

**Rappahannock EMS Council
Disaster Committee Minutes
August 17, 2010**

Call to Order: Mark Garnett called the meeting to order at 13:30 hours.

Members Present:

Mark Garnett, Caroline County
Mark Bledsoe, City of Fredericksburg
Ray Harvey, Quantico
Steve Lynd, King George County
Paula Shaver, Red Cross
Emily Smith, Rappahannock Health District
Tina Skinner, REMS

Others Present:

David Moody, King George

Members Excused:

Doug Boggs, Spotsylvania
Wayne Green, Culpeper
Eric Lasky, Spotsylvania
Bruce Sterling, VDEM

Approval of Minutes: The minutes of June 1, 2010 meeting were approved as presented.

Reports:

Counties Present to Report:

Caroline County

Reported on activities related to the support of the 2010 Jamboree and the North Anna Power Station (VOPEX) drill. The County Emergency Management is readying / updating its emergency plans for the upcoming State Fair of Virginia in late September. .

City of Fredericksburg

Reported on the Hazardous Material Team's participation in the recent Jamboree and VOPEX exercise. The City has begun use of its new emergency text notification system Fredericksburg Alert ([www. fredericksburgalert.com](http://www.fredericksburgalert.com)). They also reported that they have begun promotion of a new public GIS system.

King George County

Reported on their updated planning related to the Jamboree Evacuation Plan. Their school buses now have GIS tracking capability.

Regional Council:

Reported that the new VDH contract has been approved. The new contract will require a MCI plan review and drill evaluation. This will be an area for new business at a future committee meeting.

Other Agencies/Organizations:

MCB Quantico

Reported that Raymond Loving has been named the new Fire Chief. The Committee's own Ray Harvey has been promoted to Deputy Chief. The base has also successfully conducted a recent HazMat exercise.

Rappahannock Area Chapter of the Red Cross

The Chapter reported their recent participation in the regional VOPEX drill.

Rappahannock Area Health District – Health Department

The HD reported on their recent relocation of an EMS Chempack in support of the Jamboree. They also assisted localities during the recent VOPEX drill. Chapter reported their recent participation in the regional VOPEX drill. They also commented that CDC officials have officially ended the H1N1 flu pandemic status.

Unfinished Business:

REMS announced that all Weather Radios have been distributed.

Work on a standing Chempack / Nerve Agency protocol continues.

New Business:

The committee discussed any observations and lessons learned in the emergency management discipline from the recent Jamboree. It was noted the JMAOCC and Central Dispatch Center allowed for faster face-to-face communication. It was also noted that a set of bolt cutters was positioned with the deployed Chempack resource. This access option should be considered for the standing REMS area resource. This logistics lesson has the potential to increase deployment time, secondary to not having to wait for a "Pack" key to be delivered.

There was a general discussion of which regional agencies still have active CERT team programs. It was reported that King George has a limited program. UMW still maintains a program. *No action is required from this discussion.*

Next Meeting: October 5, 2010 (Tuesday) at 13:30 hours. – Rappahannock EMS Council Training Center

Adjournment: The meeting was adjourned at 14:00 hours.

**Rappahannock EMS Council
Disaster Committee Minutes
October 5, 2010**

Call to Order: Mark Bledsoe called the meeting to order at 13:30 hours in the excused absence of the Committee Chair.

Members Present:

Mark Bledsoe, City of Fredericksburg
Doug Boggs, Spotsylvania County
Wayne Green, Culpeper County
Steve Lynd, King George County
Tom McCoy, Mary Washington Health Care
Emily Smith, Rappahannock Health District
Bruce Sterling, VDEM
Tina Skinner, REMS
Tracy Turman, Fauquier Health

Others Present:

Liz Smith, SRMC
Dee Dee Seidel, SRMC
Kelly McDonough, MWHC
Marianna Bedway, MWHC
Jared Beard
Tim Ducheney
Dawn Szabo

Members Excused:

Mark Garnett, Caroline County
Ray Harvey, Quantico
Kathy Hatter, Rappahannock- Rapidan Health District
Eric Lasky, Spotsylvania County
Eddie Peck, Sheriff Department Representative
Paula Shaver, Red Cross

Approval of Minutes: Motion was made by Bruce Sterling, seconded by Doug Boggs and carried to approve the August 17, 2010 meeting minutes as presented.

Special Recognition:

Council President, Kevin Dillard made a special presentation of plaques for those who made significant contributions in support of the region's EMS planning and coverage to the 2010 National Boy Scout Jamboree.

Reports:

Counties Present to Report:

City of Fredericksburg

Reported on preparations for two upcoming events being conducted in the City to include the annual Chili Festival and Wine Festival which both draw large crowds. No MCI activations reported.

Culpeper County

The annual Airfest will be held next week in the county with Fire & EMS prepared to support. No MCI activations reported.

Fauquier County

County will be participating in the VHA system drill scheduled for next week which will test regional hospitals through a tabletop exercise. No MCI activations reported.

Spotsylvania County

Reported on preparations for the Stonewall Jackson 20 mile Run to be held this weekend. VDOT will also be completing bridge repair work mid month which will affect traffic flow on Route 208 over Lake Anna. No MCI activations reported.

King George County

No Report.

Regional Council:

Discussed with committee members again the annual review of the Regional MCI Plan. This will be an action item from the Disaster Committee to the REMS Board of Directors at their December 2010 meeting. Input will also be solicited from the Emergency Operations Division at the Office of EMS. Deadline for committee member comments set at November 2nd, with further committee discussion and final input to be made at the next meeting. Members were reminded that they could view or print off the most current version of the plan from the council website.

Announced the Council President, who was recently re-elected to serve another two-year term, is evaluating all current standing committees for 2010-2012 appointments. Mark Garnett will continue to serve as Chairman to the Regional Disaster Committee. Current active members were advised they would be reappointed and thanked for their service.

