr. Bradshaw concurred that Genesee should be incumbent. Genesee should send Lapeer a letter of non interference, and work toward ameliorating any interference that does occur.. The Committee should request proof of original licenses from both parties.

The Committee also discussed the application from Oakland County for the same frequency as one Genesee is applying for.

Motion by Eichenberg, supported by Bradshaw that Genesee County's application be approved contingent upon Genesee County providing a copy of their original data system license proof of incumbency and non interference with Lapeer, and contingent upon both Genesee County and Oakland County dropping the contested frequency from both of their applications. Both Oakland and Genesee agreed to drop the contested frequency and work out a compromise. Motion carried unanimously.

C. Status of Oakland County Applications

Mr. Bradshaw discussed the use of the TAC and Calling Channels, as Oakland County plans to use only State plan, and Mr. Bradshaw has no information on the State build out. Mr. Warner stated that the State recommends that portion of Oakland's plan is acceptable using TAC 1 and Calling channel. Mr. Bradshaw expressed concern with some of the contours, that appear to extend too far into Macomb and, Lapeer, and with a possible adjacent channel issue with Downriver Mutual Aid. Discussion ensued about the methodology used for contours. Mr. Whately explained that the tool utilized by MA COM has been acceptable to the Committee in the past. Mr. Bradshaw requested that Oakland County obtain a letter of concurrence from Downriver. Mr. Eichenberg stated that the algorithms are accepted as viable under part 90. Mr. Bradshaw contended that the FCC specifies Longley Rice. Ms. Coates asked if Mr. Bradshaw anticipated any interference, to which Mr. Bradshaw replied no.? Mr. Held stated that the only requirement for proof is field measurement; if no destructive interference is found there is no issue, but if interference is found, the applicant must correct it. Ms. Coates stated that Oakland County would assume the risk if the application is approved as submitted with a five mile limit on the contours, contingent upon letter of concurrence from Downriver. Once built, the system will be measured with replicable standards; if Oakland County exceeds the five mile limit, it will reduce power.

Motion by Held, supported by Bradshaw, to approve the Oakland County application with the five mile limit contingent upon a letter of concurrence from Downriver and post construction testing. Motion carried unanimously. Mr. Held reminded the Committee that the five mile limit is within the plan, but it must be recorded in minutes and forwarded to APCO as a restriction.

Motion by Fayling, supported by Eichenberg, to change the agenda order to bring the Macomb and Detroit applications up next. Motion carried unanimously.

D. . Detroit

Mr. Turner provided Mr. Bradshaw with Detroit's application and letters documenting Detroit givebacks, and a letter from Paramed

The Detroit application was submitted without frequencies, asking the Committee for frequencies. Mr. Warner and Mr. Rayford presented Detroit's plan to join the MPSCS for interoperability. Detroit has a list of 40 givebacks. Mr. Bradshaw stated that he did not have time to review all sites, and had only checked one; the sites as presented seem to be compliant, but he cannot verify. Ms. Coates brought up the funding and loading documentation that prior applicants had been required to produce. Mr. Held felt Detroit's letter is sufficient, and Mr. Rayford stated that funding was in place. Mr. Bradshaw requested documentation. On the application, although stating that FCC rules don't require this. Mr. Warner stated that 998 units are included in the application, but further documentation can be provided. Mr. Fyvie concurred that Clinton County was required to meet more stringent documentation requirements; do large cities have a different standard? Mr. Bradshaw stated that an application for a large city should be awarded on its face, while it may be prudent to hold small counties to a higher standard. Mr. Held cited the Region Plan, which indicates that loading is not a requirement.

Motion by Bradshaw, supported by Mr. Held to proceed with the application contingent upon Detroit supplying documentation and locating appropriate frequencies. Motion carried with one abstention.

E. Macomb County

Mr. Bradshaw stated that Macomb County is applying for 17 channels and 9 sites to be simulcast in conjunction with MPSCS. He provided a list of frequencies for give back. Mr. Bradshaw stated that several Macomb agencies are also in negotiations with MPSCS, and he assumes they will have givebacks although he has no confirmation from those entities. Funding commitment from the Board of Commissioners was presented, although final approval is October 8. Loading and statement of need were included. If funding fails, Macomb will withdraw. To avoid any appearance of a conflict, Mr. Bradshaw suggested another region coordinate unless the Region 21 alternate can do so. One of the Macomb frequencies has also been applied for in Genesee (suggest both counties withdraw) and contours are not in compliance. It is expected the system will include Sterling Heights police and fire, Shelby Twp, Macomb County Sheriff, Roseville police and fire, Chesterfield Twp police & fire. Mr. Held stated he was not comfortable approving the application without coordination. Mr. Bradshaw requested the application be tabled. Motion by Held, supported by Nelson to pursue alternate coordination. Motion carried unanimously.:

Break for lunch at 12:45
1:30 reconvene

E. System Implementation subcommittee

Mr. Bradshaw stated that there had been no progress. He suggested that assistance be elicited from technical members of APCO. Mr. Held stated that he has some notes and will email to the Committee. He reminded the Committee that all applications within 70 miles of state line must be sent to adjacent coordinator also. If there is no response in 20 days, considered approved.

F. 821 Plan Revision

Mr. Held reviewed the Plan and made notes which he will provide. He found both clerical errors and technical issues. Keith suggests that when 700 plan is submitted, we retain some of the 700 MHz committee members to work on this. Mr. Held will attempt to scan the original document into a text file.

G. Consensus Plan

Mr. Bradshaw apprised committee of Nextel interference and proposed solution. Nextel can move their frequencies at will in their geographic area. Nextel and public safety frequencies need to be segregate, public safety gets additional spectrum.

H. Refarming

VI. OTHER BUSINESS

A. Region 54 application packet

Mr. Eichenberg provided the packet and suggested it be reviewed and considered for adoption.

B. Broadband over powerlines.

The Committee concurred that this is a dangerous practice. Mr. Turner will prepare letter in support of the APCO position, and requested email input from the Committee

C. South East Michigan Frequency Subcommittee

Mr. Eichenberg presented a case for the formation of a subcommittee. He stated that the 821 spectrum is gone for most of SE MI, and there is virtually nothing left because of adjacent channel problems - frequencies exist, but are not usable. Goals of the subcommittee would be to mitigate interference, recover unusable spectrum, and facilitate the creation and expansion of Public Safety systems. The Committee discussed whether the South East Michigan regional subcommittee should be expanded to statewide. Mr. Held recalled a tri county plan for Ingham, Clinton and Eaton, which was a similar.

Mr. Eichenberg and Mr. Bradshaw agreed that there are no useable frequencies left due to adjacency protection. Discussion included co-channel spacing, Canada, and the assignment of wide band channels. Mr. Eichenberg stated that TDMA technology makes great use of wide band channels. A single talk path on wide band eliminates three freqs from reuse (the frequency, one above, and one below) and is not efficient. He presented examples of the overlap of adjacent channels, and of rules for 40 dbu contours and 25 dbu contours for adjacent channels. He stated that radios in poor condition have limited adjacent channel rejection and may have problems – with good equipment, there is usually less of a problem than predicted. Mr. Eichenberg suggested two possible – ask the FCC to solve it, or work out a solution as a Region. He suggested that participants exchange or barter frequencies. Any licensed NPSPAC holder or one seeking application can participate. There are to be no restrictions or limitations except that agencies are to leave with nothing less than they came with. Participating agencies may walk away at any time. Mr. Bradshaw added that no one should expect monetary gain. All frequency swaps would be approved by MPSFAC, and in all but most unusual cases the licensee will turn back the original frequencies. Any agency requesting additional channels must show 100 percent loading. Ms Coates questioned the FCC slow growth restriction, and was assured that participation can postpone deadlines.