Tina reported that the Policy for Vaccine Administration by EMS Providers in Virginia is being presented to the State Board of Health on October 15, 2010. Amendments to the *Code of Virginia*, effective March 29, 2010 recognized certain EMS providers as being authorized to administer vaccinations under the authority of their operational medical director without the physical presence of the medical director. The required policy is designed to provide guidance to Virginia Emergency Medical Services (EMS) Operational Medical Directors (OMD), EMS agencies, and EMS providers in the development of a program for the administration of vaccines by appropriately certified, authorized, and supervised EMS providers. Once approved more information should be made available on the Office of EMS website.

Other Agencies/Organizations Present:

Mary Washington Health Care

Reported on a VHA system drill to be conducted next week which will test MD, D.C. and NOVA region hospitals, and their ability to take adequate number of patients. MWHC expects to see 14 patients with the drill, and do not expect the need for local assistance. MWHC conducted its first influenza meeting of the season with normal tracking to begin. Also reported that in approximately six months the MWH Pharmacy will be relocated to a larger area of the lower level of the hospital. This will result in a change to the current chempack plan and storage with appropriate individuals to be notified.

Rappahannock Area Health District – Health Department

The Region's EMS Chempack was pre-deployed successfully and without incident for the State Fair held in Caroline County. Since H1N1 is no longer a pandemic, the Health Department will

be hosting several smaller flu clinics this season to include a flu exercise walk-through clinic at the Spotsylvania Mall on October 23, 2010.

Virginia Department of Emergency Management (VDEM)

No Report.

Unfinished Business:

Discussed the positive work completed this past year with the regional EMS Chempack. A Chempack/Nerve Agent Protocol was approved by the Regional Medical Director (RMD) and Caroline County OMD for specific use at the National Boy Scout Jamboree and State Fair in Caroline County. This protocol has been presented to the RMD and Regional Protocol Committee as a priority for further review and recommendation for approval to include in the Regional Patient Care Protocols.

New Business:

The Northern Virginia Hospital Alliance reported that all of their hospitals will be getting new HEAR radios, same frequency, building in redundancy. Old radios will become back-ups at each facility. Should be a seamless process for all EMS agencies.

Next Meeting: December 7, 2010 (Tuesday) at 13:30 hours. – Rappahannock EMS Council Training Center

Adjournment: The meeting was adjourned at 14:10 hours.

**Rappahannock EMS Council
Guidelines & Training Committee
Minutes**

October 25th, 2010
REMS Training & Simulation Center, Classroom A

Call to Order: Meeting was called to order by Pat Fitzgerald at 1900 hours

Roll Call and Recognition of Guests: Present were Doug Found, Pat Fitzgerald, Wayne Green, Wayne Perry (staff) and Linda Harris (staff).

Excused: Charlie Williams, Kelly Southard, Mark Garnett, and John Brandrup

Absent: Dr Garth, Dave Morris, Lori Knowles, Keith Moore, Dottie Williams, Greg Leitz, Mike Brewster.

Approval of Minutes: Motion made by Doug Found to approve the minutes from the August meeting. Second by Pat, Motion carried.

Staff Report:

Training Department Report

FA09 Intermediate and Paramedic Courses

Both classes have been completed and students are finalizing their field internship requirements.

From the Intermediate class – 5 have completed both written and practical testing for NREMT-I; 1 has completed the written testing but not the practical; 1 has attempted written testing. Two students have not yet completed the course requirements to be eligible for NREMT. The balance (8) are in the process with NREMT but have not yet tested.

From the Paramedic class – 1 has completed both written and practical testing for NREMT-P; 4 have yet to complete the course requirements to be eligible for NREMT. The balance (5) are in the process with NREMT but have not yet tested.

Virginia Paramedic Accreditation

The Paramedic follow up site visit for our re-accreditation was conducted by OEMS and we are now accredited through December 31, 2012. We must attain national accreditation through CoAEMSP by January 1, 2013. This process will be started in the next 30-60 days as the application is upwards of 70 pages and once submitted and approved it can take up to 6-8 months for the site visit to occur and the results are not available for 6-8 months after the site visit.

FA10 ALS Certification Programs

The FA10 Intermediate and Paramedic classes start October 26. There are 22 students confirmed in the Intermediate class and 9 students in the Paramedic class. Course approvals were submitted and training funds were also approved as submitted.

CICP

There is a survey running on the REMS website soliciting information on the dates and times for a class. The majority so far is for a class in the Spring of 2011.

National Registry Test Site

We would like to host a National Registry test site and eventually make it to the point of scheduling so that it is available to students that graduate from our programs. At this point it's probably not going to happen by the end of 2010 but something to think about for early 2011.

ALS Preceptor Class

The next class will be Monday November 1, 2010 at the REMS Training Center. Class starts at 7pm with the preceptor protocol test at 6pm.

EMT-B Evaluator class

This class will be held Wednesday November 17, 2010 from 7-10 pm at the REMS training center

ALS Required Topics

The class will be held from November 29, 2010 thru February 9, 2011 on Mondays & Wednesday nights from 7-10pm at the REMS Training Center.

BLS Refresher

This class will be held from January 29, 2011 thru February 12, 2011-Saturdays only from 8a-5p

The next EMT-B course will start the end of February 2011 and complete early June 2011.

ALS Release Extension Requests:

1. Steven Melone- He is asking for a 6 month extension. He had some problems with call volume while with his volunteer agency. He is now career in Stafford and will be placed with a new lead preceptor there. Motion made by Pat Fitzgerald, second by Wayne Green, motion carried.

2. David Robey – He is asking for a 3 month extension. His lead preceptor left the county and he now needs to find a new lead preceptor. Motion made by Pat Fitzgerald, second by Wayne Green, motion carried.

ALS Instructor/Coordinator Requests:

1. Chris Jett- He is asking for a recertification endorsement. He holds many instructor certifications and does ALS teaching through Stafford County. Motion made by Doug Found, second by Pat Fitzgerald, motion carried.

2. Jeff Sayles- He is asking to extend his endorsed area into the REMS Council. He has taught for REMS in the past and currently is employed by Life Evac and conducts classes at agencies through Life Evac. Motion by Doug Found, second by Pat Fitzgerald, motion carried.