Mr. Eichenberg stated that the next steps are to notify APCO and ask for their help in facilitating the group. It is not necessary to notify the FCC at this point. The Committee would like to see APCO waive the fees for reapplication and coordination.

Mr. Turner indicated he would appoint a subcommittee chair and committee members, then open to other participants. Mr. Eichenberg suggested the Frequency Coordinator be an integral part of the subcommittee. Mr. Eichenberg suggested a poll of major license holders and define the region, using the primary zone. Macomb, Detroit, Oakland, Genesee, and Lapeer should be notified..

Appointments were Mr. Held to chair, Mr. Eichenberg, Mr. Bradshaw, Ms. Coates, Mr. Fayling, and one representative from each vendor or consultant. **Motion** by Barry, supported by Nelson to endorse the subcommittee formation and membership. Motion carried unanimously.

VII. Next Meeting Date

The next meeting will be held at 9:00 a.m. on October 23, 2003, in Frankenmuth. Ms. Coates will coordinate a meeting location.

VIII. Adjournment

The meeting adjourned at 2:30 p.m.

Michigan Public Safety Frequency Advisory Committee Meeting
Thursday, October 23, 2003
9:00 a.m.
Frankenmuth, MI

- I. Call to Order
- II. Introductions
- III. Approval of Agenda
- IV. Approval of Minutes of September 26, 2003 meeting
- V. Old Business
 - A. Genesee/Oakland application for channel 621
 - B. System Implementation Committee
 - C. 821 Regional Plan Revision
 - D. Refarming
 - E. Consensus Plan
 - F. South-East Michigan Frequency Subcommittee
 - G. Other
- VI. New Business
 - A. Applications
 - 1. ?
 - B. Other
- VII. Next meeting date
- VIII. Adjournment

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
October 23, 2003
Frankenmuth, MI

Members Present:

Joseph Turner – Chairperson	Michigan Municipal League
William Folske – Vice Chairperson	Michigan APCO
Patricia Coates – Secretary	Michigan APCO
Keith Bradshaw	Michigan Frequency Coordinator
Lloyd Fayling	Michigan APCO
James Fyvie	Michigan APCO
Dale Berry	Michigan Association of Ambulance Services
Al Eichenberg	State of Michigan DIT
Al Nowakowski	State of Michigan DIT
David Held	State of Michigan DNR

Others Present:

Ken Palazzi	M/A COM
Mike Whately	CSI
Captain Kalm	Macomb County Sheriff
Karen Mora	Motorola
Karl Beckman	Motorola

*other attendees were present in the audience, but the sign in sheet was not completed

I. Call to order

The meeting was called to order by Mr. Turner at 9:25

II. Introductions

Introductions were made and a sign in sheet distributed

III. Approval of agenda

Mr. Bradshaw requested the addition of a Monroe County letter for submission, not for coordination, and an application for Macomb County. Mr. Turner requested the addition of a presentation document from Mr. Eichenberg and a motion from Mr. Held.

Motion by Folske, supported by Eichenberg, to approve the agenda as amended. Motion carried unanimously.

IV. Approval of minutes from September 26, 2003

A correction to item F: Mr. Beckman rather than Mr. Held volunteered to scan the documents. Mr. Bradshaw corrected Old Business item A, by adding 87-112 as the correct FCC docket.

Motion to approve as corrected minutes by Eichenberg, supported by Coates. Motion carried unanimously.

V. Old Business

1. Genesee/Oakland County application

Ms. Coates explained that the applicants had agreed to a mutual solution; Oakland had identified another frequency that could be substituted, freeing the contested frequency. Mr. Held credited the applicants.

Motion by Held, supported by Bradshaw, to change the frequency allocation table appendix to reflect the exchange between Oakland and Genesee. Motion carried unanimously.

2. System implementation Subcommittee

Mr. Bradshaw reported that there had been no progress, as this subcommittee had become a low priority due to flurry of applications. However, the committee is still relevant.

3. 821 regional plan revision

Mr. Bradshaw stated that Mr. Beckman has the basic document in Word form, but the flow chart is not electronic. Any suggestions from members should be submitted by email, with Mr.

Bradshaw to coordinate and to ask APCO to post on their web site. Mr. Turner asked Mr. Beckman to submit a report on the effort involved and the entity that bore the cost if appropriate

4. **Refarming**

Mr. Bradshaw stated that the deadline October 14, but applications are still arriving. January 14 is the FCC's deadline, unless a petition by APCO and others is accepted by the commission

5. **Consensus plan**

Ms. Coates distributed an email from Cingular. Discussion ensued regarding the Nextel proposal, the balanced approach, and the many unanswered questions regarding funding. Mr. Nowakowski has read consensus plan in detail, and found that border issues are skipped, interoperability with Canada would be lost, and many issues with funding. Public Safety and the CMRS would share band for a time during transition, as there is no clear spot to move to. State of Michigan has not supported the plan, and told FCC they need to enforce their own non-interference rules. South Carolina has come out with strong reservations, while Ohio supports. Mr. Bradshaw stated that MPSFAC should remain neutral. Mr. Turner stated that the importance is public safety and interoperability; and whatever MPSFAC crafts must represent the people, not one entity such as APCO. Public comment: Karl Beckman stated the balanced plan better represents a fix of the issue. There is ongoing interference from these interwoven frequencies, and MPSFAC needs to take a position that FCC needs to act on current rules. Mr. Nowakowski clarified that public safety would not "lose" frequencies – they would simply move, and public safety would gain more. The band would shift down 15 MHz. Mr. Turner stated that, even if not losing spectrum, the locals will be faced with the cost. Mr. Replied that even with funding, inconvenience and system degradation during implementation would be issues. Mr. Nowakowski stated that the comment period is closed, but reports are still being received and are posted on the FCC web site under docket 0255. Mr. Turner stated that MPSFAC should take action, including a public hearing. Mr. Held suggested that two or three members draft possible positions to be acted on at next meeting, and Mr. Nowakowski offered to send the State's position to committee. Mr. Berry listed the main issues: Interference, Funding, Inconvenience, and Canadian interoperability. Mr. Turner suggested completion by mid December.

6. **SE Michigan Frequency Subcommittee**

Mr. Held stated that the subcommittee was formed due to current issues in SE Michigan, but it is open to other problems statewide. He restated the purpose is to mitigate interference in 800 MHz band and make recommendation to MPSFAC and the Frequency Coordinator. It is Mr. Held's intent to keep the committee small at this time, and to call in impacted parties as needed. Meetings will be held at the call of the chair. Mr. Held reported that the subcommittee is presently working on adjacent channel interference on Oakland County system. Ms. Coates reiterated that Oakland County is cooperating, but that this project cannot in any way delay pending applications. The research is ongoing, and the subcommittee is working with both Oakland County, Detroit, and others impacted. He cautioned that the final plan will not be a "magic" solution, but no problems are being looked at in vacuum; every action must consider reaction on other systems. Mr. Turner requested a quarterly written report, and asked how people are notified about the meetings. Mr. Held replied that the "players" will be notified. Meetings can also be posted on the MIAPCO web site. Mr. Turner expressed concerned that the subcommittee remain compliant with the Open Meetings Act.

7. **Other old business**

Mr. Turner discussed his letter to the FCC regarding broadband over power lines, and asked the Committee to review and comment. Mr. Turner stated that his intent was to identify issues in a non technical manner. He stated that is open to comments or corrections , and asked the Committee members to file comments by next Monday..