Exemption Requests: none**Sub-Committee Reports:**

1.) Protocol No report except that the committee is currently working on research for the new protocols which be rolled out next summer. The next Protocol Committee Meeting is Tuesday, December 7, 2010.

2.) ALS Release- Several items were introduced for the committee to work on – Creating 2 preceptor lists; one for ALS release and the second for Field Internship. And to look at a RN to paramedic release program. There are some RN's within our region that have obtained their paramedic certification. And possible offering experiential credit for skills they have already perfected at their job as a RN, such as IV's. And finally adjusting the ages for pediatric, adult and geriatric patients to match those in the ALS provider class rotation paperwork.

Unfinished Business:

Last month it was reported that the REMS Council Office would like to hold a council wide Skills Drills for all providers. This will be a free all day Saturday event with evaluators from different agencies volunteering their time to test providers from all agencies. Doug Found volunteered to assist Linda with the coordination of this event and even offered his training facility if the REMS training center is booked.

New Business:

The REMS Board approved new CTS fees that will take effect for all classes that start after October 1, 2010. The new fee for initial testing is \$50.00 and retests are still \$25.00. This brings us in line with the rest of the state.

The REMS Council is currently working on On-line registration for Consolidated Test Sites. We are planning on this feature being on board in a few months. The provider will have the option to pay by credit card. Information will be sent to all agencies, instructors and placed on our web site when this feature is in place.

The council is also working on a High School Student only CTS in mid-May. We are working with all high school instructors to assist them with the testing of their students prior to graduation.

ALS/EMT-Basic Programs Audit:

EMT- Mike Lawson- Culpeper VRS- 8/23 – 12/15- M/W/F/S
 EMT- Tim Kimble- Fauquier F&R- 08/27 0 1/17- M/T/W/TH/F
 EMT-Tim Kimble – Fauquier F & R – 9/24-1/11 – T/T/S
 EMT-Tim Kimble – Liberty High- 8/27 – 1/17 – M/T/W/T/F
 Enhanced- Tim Kimble –Fauquier F & R 10/18 – 12/16 M-S
 EMT – Chris Corbin – Fred. VRS – 8/16 – 11/24 – M-W-S
 EMT – Cat Gardner – Colonial Forge HS 9/13 – 4/15 M-F x2
 EMT – Becky Raines – Stafford Senior HS – 9/15 – 4/01 M-F x2
 EMT- Jenni Meade Hartle-Stafford Tr. Centr-9/7 – 12/23 T/T/S
 EMT – Leigh Doucet- Caroline F & R- 9/11 – 2-1 T/T/S
 EMT – Greg Leitz – LOW F & R 8/23 – 1/6 – M/TH/S
 EMT - Roger Wilson – Orange High – 9/7 – 12/20 – M/T/W/T/F
 EMT – Stacy Southard – Orange Cty RS – 9/7 – 3/3 – TU/TH
 EMT – Doug Found – Spotsy VRS – 9/9 – 1/5 – M/TH/S
 EMT – Gloria Bolecek – Caroline HS 9-16 – 5-6-11 – M-F
 EMT – Victor Podbielski –JMHS 9/27 – 5/13/11 – M-F
 EMT –Greg Leitz – Spotsy Votec 9/13 – 5/12/11 – M-F x2
 Enhanced-Wanda Gardner-SVRS 9/22 – 1/10/11- W/S
 EMT- Charles Williams-KG F&R 9/27 – 12/29 – M/W
 Intermediate-Wayne Perry-REMS 10/19-5/14/11- T/T/S

I –P Bridge- Wayne Perry-REMS 10/19 – 5/28/11-T/T/S
Enhanced-Charlie Williams-Comm.Criminal Justice 11-8-11-20 M-F
EMT -Linda Harris-REMS-2/18/10-6/11/11-M/W/S

REMS BOD Action Item:

For the Good of the Order:

Adjournment: The next meeting is scheduled for **December 27, 2010 at** 1900 hours at the
REMS Training & Simulation Center.

**Rappahannock EMS Council
Disaster Committee Minutes
December 7, 2010**

Call to Order: Mark Garnett called the meeting to order at 13:32 hours at the Rappahannock EMS Council Training Center.

Members Present:

Mark Garnett, Caroline
Raymond Bell, Spotsylvania
Doug Boggs, Spotsylvania
Wayne Green, Culpeper
Ray Harvey, Quantico
Emily Smith, Rappahannock Area Health District
Tina Skinner, REMS Council

Others Present:

Zach Corrigan, NOVHA
Meg Pemberton, MWHC

Members Excused:

Mark Bledsoe, Fredericksburg
Eddie Peck, Sheriff Department Representative
Paula Shaver, Red Cross
Bruce Sterling, VDEM
Tracy Turman, Fauquier Health

Special Introduction: Dr. Raymond Bell, new REMS Board Member appointed by Spotsylvania County, was welcomed to the Committee.

Approval of Minutes: Motion was made, seconded and carried to accept the minutes of the October 5, 2010 meeting as presented.

Reports:

Counties Present to Report:

Caroline County

No report.

Culpeper County

No report.

Spotsylvania County

Reported on the County's new emergency text notification system. The system is expected to be in service in early 2011.

Regional Council:

Reported on the FY2011 contract with the VDH, Office of EMS which includes activities supported by the committee such as the annual review of the Regional MCI Plan and new this year, the requirement to test annually the regional MCI plan. Will be seeking discussion on accomplishing this at a future meeting.

Other Agencies/Organizations:

Mary Washington Hospital

Reported on the hospital's formation of a new EMS Advisory Committee. Additionally, the recruitment of a new EMS Coordinator is ongoing.

MCB Quantico

Reported that the Department has purchased a new walk-through Dive Truck. They are working to enhance the capabilities of their team.

Northern Virginia Hospital Alliance

Reported on new pediatric assessment training as well as triage drills.

Rappahannock Area Health District – Health Department

Reported on their progress towards a new statewide agency accreditation. They also reported on their support of flu clinics as well as upgrades to the Health Department Operations Center (HDOC). These upgrades include both generator and backup site support.