VII. New Business

A. Frequency Coordinator

Mr. Bradshaw stated that Mr. Held is willing to fill in as a second alternate frequency coordinator during the current busy period caused by refarming and the influx of applications. Mr. Held is

available to attend the APCO training on November 4th. Ms. Coates will request that the Michigan Chapter of APCO appropriate the funds for Mr. Held's travel and lodging.

B. New Applications

1. Macomb County

Mr. Bradshaw stated that the funds have been approved by the County Board of Commissioners, and the application is complete. Mr. Bradshaw stated that the giveback have been identified, and Macomb anticipates that they will begin contract negotiations on October 27th. Mr. Held inquired whether the frequencies listed are those in the Plan. Mr. Bradshaw replied that 14 frequencies have been provided by the MPSCS, but that the proposed system is still short of three frequencies. Mr. Bradshaw stated that one potential frequency is being used by Shelby Twp as a conventional repeater system, which Mr. Bradshaw stated he believes is illegal. Mr. Bradshaw requested a letter from MPSFAC to Shelby Township directing them to fold the frequency into the State system. For the two remaining frequencies, Mr. Bradshaw stated that he trusts that MPSFAC will find the additional frequencies. Some of the 14 provided by the MPSCS are state frequencies and some are allocated to other counties. Mr. Held stated that changes should be made to appendix to reflect this reallocation. Mr. Bradshaw replied that changing the appendix had never done before, and Mr. Held reminded the committee that it had just occurred in the Oakland/Genesee solution. Mr. Eichenberg agreed that the appendix should be a dynamic document. Mr. Berry questioned Macomb's loading.. Mr. Bradshaw stated that he anticipates 3600 users, primarily law enforcement, and that the fire department will be slower in committing. The only commitment at this point is from Shelby Twp fire, but Mr. Bradshaw expects others will follow. Ms. Coates expressed concern regarding a letter from MPSFAC to Shelby and possible other users, and stated that Shelby should be given a chance to clarify rather than a directive to return their frequency to the pool for the state system. Mr. Bradshaw conceded that Shelby Township should be asked rather than told, and Mr. Held concurred that Shelby Township should be invited to discuss the issue. Mr. Fyvie stated that Macomb had failed to provide letters of intent from the entities. Mr. Bradshaw stated that Macomb would provide the letters.

Motion by Held, supported by Berry, to table Macomb's application until the next meeting. Mr. Bradshaw stated that the coordination should be done by one of the alternate frequency coordinators. Motion carried unanimously.

2. Jackson Transit

Mr. Bradshaw advised the committee that he had received the application for Jackson Transit in August, but had not had time to review it. Mr. Bradshaw reported that he had completed a search. Jackson transit currently has a three-frequency trunking system, and are requesting a fourth frequency for data. He reported that Jackson is licensed for 270 mobiles at this time, but their actual loading is not confirmed. If Jackson attempts to pull one frequency for data, they would end up trunking only two frequencies. The desired frequency is 866.800 (channel 661) used in Genesee and Lapeer. Jackson requests licensing at 50 watts and antennae height below 30 meters

Motion by Fyvie, supported by Held, to approve the Jackson Transit application. 9 ayes, 0 nays, one abstention from Mr. Eichenberg due to his position on the Jackson City Council. Motion carried.

3. Monroe County

Monroe County applied for a four site, fourteen channel simulcast system in conjunction with the MPSCS. The system is grant funded. The loading is 1200 mobile and portable units. Monroe has a short time line due to the constraints of the grant, and must complete construction within two years. The system design is Motorola ASTRO 25 with 95% coverage. RF sites will be located in Whiteford, Berlin and Monroe townships, with a primary site in Dundee. The system includes a substantial microwave component. Copies of the application was distributed, with a request MPSFAC accept for coordination and review. The system will use MPSCS site in Dundee, plus new construction. Mr. Bradshaw stated that frequency

selection may be an issue, as one of the proposed frequencies was allocated for Jackson Transit in the previous motion.

Motion by Held, supported by Fayling, to accept the application and table for consideration pending frequency coordination. Mr. Beckman from the floor stated a correction: Monroe is only applying for 10 frequencies, the other four are already in service on the MPSCS. Mr. Fyvie amended the motion to include a contingency of Monroe supplying letters of intent from user agencies. Motion carried unanimously.

C. Other New Business
None

VIII. Next meeting date

The next meeting date will be December 4, 2003 at 10:00 a.m. in Ann Arbor

IX. Adjournment

Motion by Berry, supported by Eichenberg, to adjourn the meeting at 10:50 a.m. Motion carried unanimously.

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
February 26, 2004
Ann Arbor, MI

Members Present:

Joe Turner – Chairperson
Dale Berry – Vice Chairperson
Patricia Coates – Secretary
Keith Bradshaw
Lloyd Collins
Al Eichenberg
Lloyd Fayling
Bill Nelson
Al Nowakowski

Michigan Municipal League
Michigan Association of Ambulance Services
Michigan APCO
APCO Region 21 Frequency Advisor
Michigan Association of Chiefs of Police
State of Michigan – DIT
Michigan APCO
Michigan Association of Fire Chiefs
State of Michigan - DIT

Other Attendees:

Karl Beckman
Geraldine Calhoun
Belda Garza
Steve Lasher
Dennis McDowell
Rod McLain
Jim Ostling
Walt Pheeneey
Dave Rayford
Harry Warner
Mike Whately
Brent Williams

Motorola
City of Detroit
PMA Consultants
Motorola
MA COM
BGA
Motorola
PMA Consultants
City of Detroit
BGA
CSI
Ingham County

- I. **Call to order**
The meeting was called to order by Mr. Berry at 10:10 A.M.
- II. **Introductions**
Members and attendees introduced themselves and a sign in sheet was distributed.
- III. **Approval of agenda**
Under “new business”, Mr. Warner requested the addition of an application for the City of Detroit. Also under “new business”, Mr. Nowakowski requested the addition of a discussion on STAs in general.
Motion by Collins, supported by Eichenberg, to approve the agenda as amended. Motion carried unanimously.
- IV. **Approval of minutes of January 15, 2004**
Motion by Nelson, supported by, to approve the minutes of January 15, 2004 as written. Motion carried unanimously.
- V. **Old Business**
 - A. **Applications**
 1. Detroit STA

Mr. Eichenberg reported that the earlier typographical error had been corrected and the contended frequencies dropped. No action needed

2. Genesee County

Mr. Eichenberg stated that the coordinator had an issue with site number 4, as the MPSCS had used different parameters than the coordinator, with different results. Genesee's application is now compliant with the coordinator's contours and reduced power. The revised application was distributed. Mr. Bradshaw stated that the channel in contention with Lapeer was also dropped. Power was dropped from 109 watts to 54 watts; site elevations remain the same. Mr. Bradshaw recommended approval of the revised application.

Motion by Berry, supported by Coates, to approve the revised Genesee County application. 8 ayes, 0 nays, 1 abstention by Fayling. Motion carried.

3. Macomb County

Mr. Bradshaw distributed letters of intention to participate when financially feasible from 1490 users by 2010. Mr. Bradshaw stated that no letters were considered necessary from County agencies, such as the Sheriff Department. Mr. Collins questioned how the number of users was determined, and Ms. Coates asked for a reminder of the number of frequencies requested. Mr. Turner inquired whether an incorrect number of users would impact the number of frequencies. Mr. Eichenberg stated that an applicant may apply for up to 20 channels on the initial application. The FCC loading requirements for the expansion of trunked system must have a loading level of 70 units per channel. Ms. Coates stated that the regional plan requires 100 users. Mr. Eichenberg clarified that "expansion" means expansion of the initial application, not expansion of the system. Mr. Eichenberg asked for vendors' opinions; Mr. Beckman replied that the FCC cannot grant more than 20 channels until the system is fully loaded. Mr. Bradshaw stated that not all of the proposed frequencies would work, but that the MPSCS is trying to find two additional frequencies for Macomb. Mr. Bradshaw also stated that Mr. Held has not completed coordination. Mr. Berry would recommend the original 17 channels.

Mr. Bradshaw recommends approval pending coordinator's report. Mr. Turner inquired if there was any risk to Macomb should the committee not take immediate action. Mr. Bradshaw advised there was no risk; Macomb expects to sign final contracts by the end of April, with an interim contract with Motorola to be signed next week contingent upon a contract with the State. Mr. Bradshaw further stated that only one tower site confirmed, and that while the County is confident that several others are buildable, they still need to go through Planning, Building Permits, etc. Two MPSCS sites will be used, and the County will add users to these sites as soon as the contract is signed. Motion by Berry, supported by Eichenberg, to determine that the previous contingency requiring letters of loading had been satisfied. Motion carried unanimously.

4. Monroe County

Mr. Eichenberg stated that the Monroe County application is withdrawn, as the ASRs are not back yet. Some frequencies must also be withdrawn. Mr. Bradshaw cannot coordinate with Ohio until application is completed. Application tabled by consensus.

B. System Implementation Subcommittee

Mr. Nowakowski and Mr. Eichenberg discussed the new FCC requirement for documentation of construction status within a year, so their database has more updates. Mr. Bradshaw stated that per the request of Harry Warner on behalf of Detroit he had sent a letter regarding channel loading to MDOT. Mr. Eichenberg stated that MDOT has responded and will provide documentation. Brad recommends that this subcom is the appropriate group. If MDOT show loading, no action. Eich on behalf of MDOT - trying to see if they have loading. Motion Fayling turn over to report back and Nelson, Unan

*make copies of
second bunch of
letters, send to
Dave Held.*

Chairmanship of the meeting was turned over to Mr. Turner at 10:35 AM

C. 821 Regional Plan Revision

Mr. Beckman will email an electronic version. Terrain should be added to contour models such as R6602, developed for television stations, Mr. Beckman from floor stated that TSB88 is already referenced in 700 MHz plan, assuming the FCC will allow it. Mr. Eichenberg stated that TSB88 was denied for an 806 application out of Puerto Rico because it did not provide additional protections

D. Consensus Plan

Mr. Bradshaw stated that the proponents are pushing the FCC for a decision. Mr. Bradshaw still has reservations about the plan. Mr. Nowakowski stated that the draft letter was forwarded to Mr. Turner, which Mr. Turner will review. Mr. Nowakowski agrees with Mr. Bradshaw's concerns and the potential for Nextel to profit.

E. Southeast MI frequency Subcommittee

In the absence of Mr. Held, Ms. Coates gave a summary of technical activities and negotiations. Although a regional plan is the desired goal, initial meetings have focused on the City of Detroit, Oakland County, and the MPSCS. Mr. Warner added that Detroit has ordered subscribers, so Detroit is proceeding. Mr. Beckman from the floor added that the meeting on February 13th was between parties, not of subcommittee, and that no subcommittee members were present

F. Other

No other old business

VI. New Business

A. STAs In General

Mr. Nowakowski stated that STAs are normally granted for one of two reasons: an emergency situation (such as civil unrest in Benton Harbor last year) which requires immediate action, or to place a system on the air for testing only. In the case of emergencies, the FCC can handle the request over the telephone. Mr. Nowakowski inquired as to the Committee's procedure in the case of immediate need. Processing the MPSCS and Detroit's recent STAs through committee took four weeks. Mr. Turner asked if Mr. Nowakowski considered these requests to be an emergency? Mr. Nowakowski replied that the STA for the Plaza site was critical, but not an emergency. Mr. Berry inquired about the role of committee in STAs? Mr. Nowakowski replied that 821 frequencies must have subcommittee approval; the MPSCS tried to submit directly to FCC but the request was sent back. Mr. Berry asked if the committee needs to look at loading, interference, etc. Mr. Nowakowski stated that the committee needs a procedure for immediate emergencies, such as civil unrest. Mr. Eichenberg stated that most regions just require a letter from the chair for emergencies, and that emergency STAs are approved for 48 hours only. Mr. Fayling suggested that, for emergencies, the chairman and coordinator could discuss and concur, and report back to the committee. Mr. Beckman stated that STAs can also be used if paperwork is in process. Mr. Turner stated that an STA should not be used to correct an administrative insufficiency or to build a system. Mr. Whately from the floor stated that there are actually five circumstances allowing STAs in rules Part 90 rules. Mr. Eichenberg suggested that the committee look at how other regional committees handle it. Mr. Eichenberg will research and report next time and prepare suggested language.

B. MPSCS application and STA

Copies were distributed for the Plaza site, listing a channel already in use by the MPSCS. Mr. Held approved coordination. Motion by Coates, supported by Fayling, to approve. Motion carried unanimously.

C. Oakland County

Oakland County distributed copies of applications for three existing channels to three new sites to support build-out. Mr. Nowakowski stated that he wants cover letters to be mandatory, explaining the application. Mr. Bradshaw stated that he had no problem with application as submitted

Motion by Berry, supported by Collins, to approve the Oakland application pending coordination approval. 8 ayes, 0 nays, 1 abstention by Coates. Motion carried.

D. Detroit

Mr. Warner distributed copies and described the application as essentially the same application since September, adding three frequencies that are clear. Although currently operating on Penobscot building only, the system will be ten sites. A copy of the application with Detroit's 806 channels was also provided to Mr. Bradshaw with contours provided and a list of subscriber units. Mr. Bradshaw recommended approval pending coordination.

Motion by Berry, supported by Eichenberg, to approve the application pending coordination. Motion carried unanimously.

Mr. Warner stated that Detroit is submitting due to time constraints, but is still willing to meet with Detroit. Ms. Coates stated that Oakland concurs

E. Application policy

Mr. Eichenberg suggest reinstating a policy of submitting applications at least two weeks prior to meetings. Mr. Nowakowski stated that Region 54 requires mailing in addition to electronic submission.

Motion by Berry, supported by Fayling, that applications be submitted and received by all members in writing at least two weeks in advance with a cover letter explaining the application. Mr. Collins suggested an internal policy that any application received with less than two weeks be tabled; Nowakowski would like letters in writing. Mr. Beckman from the floor advised that the committee would need to rewrite the plan; it can't change the procedure without modifying the plan. Motion carried unanimously.

F. Other

Mr. Turner advised that vendors wanting to sell 700 MHz equipment are contacting him. He is saying that we are 1-2 years away. Mr. Bradshaw stated that Canada says they will support once US gets their broadcasters off.

G. Other

Mr. Bradshaw advised that Ingham County is building an UHF system; they appear to exceed UHF contours, but they have letters of concurrence from all surrounding areas. Mr. Bradshaw will move their application. Mr. Williams from the floor explained the need for expansion into surrounding counties as cities grow.

VII. Next Meeting Date

The next meeting will be in Williamston, MI at approximately 2:30 PM, following the 700 MHz meeting.

VIII. Adjournment

The meeting was adjourned at 12:25 PM.