Virginia Department of Emergency Management

It was reported that Governor McDonald had reappointed Michael Cline as the State Coordinator.

Unfinished Business:

Review / Update of the Regional Mass Casualty Incident (MCI) Plan - The committee conducted its annual review and update of the regional MCI plan. Input was solicited from all regional agencies and partners. Additional comments were also received from VAOEMS. This year's update included clerical corrections/updates and the continued emphasis on the use of the incident command system, as well as references to the use of the Northern Virginia Regional Hospital Coordinating Center (RHCC) by regional hospitals. *The committee's recommended changes were forwarded to the REMS Board for consideration / adoption.*

Update on Regional Chempack Protocols – No report or new information has been received from the OMD Committee.

New Business:

None

Next Meeting: **February 1, 2011** (Tuesday) at 13:30 hours. – Rappahannock EMS Council Training Center

Adjournment: The meeting was adjourned at 15:07 hours.

RAPPAHANNOCK EMERGENCY SERVICES COUNCIL

REGIONAL DISASTER COMMITTEE

TOPICS FOR NARROWBAND DISCUSSION

February 1, 2011

What is Narrowbanding?

Splitting the Spectrum in half to get more channels- 2 for 1

We are at 25 kHz now going to 12.5 kHz on January 1, 2013

FCC Public Notice-one threshold already passed-No more wide band

Should you be scared about the Change—"NO"

Suppose certain users change in 2011 and others don't change until 2012

Users changing will have all of their equipment ready for 12.5 modulation

There is a difference in the modulation and detectable to the trained ear.

DEMO---2 MotorolaTrbo Radios with Statewide EMS

Channel one---Wide SWEMS-----Channel two-Narrow-SWEMS

Test count one to each other on Wide

One change to Narrow---Test count each to the other notice the difference

In who does not get the best receive

Switch which one has Wide / Narrow for measuring with our ears

Both on Narrow for clarity

"It's really not as bad as I thought it was going to be---9 on a 10 scale or

As one customer said mono versus stereo

We will live through it and It will not be as much challenge as thought

BIGGEST CONCERN-OLDER MINITORS BEFORE THE V(5)-OPENING UP

Must be updated

My Schedule

Meeting with customers-Spring-Summer Fall 2010-What's it About

Winter 2011---Inventory Units to see what will not make the "Hike"

MOTOROLA ON NARROWBANDING WITH THE LIST

Quotes on upgrade of equipment-reprogramming or replacement

Summer of 2011-Start licensing

Fall or Winter of 2011-2012 buy equipment needed

Summer of 2012-have all equipment and licensing completed

And Notice of Construction to the FCC

Easy Document for Licensing

FCC Narrowbanding Mandate

Frequently Asked Questions

What is Narrowbanding?

In an effort to promote more efficient use of spectrum, the FCC mandated all VHF and UHF Public Safety and Industrial /Business licensees using 25 kHz land mobile radio (LMR) systems migrate to narrowband 12.5 kHz efficiency technology by January 1, 2013.

What is spectrum efficiency?

Currently the UHF and VHF frequency bands are congested and often there is not enough spectrum available for licensees to expand their existing systems or implement new systems. This mandate requires licensees to operate more efficiently, either on narrower channel bandwidths or increased voice paths on existing channels. This will allow creation of additional channels within the same spectrum, thereby supporting more users.

What does Equivalent Efficiency mean?

The FCC does not mandate channel width, it mandates spectrum efficiency. FCC rules require 12.5 kHz or equivalent efficiency. Any of the following meet the 12.5 kHz equivalent efficiency requirement:

- One voice path in a 12.5 kHz channel
- Two voice paths in a 25 kHz channel
- Data rates of 4.8 kbps per 6.25 kHz channel, such as 9.6 kbps per 12.5 kHz and 19.2 kbps per 25 kHz channel

What do I need to do before January 1, 2011 versus January 1, 2013?

After January 1, 2011, users who apply for a new license or modify their existing license must specify 12.5 kHz efficiency. If you need to expand your service area for your existing 25 kHz efficiency system, you will need to submit an application before January 1, 2011. Manufacturers can no longer certify equipment capable of operating at 25 kHz efficiency after January 1, 2011. However, per the FCC Order, released June 30, 2010, manufacturers can now manufacture, import, and market equipment capable of operating at 25 kHz efficiency until January 1, 2013. This will allow you to purchase additional or replacement radios until you migrate to 12.5 kHz efficiency by that date, as mandated by the FCC.

By January 1, 2013 all licensees must convert to and operate in at least 12.5 kHz efficiency.

By that date, you must ensure that the 25 kHz mode is disabled via software on your dual mode 25/12.5 kHz radios. And you must replace all radios only capable of operating at 25 kHz efficiency.

What will happen if I fail to comply with the FCC Narrowbanding mandate? Can I continue to operate at 25 kHz efficiency on a secondary status after January 1, 2013?

No. The FCC will prohibit licensees from operating 25 kHz efficiency equipment on a secondary basis. Non-compliance will be considered a violation subject to FCC Enforcement Bureau action, which may include admonishment, monetary fines and loss of license.

How can I tell if my Motorola equipment is 12.5 kHz capable?

All Motorola radio equipment certified by the FCC since February 14, 1997 is 12.5 kHz efficiency capable. To review the list of Motorola 12.5 kHz capable products please visit www.motorola.com/narrowbanding.

How do I upgrade my existing 12.5 kHz capable equipment?

In most cases, the Motorola Customer Programming Software (CPS) can be used to reprogram the subscriber and base station radios to operate at 12.5 kHz. Typically, infrastructure site equipment (duplexers, multicoupler, window filter) does not require any changes. Contact your Motorola representative if technical assistance is required.

If I need to upgrade equipment, do I need to implement digital equipment?

No. Licensees can operate in either analog or digital formats as long as you operate at 12.5 kHz efficiency. Motorola 12.5 kHz efficiency equipment is available in both analog and digital formats.

Does Narrowbanding require me to change frequencies or obtain new channels?