Michigan Public Safety Frequency Advisory Committee
Meeting Minutes
March 25, 2004
Williamston, MI

Members Present:

Joe Turner – Chairperson	Michigan Municipal League
Patricia Coates – Secretary/Treasurer	MIAPCO
Keith Bradshaw	APCO Frequency Advisor
Al Eichenberg	State of Michigan
Lloyd Fayling	MIAPCO
Dave Held	MIAPCO
Bill Nelson	Michigan Association of Fire Chiefs

Other Attendees:

Robert Andrus	City of Dearborn
Karl Beckman	Motorola
Dennis McDowell	MA COM
Christina Russell	Oakland County Sheriff
Mike Whately	CSI, Inc

I. Call to order

The meeting was called to order by Mr. Turner at 4:00 P.M..

II. Introductions

Members and attendees introduced themselves and a sign in sheet was distributed. Mr. Turner advised that the meeting would be recorded on tape.

III. Approval of agenda

Motion by Held, supported by Nelson, to approve the agenda as presented. Motion carried unanimously.

IV. Approval of minutes of March 27, 2004

Motion by Held, supported by Nelson, to approve the minutes of the March 27, 2004 meeting as written. Motion carried unanimously.

V. Old Business

A. Applications

1. Prior to considering specific applications, the Committee held general discussion regarding providing copies of applications to committee members via email or US mail.
2. Macomb County

Mr. Bradshaw advised that the contracts with the State and Motorola have not been signed but negotiations were in progress. Mr. Held stated that he is still coordinating frequencies and working on other incomplete issues on the application.

3. Monroe County

Mr. Eichenberg advised that the ASRs still are not back so the application is still tabled, but that three frequencies had been removed from the application. Mr. Held requested a new list of frequencies and a copy of the most current application.

4. Oakland County

Oakland County's application had been approved at a previous meeting, pending coordination. Mr. Bradshaw indicated that there were questions pending on the application for sites at Milford and Davisburg. Mr. Whately stated that he would confirm the antenna height and height above ground to make certain they are consistent. Mr. Bradshaw distributed copies of contours and discussed the differences between contours utilizing the Raptor program and contours utilizing the ComStudy program. The committee discussed the differences between Raptor ComStudy, ComSite Design, R66-02, and Okimura. Okimura is the tool specified in the Region plan. Mr. Bradshaw stated that the Commerce and Wixom sites were fine, but that there were issues with the Davisburg and Milford contours. Oakland County should be required to take field measurements upon construction and reduce power for any site that exceeds the contours. MA COM will work with Mr. Bradshaw to satisfy his concerns.

5. Detroit

Detroit's application had been approved at a previous meeting, pending coordination. Mr. Bradshaw stated that there were also problems with Detroit's -40 dbu contours, although he did not provide copies of the maps to the committee. Motorola will work with Mr. Bradshaw to satisfy his concerns.

B. System Implementation Subcommittee

No report

C. 821 Regional Plan Revision

Mr. Bradshaw stated that he is working to resolve inconsistencies between the 821 and 700 MHz regional plans. Mr. Beckman will convert the changes to PDF, and the APCO Chapter web site can be used for postings.

D. Consensus Plan

Mr. Bradshaw discussed an article in Mobile Radio Technology that suggests that the FCC is ready to move forward, but that the final plan may not provide Nextel with all that had been requested. Mr. Eichenberg stated that he can provide a list of the frequencies.

E. South East Michigan Frequency Subcommittee

Mr. Held stated that a small meeting had been held earlier in the day, and a conference call would be scheduled for the following week.

F. Other

No other old business

VI. New Business

A. Applications

1. Oakland County

Motion by Held, supported by Bradshaw, to approve the new Oakland County site applications pending coordination. Motion carried unanimously.

B. Other

Mr. Bradshaw advised the group of the licensing requirements for two way weather alert systems.

VII. Next Meeting Date

The next meeting will be at the call of the Chair, depending upon applications received and the progress of the Southeast Michigan Frequency Subcommittee.

VIII. Adjournment

Motion by Fayling, supported by Nelson, to adjourn. Motion carried unanimously. Mr. Turner adjourned the meeting at 5:00 P.M.

Michigan Public Safety Frequency Advisory Committee Meeting
Meeting Agenda

The Region 21 MPSFAC meeting will be held on
Wednesday, June 9, 2004
At 10:030 a.m.
Ann Arbor, MI

I. Call to Order

II. Introductions

III. Approval of Agenda

IV. Approval of Minutes of March 25, 2004 meeting

V. Old Business

~~A.B.~~ Applications

1. Oakland County application *APPROVED*
2. Detroit application *APPROVED*
3. Macomb County application *APPROVED*
4. Monroe County application *APPROVED*
5. Other

~~B.D.~~ System Implementation Committee *MDOT - AUTHORIZATIONS TO BE CANCELLED.*

~~C.D.~~ 821 Regional Plan Revision -

~~D.D.~~ Consensus Plan - *???*

~~E.M.~~ South-East Michigan Frequency Subcommittee *APPROVED*

F. Other

VI. New Business

~~A.~~ Applications

~~1.~~ Sanilac County

~~2.~~ Tuscola County

~~3.~~ Clinton County request for coordination *JIM FVIE*

~~4.~~ Other *REGISTRY PROCEDURES, LOOK AT*

B. Other

VII. Next meeting date *9-14-04, 10:00 AM*

VIII. Adjournment

MPSFAC Meeting Minutes
Ann Arbor, MI
June 9, 2004

Members Present:

Joe Turner – Chairperson
Dale Berry – Vice Chairperson
– Treasurer/Secretary
Keith Bradshaw
Dave Held
Al Eichenberg
Al Nowakowski

MI APCO

Michigan Municipal League
Michigan Association of Ambulances Patricia Coates
APCO Frequency Advisor
Alternate Frequency Advisor
State of Michigan
State of Michigan

Other Attendees:

Mike Whately
Dennis McDowell
Dave Rayford
Jim Fry
Walt Pheeny
Rod McLain
Karl Beckman
Steve Lasher

CSI
M/A COM
City of Detroit
City of Detroit
City of Detroit
City of Detroit
Motorola
Motorola

I. Call to Order

The meeting was called to order by Mr. Turner at 10:32 a.m. Mr. Turner announced that the meeting would be recorded. A sign in sheet was distributed.

II. Introductions

Attendees introduced themselves

III. Approval of Agenda

Mr. Held requested that item E move to the top of the agenda. Agenda was approved as amended by consensus

IV. Approval of Minutes of March 25, 2004 meeting

Motion by Berry, supported by Eichenberg, to approve the minutes of the March 25, 2004 meeting as written. Motion carried unanimously.

V. Old Business

E South East Interference Subcommittee
Motion by Held, supported by Bradshaw, as follows:

It is moved that the Michigan Frequency Allocations Committee and the MI NPSAC approve the following frequency swaps in the 806 and 821 MHz bands to resolve interference identified between Oakland Co. and the City of Detroit.

Move from Detroit to Oakland Co.- FCC Channel # 14,15,16,17,54,55,56,57,94,95,96,
97,134,135,136,137,174,175,176,177

Assign from the MI Pool to Oakland Co, -FCC channel # 1,5,62,126,607.

Move from Oakland Co to City of Detroit- FCC channel #651,656,683,701,729,793,807.

Move from State license to City of Detroit- FCC channel #704,709,710,780,784,820,824.

Move from Oakland Co to MI Pool: FCC channel #604, 610, 612, 621, 623, 625, 627, 660, 686,
720, 800.

Move from Detroit to MI Pool: FCC channel #653, 684, 692, 693, 698, 722, 738, 740, 764, 768, 771, 791, 804.

Move from State to MI pool: FCC channel #636, 674, 712, 750, 788.

Further the Committee's authorize the Michigan Frequency Advisor to approve applications submitted to accomplish this swap that have met all FCC, MI Plan and Committee rules.

Mr. Held complimented all parties on a successful resolution. Ms. Coates and Mr. Lasher complimented Mr. Held on facilitating the meetings.

Motion carried unanimously.

A. Applications

1. Oakland County application

Mr. Bradshaw stated that he had no objection, although he wasn't certain if mutual aid channels needed to be on the application. The Clarkston site exceeds the three mile contour, but does make five mile, so Mr. Bradshaw had no objection. Mr. Held observed that- Schedule H had been left off site 1, to which Mr. Whately replied that Oakland had made no changes to site 1.

Motion by Held, supported by Berry to approve. Motion carried unanimously.

2. Detroit application

Mr. Held stated that he had reviewed and detected several minor technical errors which applicant has corrected (for example, antenna height exceeded tower height) and FRN was added. The frequencies comply with the subcommittee motion.

Motion by Coates, supported by Held, to approve. Motion carried unanimously.

3. Macomb County application

Mr. Bradshaw stated that the frequency list adds 867.8875 and 867.900, and New Haven Fire has added six more portables. Macomb County Board of Commissioners are expected to approve the contract on Thursday, May 17th. All sites are under 190', so registration is not required.

Motion by Bradshaw, supported by Held, to approve pending review and correction of typographical errors. Motion carried unanimously.

4. Monroe County application

Mr. Eichenberg distributed a revised application, having dropped frequencies that were contentious. Mr. Held stated that he had reviewed and detected minor problems, which the applicant has corrected and has included a list of participants as requested.

Motion by Held/Berry, supported by Berry, to approve. Motion carried unanimously with one abstention by Eichenberg

B. System Implementation Subcommittee

Mr. Eichenberg stated that, regarding the MDOT five frequencies, MDOT has formally declined to respond to MPSFAC. He stated that State radio technicians had monitored frequencies for 30 days, and the only traffic was carrier identifiers. Mr. Eichenberg inquired as to how the FCC is notified?

Motion by Bradshaw to notify the FCC and APCO that the MDOT system has not been constructed. Mr. Eichenberg stated that the licenses are held by State, so the State can probably cancel on their own (or can go through the formal process). DIT by executive order handles radio communications, including licensing, but there are dozens of FRNs to be cleaned up. Turner MPSFAC suggested that Mr. Eichenberg until the next meeting date to cancel the licenses, at which time MPSFAC will send the letters. Amended motion by Bradshaw, supported by Held. Motion carried unanimously.

C. Consensus Plan

Mr. Nowakowski advised the Committee of a "new wrinkle" - Nextel has offered up additional spectrum, giving up 4 ½ mg total. There is also a groundswell at FCC to get back to enforcing rules and skip the swap plans altogether. Chairman Powell has officially rescinded his support of the consensus plan, since a

decision by the end of May was not achieved. Mr. Nowakowski further stated that Region 21 will have real problem as number 14 on list of regions to be moved, but that has no real validity until Canada agrees and treaties are signed

D. 821 Regional Plan Revision.

Mr. Bradshaw advised there was no report, but that good progress had been made on the 700 MHz plan, which can be used as a model for the 821 plan.

F. Other Old Business

Ms. Coates, as Treasurer, reported that Mr. Bradshaw had been reimbursed for training, which depletes the account. Mr. Bradshaw advised that additional funding may be available, and that he will check with Dave Funk. Mr. Beckman stated that funding may be available for 4.9 under a NPSTIC grant

Mr. Rayford expressed thanks to the Committee on behalf of the City of Detroit for the work on the frequency interference.

VI New Business

A. Applications

1. Sanilac County

No application

2. Tuscola County

No application

3. Clinton County

Clinton County's is a request for coordination for low power vehicular repeater frequencies. Mr. Bradshaw stated that he needs a formal request on letterhead. Mr. Nowakowski suggested that Clinton should look at 806's for separation

4. Other

Mr. Nowakowski asked if the committee has a list of applicant requirements for application, to which Mr. Bradshaw replied yes, it appears on page 16 in the plan and there is also a separate list There was discussion of modifying Region 21 procedures to match region 54, and whether this would require formal modification of the plan. Mr. Turner and Mr. Held stated that these procedures are administrative and do not require plan modification. Mr. Bradshaw believes such procedures need to go through the FCC, and Mr. Beckman stated that if there is anything on list that is not in plan, there might be an issue. The committee will send comments via email.

B. City of Owosso

Oakland has requested a letter of concurrence from Owosso. The City sent a letter, but did not include the FCC mandatory language that the system had been constructed. It appears that the system never was constructed. Finder's preference has been discontinued. Mr. Bradshaw can send letter to Owosso – Bradshaw says license no longer exists, but it is still in the data base.

C. Other New Business

Mr. Turner raised a concern about meeting attendance. Some representatives never attend. APCO has suggested that they appoint an alternate in case their four primary appointees are unable to attend, which Mr. Held supports, but stated that the committee has no formal bylaws regarding attendance. This issue will be placed on the next agenda.

VI. Next meeting date

The next meeting will be September 14 at 10:00 in Ann Arbor or at the call of chair

VII. Adjournment

Motion by Bradshaw, supported by Eichenberg, to adjourn. Motion carried unanimously. Mr. Turner adjourned the meeting at 11:35 a.m.

Michigan Public Safety Frequency Advisory Committee Meeting
Meeting Agenda

The Region 21 MPSFAC meeting will be held on
Tuesday, September 14, 2004
At 10:00 a.m.
Washtenaw County EOC
Ann Arbor, MI

- I. Call to Order
- II. Introductions
- III. Approval of Agenda
- IV. Approval of Minutes of June 9, 2004 meeting
- V. Old Business
 - ~~A.~~ Applications
 - 1. Monroe County modification OK
 - 2. Other
 - 3. MRCOMB
 - ~~B.~~ System Implementation Committee
 - ~~C.~~ 821 Regional Plan Revision
 - ~~D.~~ Consensus Plan *BUCKET 02-55*
 - ~~E.~~ South-East Michigan Frequency Subcommittee
 - 1. Letter from State regarding frequency swap
 - ~~F.~~ Meeting attendance rules
 - ~~G.~~ Other *1) AG OPINION*
2) 4.9 GHz
- VI. New Business
 - A. Applications
 - 1. Other
 - B. New APCO Appointee
 - C. Other
- VII. Next meeting date *12-7-04 10:00 AM HERE*
- VIII. Adjournment *12:18 PM*

wanna be the TA?

www.tasc.etc.org

851-864 users will be made?

854-864?

851-854?

* CALL PAT PATTERSON I.E. DCS550 AUTHORIZATION. DALLINO SENT LETTER ADDRESSED TO JEN BRIDGWATER. WHAT DOES HE NEED? TO PROCEED.

* INVENTORY NOW - ALL EQUIPMENT THAT NEEDS TO BE TOUCHED!

* ARTICLE TO COMPILE FOR PUBLICATIONS, COMMENTS TO BE SENT TO JOE TURNER. FOR INFO TO P.S. LICENSEES.

* EMAIL 700 BY-LAWS TO MPSFAC MEMBERS.