No. Narrowbanding does not require moving to another frequency band or different channels. Licensees stay on the same channel center(s), but reduce the bandwidth of the channel(s) currently used, from 25 kHz to 12.5 kHz and change the emission designator on the license. Alternatively, licensees stay on the same 25 kHz channel but implement a 12.5 kHz equivalent technology on that channel.

If I currently have a license for a 25 kHz channel, will I automatically be entitled to license two 12.5 kHz channels?

No. Your 12.5 kHz channel will remain on the same 25 kHz channel center. Your current 25 kHz channel will not be split into two 12.5 kHz channels. You will need to justify and apply for any additional 12.5 kHz channels to the FCC through a certified frequency coordinator.

Will migration to 12.5 kHz change my system coverage area?

Maybe. Conduct tests during conversion to ensure your system continues to provide similar coverage. Contact your Motorola representative to help you determine if transmitter site changes or additions will be required to compensate for possible coverage change.

How can I determine if I have a valid FCC license?

Contact your preferred certified frequency coordinator or Motorola representative. Refer to the FCC website for listing of frequency coordinators at: FCC Wireless Telecommunications Bureau
http://wireless.fcc.gov/services/index.htm?job=service_home&id=industrial_business and
<http://www.fcc.gov/pshs/public-safety-spectrum/coord.html>

Has the FCC established a schedule for mandatory migration to 6.25 kHz efficiency?

No. The FCC has not set any date by which licensees must operate in 6.25 kHz efficiency. The current mandate only requires users to migrate to 12.5 kHz efficiency by January 1, 2013. Based on the 12.5 kHz migration time line, we believe that any potential future FCC decision to require users to migrate to 6.25 kHz efficiency will take a considerable number of years.

Does Motorola offer 6.25 kHz efficient products?

For those licensees who want to voluntarily move to 6.25 kHz efficiency, Motorola is currently shipping two complete product families that already meet a 6.25 kHz equivalent efficiency mode. ASTRO® 25 product line for Mission Critical Subscribers and MOTOTRBO™ product line for Commerce and Enterprise markets. Both operate at two voice paths in a 12.5 kHz channel, using a Time Division Multiple Access (TDMA) protocol. This technology allows you to double the capacity of your existing 12.5 kHz or 25 kHz channel.

How is Narrowbanding being managed in Canada? If I operate an LMR system in VHF or UHF in Canada do I follow the FCC requirements?

Licensees operating in Canada are not subject to the FCC rules, but instead are regulated by Industry Canada, which also set Narrowbanding requirements for all VHF and UHF land mobile radio equipment. While the intent is similar, the rules and deadlines vary. Similar to the U.S., since February 1997, all radios certified after that date were required to include 12.5 kHz efficiency. Industry Canada licensee dates are generally more aggressive than the FCC dates, requiring that as of February 1997, all new license applications must be in 12.5 kHz efficiency in the urban spectrum congested areas, and that as of January 1, 2004, all existing 25 kHz efficiency systems are considered "non-standard" in those spectrum congested areas. Industry Canada however, excluded the less populated areas from required Narrowbanding, and has not been consistent in enforcing these rules in the urban areas. While it also defined rules for meeting 6.25 kHz efficiency, it has placed a moratorium on those rules, which it will likely not lift before the FCC makes any future decisions. Licensees should contact their Regional Industry Canada office for Narrowbanding requirements in their area.

Where can I get additional help?

For more information on Narrowbanding, please contact your Motorola representative or visit www.motorola.com/narrowbanding.

For FCC licensing assistance, please contact your preferred frequency coordinator at:

FCC Wireless Telecommunications Bureau

http://wireless.fcc.gov/services/index.htm?job=service_home&id=industrial_business

and

<http://www.fcc.gov/pshs/public-safety-spectrum/coord.html>



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LICENSEES, FREQUENCY COORDINATORS, AND EQUIPMENT MANUFACTURERS REMINDED OF NARROWBAND MIGRATION DEADLINES IN THE 150-174 MHz AND 421- 512 MHz BANDS

This *Public Notice* reminds interested parties of the Commission's deadlines for private land mobile radio services in the 150-174 MHz and 421-512 MHz bands to migrate to narrowband (12.5 kHz or narrower) technology.¹ The Commission directed that a *Public Notice* be issued by December 31, 2009 reminding licensees and frequency coordinators of the approaching deadlines.² This *Public Notice* also provides additional information regarding the transition to narrowbanding technology.

Key Deadlines

Licensees and frequency coordinators should be aware of the following deadlines:

(1) beginning **January 1, 2011**,³ the Commission will no longer accept applications for

- new wideband 25 kHz (*i.e.*, operating with only one voice path per 25 kHz of spectrum) operations, and

- modification of existing wideband 25 kHz stations that expands the authorized interference contour (19 dBu VHF, 21 dBu UHF); and

(2) by **January 1, 2013**, Industrial/Business and Public Safety Radio Pool licensees must

- operate on 12.5 kHz (11.25 kHz occupied bandwidth) or narrower channels, or

- employ a technology that achieves the narrowband equivalent of one channel per 12.5 kHz of channel bandwidth (voice) or 4800 bits per second per 6.25 kHz (data).

¹ See Implementation of Sections 309(j) and 337 of the Communications Act of 1934 as Amended; Promotion of Spectrum Efficient Technologies on Certain Part 90 Frequencies, *Second Report and Order and Second Further Notice of Proposed Rulemaking*, WT Docket No. 99-87, RM-9332, 18 FCC Rcd 3034 (2003); Implementation of Sections 309(j) and 337 of the Communications Act of 1934 as Amended; Promotion of Spectrum Efficient Technologies on Certain Part 90 Frequencies, *Third Memorandum Opinion and Order, Third Further Notice of Proposed Rule Making and Order*, WT Docket No. 99-87, RM-9332, 19 FCC Rcd 25045 (2004) (*Narrowbanding Third Memorandum Opinion and Order*); see also 47 C.F.R. §§ 90.203(j), 90.209(b).

² See *Narrowbanding Third Memorandum Opinion and Order*, 19 FCC Rcd at 25057 ¶ 26.

³ A petition seeking a stay of the January 1, 2011 deadlines, filed by the National Public Safety Telecommunications Council (NPSTC) on September 29, 2009, is pending. See Wireless Telecommunications Bureau and Public Safety and Homeland Security Bureau Seek Comment on National Public Safety Telecommunications Council Petition for Stay of Interim Narrowband Implementation Dates, *Public Notice*, WT Docket No. 99-87, DA 09-2364 (WTB/PSHSB rel. Nov. 2, 2009).

Equipment manufacturers should be aware that, beginning **January 1, 2011**, the manufacture, importation, or certification of any 150-174 MHz or 421-512 MHz band equipment capable of operating with only one voice path per 25 kHz of spectrum will be prohibited; and applications for equipment certification must specify 6.25 kHz capability.⁴

Additional Information

How should licensees notify the Commission that they are in compliance with the January 1, 2013 deadline to migrate to narrowband or narrowband-equivalent technology?

The answer to this question depends on how and when the station came into compliance.

Licensees of stations that already satisfy the narrowbanding requirements because their authorized bandwidth does not exceed 12.5 kHz do not need to take any action to notify the Commission that the station has met the narrowbanding deadline.

Licensees of stations that currently are authorized to operate with a bandwidth exceeding 12.5 kHz that are transitioning to 12.5 kHz or narrower operation must file a modification application to either add a narrowband emission designator or change the wideband emission designator to a narrowband emission designator.⁵ The licensee will not need to take any additional action to notify the Commission that the station has met the narrowbanding deadline. Adding or changing an emission designator for an existing frequency does not trigger a new construction requirement, so the licensee will not need to file a new construction notification.

Note: Many stations are or will be authorized to operate on their assigned frequencies with multiple authorized bandwidths, including both wideband 25 kHz emissions and 12.5 kHz or narrower emissions. It is not necessary for licensees of such stations to delete the wideband 25 kHz emission designator in order to demonstrate compliance with the January 1, 2013 deadline. Instead, absent information to the contrary, stations that were authorized to operate with both wideband and narrowband emissions prior to January 1, 2013 will initially be presumed to be operating only with narrowband emissions (i.e., that the wideband mode has been disabled) after January 1, 2013. (All equipment certified since 1997 has been required to have a 12.5 kHz operational mode. Licensees should check with their radio equipment vendor to determine how to ensure that the equipment is operating in the 12.5 kHz mode.) The Commission also will have discretion to inquire of licensees to verify that they are operating in compliance with the Commission's rules.

Licensees of stations that currently are authorized to operate with a bandwidth exceeding 12.5 kHz that have complied or will comply with the narrowbanding deadline by adopting narrowband-equivalent equipment will be required to certify compliance with the deadline. This is necessary because it will not always be apparent from the license's technical parameters whether a 25 kHz station is a non-compliant wideband station or a compliant narrowband-equivalent station. We plan to implement this

⁴ These 2011 deadlines applicable to manufacturers also are subject of the NPSTC petition for stay. The 6.25 kHz requirement does not apply to hand-held transmitters with an output power of two watts or less. See 47 C.F.R. § 90.203(j)(4).

⁵ Currently, the Commission's rules require frequency coordination for a modification application that proposes to reduce the authorized bandwidth on the licensed center frequencies, see 47 C.F.R. § 90.175, but the Commission has sought comment on exempting such applications from this requirement. See Amendment of Part 90 of the Commission's Rules, *Notice of Proposed Rulemaking and Order*, WP Docket No. 07-100, 22 FCC Rcd 9595, 9596-97 ¶ 3 (2007).

certification requirement by revising a future version of the relevant application form for new, renewed, and modified station licenses to require licensees subject to the narrowbanding mandate to indicate whether or not the requested operations comply with the narrowbanding requirements. The Commission also will have discretion to inquire of licensees regarding existing licenses for which no such certification is received because the license was not renewed or modified before January 1, 2013.

Will the Commission take any other action to remind licensees of the upcoming narrowbanding deadlines?

Yes. In addition to this *Public Notice* and the measures discussed above, the Commission will in the near future begin placing a special condition on all new, renewed, and modified licenses for stations in the radio services and frequencies subject to the narrowbanding mandate to remind licensees of the January 1, 2013 deadline. The special condition will be removed from the license at some point after the licensee notifies the Commission that the station is in compliance with the narrowbanding deadline, as discussed above.

May a station that does not meet the January 1, 2013 narrowbanding deadline operate after that date on a secondary basis?

No. As of January 1, 2013, the Commission's rules will prohibit Industrial/Business and Public Safety Radio Pool licensees in the 150-174 MHz and 421-512 MHz bands from operating with wideband channels (unless their equipment meets the narrowband efficiency standard), even if the license still lists a wideband emission designator. Operation in violation of the Commission's rules may subject licensees to enforcement action, including admonishments, monetary forfeitures, and/or license revocation, as appropriate.

Can previously certified multimode equipment be manufactured or imported after January 1, 2011?

Yes, under certain circumstances. The equipment certification for previously certified multimode equipment containing a wideband 25 kHz mode will continue to be valid, and such equipment may continue to be manufactured and imported, only if the modes of operation are enabled primarily through software rather than firmware or hardware, and users are not provided with the programming software necessary to activate the wideband 25 kHz mode.

For further information, licensees and frequency coordinators may contact Mr. Melvin Spann of the Wireless Telecommunications Bureau, Mobility Division, (202) 418-1333, Melvin.Spann@fcc.gov, or Mr. Zenji Nakazawa of the Public Safety and Homeland Security Bureau, Policy Division, (202) 418-7949, Zenji.Nakazawa@fcc.gov; and equipment manufacturers may contact Mr. Andy Leimer of the Office of Engineering and Technology, (301) 362-3049, Andrew.Leimer@fcc.gov.