MPSFAC Meeting Minutes
Ann Arbor, MI
September 14, 2004

Members Present:

Joseph Turner – Chairperson
Dale Berry – Vice Chairperson
Patricia Coates – Secretary/Treasurer
Keith Bradshaw
Dave Held
Karen Chadwick
Lloyd Collins
Al Eichenberg
Dale Berry
Jim Fyvie
Bill Nelson

Michigan Municipal League
Michigan Association of Ambulances
MI APCO
APCO Frequency Advisor/Macomb County
Alternate Frequency Advisor/State of MI
MI APCO
Michigan Association of Chiefs of Police
State of MI - MPSCS
Michigan Association of Ambulances
MI APCO
Michigan Fire Chiefs Association

Others Attendees:

Karl Beckman
Mike Whately
Mark Jonkrieg
Harry Warner

Motorola
CSI
Ottawa County
Buford Goff

I. Call to Order

The meeting was called to order by Mr. Turner 10:15 a.m.

II. Introductions

The members introduced themselves and an attendance sheet was distributed. Mr. Turner announced that the proceedings would be recorded. Ms. Coates introduced the new APCO appointee to MPSFAC, Karen Chadwick.

III. Approval of Agenda

Mr. Bradshaw requested the addition of an item under G. "Other" regarding a response from attorney general regarding legal status of MPSFAC. Mr. Turner requested the addition of an item under G. "Other" – regarding the timelines for 4.9 GHz.
Motion by Fyvie, supported by Held to approve the agenda as modified. Motion carried unanimously.

IV. Approval of minutes

The typographical error "mg" was corrected to "MHz".
Motion by Held, supported by Eichenberg, to approve the minutes of the June 9, 2004 meeting as corrected. Motion carried unanimously.

V. Old business

A. Applications

1. Monroe County – Mr. Eichenberg will need letter from Mr. Held, and requests no action from the Committee at this time.
2. Clinton County – Mr. Fyvie clarified that Clinton's request was for informational purposes only, and requires no action from the Committee at this time.
3. Other Application
 - a. MPSCS Detroit

Mr. Eichenberg presented a letter from the MPSCS to add frequency 868.9625 to Detroit Plaza building (a state-wide frequency already in the system). Mr. Held sees no interference potential.

Motion by Held, supported by Bradshaw, to approve. Motion carried unanimously.

b. Macomb County

Mr. Held inquired if additional information on the application will be forthcoming. Mr. Eichenberg replied that there is still a frequency conflict with Genesee County, and that no additional action is needed until a replacement frequency is found. Mr. Held will work with Macomb to confirm the list of frequencies

B. **System Implementation Committee**

1. Owosso letter of concurrence with Oakland County

Oakland has sent a letter to the FCC, requesting that the construction status of the Owosso system be confirmed. Mr. Bradshaw stated that it should fall under MPSFAC even if it is an 806. Mr. Turner inquired if MPSFAC should draft a letter or policy recommendation? Ms. Coates concurred, and asked if there were additional steps the County should take as others in state may be in similar situations. Mr. Held stated that a letter should come from Mr. Bradshaw as frequency advisor. Mr. Turner asked, especially if there is a question of jurisdiction for 806s, to whom the letter should be sent. Mr. Bradshaw recommended that he send a letter to APCO to forward to FCC. Mr. Berry stated that, in light of the AG opinion, the wording be more informational - MPSFAC is advisory, not enforcement. Mr. Beckman suggested that, in light of the Nextel plan timeline, Oakland send a follow up letter. Mr. Held compared this to the MSP research with MDOT, which required monitoring and documentation. Mr. Bradshaw concurred that documentation would be helpful as the FCC is understaffed. Mr. Beckman suggested that the FCC field office be asked what would be needed, and Mr. Bradshaw volunteered to follow up on that. A discussion on a MPSFAC policy ensued.

MPSFAC POLICY Regarding Non-Construction;

- Receive complaint
- Determine if Action is required
- Initiate direct contact with allegedly non-constructed agency in writing, using discretion in language, to get both sides
- Offer both parties a public review during a MPSFAC meeting
- Ascertain if investigation has been done and, if not sufficient, investigate further
- If investigation confirms complaint is valid, file a letter with APCO to forward to the FCC

Discussion: Mr. Beckman suggested specifically invite an FCC engineer from field office to the public review. Mr. Whately questioned the advisor's authority on non-NPSPAC; Mr. Held asserted that authority has been granted by Coordinator (APCO) to provide input, and Mr. Bradshaw concurred that authority is covered under the memorandum of understanding from the FCC to APCO.

2. MDOT

Mr. Eichenberg advised that MDOT will transfer FRN to the State and then State can cancel. Mr. Held stated that one of the Monroe frequencies is from MDOT, and suggested a letter from Mr. Turner to help the State facilitate the swap.

C. **821 Regional Plan Revision**

Mr. Held stated that discussion at APCO in Montreal regarding the Nextel Plan was that if the frequency sort is not changed, swap would be simple – use caution if amending the sort. Mr. Bradshaw questioned if the sort is even still valid, and stated that this might be an opportunity to fix current problems. Mr. Held reminded the Committee that Canada recognizes the problem but has taken no action, so border states will be last. Mr. Beckman stated that Michigan is number 15, and that changes made now will not jeopardize the Nextel planned swap. Mr. Eichenberg suggested the Committee generate a new sort reflecting the actual licenses, and Mr. Bradshaw concurred.

D. Consensus Plan

Mr. Held explained that under the 02-55 Docket there are interim and long-term solutions. Interim steps dictate that cell companies must notify public safety of new sites and frequencies, with abatement of interference at company's expense. Levels have been set for interference protection, and Mr. Eichenberg stated that the levels and some parts of docket may become rule even if Nextel Plan does not happen

In the final plan, Nextel vacates 806 to 809. A new 4 ½ MHz is added to public safety. NPSPAC will move down 15 MHz. The next step is the identification of a TA (Transferring Authority), which was just extended from original 45 days Locals will have to identify all equipment that needs to be changed out, and how much it will cost, and must be accurate, as they cannot submit for additional costs at a later time.

Agencies should start inventory now, to prepare for the ten-day window. If there are changes in power, height, etc. then frequencies may have to be re-coordinated. Mr. Whately stated that utilities may not want to move, and they have the most votes on the FCC committee. Mr. Turner stated that MPSFAC should take a role in notifying everyone in state through a letter to police chiefs, MAT, Municipal League. Etc. Mr. Turner will accept emails input from the Committee and compile the letters. Mr. Held stated that the time frame is about two months. The letters should also encourage the locals to contact their equipment vendors to determine what needs upgrades, what needs replacement, etc. Mr. Held provided a web site for the TA: (www.TASC.UTC.org)

E. South-East Michigan Frequency Subcommittee

F. Meeting attendance rules

The group discussed by laws, or utilizing the 700 MHz Plan bylaws, to encourage attendance. A member's appointing group should be notified of repeated absences from meeting. Mr. Berry cautioned that by laws will raise other questions about the legal status of MPSFAC and its liability, especially whether liability flows back to the organizations that appoint?

G. Other

1. AG Opinion

Mr. Bradshaw inquired in December of 2003 through local state Representative Acciavatti, who has offered to write to FCC and set up a meeting with AG for us. Mr. Bradshaw wants a letter that holds MPSFAC and the appointing agencies harmless. Mr. Berry expressed concern that is the Committee wants to be an advocate beyond NPSPAC, it will not get support from the FCC. Mr. Turner believes we have a delegated responsibility, and not just NPSPAC. Mr. Held stated that the federal law that created coordinators, and the policy by which APCO created advisors, supports local input. MPSFAC has been useful to provide and obtain feedback from other groups and members in advisory and coordination process. MPSFAC advises the advisor. Would committee like Bradshaw to pursue meeting with FCC? All committee members would like to attend; Mr. Berry will also contact an attorney to advise us.