-FCC-

FCC Narrowbanding Compliance

What You Need To Know

Motorola Subscriber Radios and Stations Capable of Migrating to 12.5 kHz Efficiency

Model

Portables:

APX 7000
BPR40
CLP 1010
CLP 1040
CLS 1110
CLS 1410
CP110
CP185
CP200
CP200•XLS
EX500
EX560•XLS
EX600•XLS
HT1250
HT1250•LS+
HT750
MT 1500
PR1500
PR400
PR860
RDU2020
RDV2020
RDU2080d
RDV2080d
RDU4100
RDV5100
RDU4160d
VL50
XPR 6350
XPR 6550
XTS 1500
XTS 2500
XTS 4000
XTS 5000

Mobiles:

APX 7500
CDM1250
CDM1550
CDM1550•LS+
CDM750
CM200
CM300
PM1500
PM400
XPR 4350
XPR 4550
XTL 1500
XTL 2500
XTL 5000
XTL 5000 Consolette

(continued on back)

Are your radio system and subscribers ready for Narrowbanding?

The Federal Communications Commission (FCC) is mandating all public safety and industrial/business licensees convert existing 25 kHz radio systems to minimum narrowband 12.5 kHz efficiency technology by January 1, 2013. The purpose of the narrowband mandate is to promote more efficient use of the VHF and UHF land mobile frequency bands.

Who is affected?

All land mobile Part 90, 25 kHz efficiency systems operating on VHF (150-174 MHz) and UHF (421-512 MHz) frequency bands.

Key dates

The FCC has set the following deadlines for licensees and manufacturers, requiring migration to minimum 12.5 kHz efficiency systems.

RADIO USERS (LICENSEES)

January 1, 2011

Applications for new licenses or for license modifications to expand existing service areas must specify at least 12.5 kHz efficiency. The FCC will no longer accept applications for systems operating at 25 kHz efficiency.

January 1, 2013

All licensees must convert to and operate in at least 12.5 kHz efficiency. Existing dual mode (25/12.5 kHz) equipment must have the 25 kHz efficiency mode disabled via software. Equipment capable of operating only at 25 kHz efficiency must be replaced.

Note: The FCC has NOT set any date by which licensees must operate in 6.25 kHz efficiency in these bands.

EQUIPMENT PROVIDERS/MANUFACTURERS

January 1, 2011

Can no longer certify equipment that is capable of operating at 25 kHz efficiency.

January 1, 2013

Can no longer manufacture, import, or market equipment that is capable of operating at 25 kHz efficiency.

January 1, 2013

Radio equipment submitted for certification must include a 6.25 kHz efficiency mode. Radios can be dual mode 12.5/6.25 kHz efficiency.

What is Spectrum Efficiency?

Today, VHF and UHF frequency bands are extremely congested making it difficult for licensees to expand their existing systems or implement new systems. Requiring licensees to convert their existing radio systems to operate more efficiently, either on narrower channel bandwidths or increased voice paths on existing channels, will allow creation of additional channels within the same spectrum.

What does Equivalent Efficiency mean?

The FCC rule requires 12.5 kHz or equivalent efficiency. Any of the following meet the 12.5 kHz equivalent efficiency requirement:

- One voice path in a 12.5 kHz channel
- Two voice paths in a 25 kHz channel
- Data rates of 4.8 kbps per 6.25 kHz channel, such as 9.6 kbps per 12.5 kHz and 19.2 kbps per 25 kHz channel

FACT SHEET

Motorola Subscriber Radios and Stations Capable of Migrating to 12.5 kHz Efficiency (cont'd)

Stations:

Quantar
GTR 8000
MTR2000
MTR3000
XPR 8300
RPU 2160

Pagers:

Advisor II
MINITOR V

DISCONTINUED Motorola Subscriber Radios and Stations that **may be** capable of Migrating to 12.5 kHz Efficiency. Please contact your sales representative for details.

Model

Portables:

AXU4100
AXV5100
CP100
CP125
CP150
HT1000
HT1550 XLS
JT 1000
MT 2000
MTS 2000
ASTRO Saber
Spirit GT
SPIRIT M
XPR6300
XPR6500
XTN
XTS 3000
XTS 3500

Mobiles:

ASTRO Spectra Consolette
ASTRO Spectra
ASTRO Spectra Plus
LCS 2000
MCS 2000
XPR4300
XPR4500

Note: The list of current and cancelled products may not be complete. Contact your sales representative for more information.

Motorola products meet Narrowbanding Compliance

12.5 kHz Efficiency

As a trusted leader in two-way communications, Motorola has been preparing for 12.5 kHz technology for over decade and offers the broadest choice of two-way radio equipment with close to 60 models capable of operating in 12.5 kHz efficiency. All Motorola radios certified by the FCC after February 14, 1997 meet the 12.5 kHz capability requirement. Newer Motorola radios enable modes of operation primarily through software, rather than firmware or hardware. The FCC will consider licensees to be in compliance if the 25 kHz efficiency mode of a dual mode 25/12.5 kHz radio is disabled via software and the radio user cannot subsequently reactivate the 25 kHz efficiency mode.

6.25 kHz Efficiency

For those licensees who want to voluntarily move to even greater efficiency than the 12.5 kHz efficiency required by the FCC, Motorola is currently shipping two complete product families that already meet any FUTURE FCC decision for licensees to operate in a 6.25 kHz equivalent efficiency mode.

- ASTRO 25 product line for mission critical public safety markets
- MOTOTRBO product line for commerce and enterprise markets

Both operate at two voice paths in a 12.5 kHz channel, using a Time Division Multiple Access (TDMA) protocol. This technology allows licensees to double the capacity of their existing 12.5 kHz channel. In addition, they meet the current FCC requirement for licensees to operate in a 12.5 kHz efficiency mode by January 1, 2013.

Preparing to meet the mandate

With deadlines approaching rapidly, licensees who have not started their narrowband migration should considering the following steps today:

- Take an inventory of your radios to assess what equipment is capable of operating in 12.5 kHz and what will need to be replaced. The FCC has required all radios certified since 1997 to include a 12.5 kHz efficiency mode, most new equipment likely is dual mode 25/12.5 kHz that can be simple converted via software.
- Develop budget requirements and explore funding options.
- Establish a conversion and implementation schedule.