2. 4.9 GHz time frame

Mr. Held stated that this was also a topic in Montreal. 4.9 is usually wide band (data, video, etc) and the licensee has choice on how to allocate and how much to use. Only one company makes equipment, and the original 6 month deadline to plan has been postponed indefinitely by the FCC.

Mr. Beckman stated that there are no technical standards. Mr. Eichenberg stated that the FCC is granting licenses, as the State received theirs several months ago.

VIII. **New Business**

A. **Applications**

None

B. **New APCO Appointee to MPSEAC**

Mr. Turner formally welcomed Ms. Chadwick to the Committee

C. **Other**

Mr. Held stated that APCO is in process of changing hardware, which should be transparent to applicants. Currently advisors have their own computer and download and upload – new system will be internet based and nothing will be retained on a local PC. A server by a company called Spectrum Watch will house data. APCO has approved contract with Spectrum Watch and are in the design phase, targeting May of 2005. Mr. Held believes this will have positive results, being more timely, more portable, and allow better communication with applicants.

VII. **Next meeting date**

The next meeting will be December 7, 2004 at 10:00 a.m. in Ann Arbor

VIII. **Adjournment**

The meeting was adjourned by Mr. Turner at 12:15 p.m.

MON JAN 10 DELTA TWP BROAD BAND OVER PL MTC.
REQUESTED ALSO PRESENCE.

Michigan Public Safety Frequency Advisory Committee Meeting
Meeting Agenda

The Region 21 MPSFAC meeting will be held on
Tuesday, December 7, 2004
At 10:00 a.m.
Washtenaw County EOC
Ann Arbor, MI

- I. Call to Order
- II. Introductions
- III. Approval of Agenda
- IV. Approval of Minutes of September 14, 2004 meeting
- V. Old Business
 - A. Applications
 - 1. Other
 - B. System Implementation Committee
 - C. 821 Regional Plan Revision
 - D. Consensus Plan
 - E. South-East Michigan Frequency Subcommittee
 - F. Meeting attendance rules
 - G. Other
- VI. New Business
 - A. Applications
 - 1. Tuscola County
 - 2. Westland
 - 3. Other
 - B. Other
- VII. Next meeting date 1-18-05 10:00 AM WASHTENAW CNTY EOC
- VIII. Adjournment + 700 MHz MTC 12:30 AM

the meeting ask what frequencies are proposed, and ask for a 7 X 24 contact number. Mr. Bradshaw stated that incumbents are supposed to be held harmless. Mr. Eichenberg stated that this technology will require high frequencies with considerable bandwidth, and suggested that incumbents need to benchmark and document specifically what the public safety system was like before the power line implementation, to prove interference. A New York pilot project was terminated because of interference with HAMS. Spurious transmissions and harmonics are an issue. 800 MHz should experience the least problems, but low band will have the most problems DNR AVL and some fire crews are still low band. This may also impact FM radio, and the broadcasters may have objections and should be made aware of the meeting. Garage door openers, baby monitors, cordless phones, or any part 15 wireless device could be impacted. Consumers has knowledgeable staff, but getting to the right person is difficult – get a contact number Brent Williams should also be advised, as EMS has a stake in high band. Mr. Eichenberg suggested the Counties research the licenses of stations in the area that might be impacted and advise them. Mr. Turner suggested the Counties send Consumers a letter asking all the questions (frequency, will they pay for benchmarking, contact name and number, etc.). Several MPSFAC members will attempt to attend the meeting.

C. System Implementation Subcommittee

1. MDOT

Mr. Eichenberg stated that the MDOT licenses had been transferred and cancelled

2. Owosso

Mr. Held stated that he disagreed with Oakland's application being cancelled, resulting in Oakland having to fees. Mr. Bradshaw asked if Oakland County had monitored the frequency, and Ms. Coates advised that Oakland had not, as Owosso had stated that they never constructed. Mr. Eichenberg suggested that Oakland County assist the FCC in gathering documentation by submitting a FOIA for the construction completion notice and station records, equipment serial numbers and invoices, usage records, etc. Mr. Bradshaw suggested a letter from this committee to the FCC urging that this be considered a priority. Mr. Turner suggested a conversation with the city manager, and Chief Collins suggested a discussion with the police chief from MACP.

D. 821 Plan Revision

No Report

E. Consensus Plan

Ms. Coates distributed a news article indicating that Verizon has dropped its objections, but Cingular now has concerns. Mr. Eichenberg advised the committee that protection doesn't take place until next year. The TA has been selected. Mr. Nowakowski stated that several SMRS have filed for a stay, as some of their new frequencies may not be cellular capable.

F. South East Michigan Subcommittee

Mr. Held stated that the subcommittee is now expanding in other regions of the State, and may need to be renamed. Monroe and Macomb County's interference issues have been resolved. There are other interference concerns (e.g. Highland Park), but these involve non-NPSPAC channels.

G. Meeting Attendance

The Committee discussed whether alternates had been allowed in the past. Mr. Fyvie stated yes, and offered to contact the Michigan Sheriff's Association. This should be included in the for the 821 Plan revision. The minutes will now reflect excused and unexcused absences.

V. New Business

A. Applications

1. Westland

Mr. Held explained that Westland's license has expired, and the City has asked for and received an STA to operate during renewal process. Mr. Nowakowski noted that the previous call sign is referenced, which may bring up expiration and other problems with old license. Mr. Eichenberg stated that he left the call sign on for STA application. The application is for 12 frequencies, at a single site. User agencies are Garden City, Westland, Inkster, Dearborn Heights, and Wayne. Mr. Bradshaw noted that there are only 800 users on system, and not the 1200 required for 12 channels. He directed Westland to document the number of users, and if additional time is needed for new user agencies, Westland will need to file for extended implementation. Mr. Bradshaw questioned the height and power. Mr. Bradshaw ran his study assuming an omni-directional antenna, and will need to re-run it with a directional antenna. Letters of concurrence have been provided for adjacent channels. Ms. Coates stated that the Committee should consider that fact that this is an operational system and there are no interference problems. Mr. Eichenberg stated that many NPSPAC licenses were granted historically without addressing adjacent channels. Officer Fetner advised that there are two carriers on tower, one of which is Nextel, and Westland is concerned about possible interference issues if power is reduced. Mr. Bradshaw stated that Westland should clarify the number of antennae, and which frequencies are on each antenna. Officer Fetner asked what the impact would be on the system with reduced power. Mr. Eichenberg advised that Westland could expect to see a reduction in in-building coverage. Mr. Held advised that it is generally would be better to keep power, but lower the transmit antenna, leaving receive antenna high. Pending confirmation of the area of operation, unit count, and letters from any other jurisdictions planning to join the system, the application was tabled.

2. Tuscola County

Mr. Bradshaw stated that there are no problems with the frequencies requested.

Motion by Held, supported by Fyvie, to approve the Tuscola County application. Motion carried unanimously.

B. Other

1. 4.9 GHz

Equipment is now being built for this band, and licenses are being granted for full band. Oakland County, Detroit and MSP are licensed in Michigan.

2. Agenda

The Committee determined that applications (both old and new) should be placed at the beginning of future agenda for the convenience of applicants. There was some discussion of reinstating the practice of discussing the application with committee members only, prior to having the applicant appear before the committee. This was rejected.

VI. Next meeting date

The next MPSFAC meeting will be January 18th at 10:00 a.m. in Ann Arbor, with the 700 MHz meeting to follow at approximately 12:30 p.m.

VII. Adjournment

Mr. Turner adjourned the meeting at 12:20 p.m.