- Coordinate your conversion with neighboring agencies to facilitate continued interoperability among your agencies
- Conduct tests during conversion to ensure your system continues to provide similar coverage.
- Contact your preferred frequency coordinator for any needed license modifications

Frequently Asked Questions

Does Narrowbanding require me to implement digital equipment?

No. Licensees can operate in either analog or digital formats as long as you operate at 12.5 kHz efficiency.

Does Narrowbanding require me to change frequencies or obtain new channels?

No. Licensees migrating from 25 kHz channels to 12.5 kHz channels stay on the same channel centers. You only reduce the bandwidth of your current channel and change the emission designator on your license.

Will I receive two 12.5 kHz channels when I change from my currently licensed 25 kHz channel?

No. As noted above, you remain on the same 25 kHz channel center, not splitting the channel into two 12.5 kHz channels. If you need additional capacity, you will need to apply for additional 12.5 kHz channels to the FCC through your frequency coordinator.

Can I operate on a secondary basis if I don't narrowband my equipment by January 1, 2013?

No. The FCC will consider any radio equipment that does not meet the 12.5 kHz efficiency requirement by January 1, 2013 to be operating in violation of the FCC rules. All violations are subject to FCC enforcement action, which may include FCC admonishment, monetary fines, and loss of license.

Where can I get additional help?

For more information on Narrowbanding, please contact your Motorola Representative or visit www.motorola.com/narrowbanding.

For FCC licensing assistance, please contact your preferred frequency coordinator at:

FCC Wireless Telecommunications Bureau
http://wireless.fcc.gov/services/index.htm?job=service_home&id=industrial_business and

<http://www.fcc.gov/pshs/public-safety-spectrum/coord.html>



MOTOROLA

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Enterprise
Wireless
Alliance®

8484 Westpark Drive, Suite 630
McLean, VA 22102
Fax: 703.524.1074

122 Baltimore Street
Gettysburg, PA 17325
Fax: 717.337.9157

800.482.8282
www.EnterpriseWireless.org

January 1, 2013 - Narrowband Deadline

**All 150-512 MHz Business, Industrial, Private/Commercial Carrier and Public Safety Systems
Must Operate at 12.5 kHz or Equivalent Bandwidth Efficiency**

EWA Narrowbanding Licensing Assistance

Business/Industrial fees/call sign - \$100 license preparation, \$100 coordination, \$60 FCC

Public Safety fees/call sign - \$100 license preparation, \$25 coordination

Licensee Name: _____ Contact: _____

Phone _____ Email: _____

Call-signs _____

☐ **Add** ☐ **Change** licensed emission(s) to the following:

- | | | | | |
|--|---|---|--|--|
| <input type="checkbox"/> 11K2F3E
12.5 analog voice | <input type="checkbox"/> 11K2F1E
12.5 digital voice | <input type="checkbox"/> 11K2F1D
12.5 digital non-voice | <input type="checkbox"/> 11K2F2D
12.5 digital tone | <input type="checkbox"/> 7K60FXE
TDMA voice & data |
| <input type="checkbox"/> 7K60FXD
TDMA data | <input type="checkbox"/> 4K00F1E
6.25 digital voice | <input type="checkbox"/> 4K00F1D
6.25 digital non-voice | <input type="checkbox"/> 8K10F1E
P25 digital voice | <input type="checkbox"/> 8K10F1D
P25 digital data |

Payment Method:

☐ Check enclosed for \$ _____

☐ Please charge \$ _____ to ☐ Visa ☐ MasterCard ☐ American Express

Credit Card Number: _____ Expiration Date: _____

Cardholder Name: _____

Signature: _____ Date: _____

Fax completed form to 703-524-1074 or 717-337-9157, mail to either EWA office above or email to customerservice@enterprisewireless.org. Please use this form for Narrowband Emission changes ONLY. Any additional modification requests or missing information may require coordination services. For assistance, please call 800-886-4222. We appreciate this opportunity to be of service.

**Rappahannock EMS Council
Disaster Committee Minutes
April 5, 2011**

Call to Order: Wayne Green called the meeting to order at 13:30 hours at the Rappahannock EMS Council Training Center.

Members Present:

Robert W. Green, Culpeper County
Ann Melle, Spotsylvania County
Ray Harvey, Quantico
Emily Smith, Rappahannock Health District
Mark Bledsoe, City of Fredericksburg
Joseph Taylor, VDEM
Doug Boggs, Spotsylvania
Steve Lynd, King George County
Bruce Sterling, VDEM

Members Excused:

Dr. Raymond Bell, REMS Board Member; Kathy Hatter, Rappahannock-Rapidan Health District; Paula Shaver, American Red Cross; Tracy Turman, Fauquier Hospital.

Approval of Minutes: Motion made by Doug Boggs and seconded by Emily Smith to approve minutes of February 8, 2011.

Special Guest: Carolyn Marsh, Regional Systems Coordinator of the Rappahannock EMS Council, provided an overview process of gathering information for the Regional Surge Capacity Needs Assessment for the Region. Each EMS Manager for each locality in our regional service area was contacted for the information. A copy of the plan was emailed to each member of the Disaster Committee.

Reports:

Counties Present to Report:

Culpeper County

No Report

Chancellor Fire & EMS

Ann Melle introduced herself as replacement for Eric Lasky. She is looking forward to working with the committee.

Spotsylvania County

Doug Boggs reported that they have received several inquiries from their Board of Supervisors concerning Nuclear Reactors. The BOS was given information about emergency procedures in case of an incident.

King George County

Steve Lynd stated that King George County will hold a Haz-Mat/Sheltering Exercise on August 9, 2011. This is a no-notice event. More information forthcoming.

City of Fredericksburg

Mark Bledsoe reported that the City noticed an increase in patients from nursing homes showing signs & symptoms of Flu. Notifications were made to the Health Department.

The City is working on their Emergency Operations Plan and preparing for the Marine Corp Half Marathon. They also provided CPR and AED training to the Police Department.

Other Agencies/Organizations:

MCB Quantico

Ray Harvey provided a briefing about their Mass Casualty Exercise being held on June 9th, 2011. A table top exercise was held last month. Details of the exercise are still in progress. This exercise is being held in conjunction with the Rappahannock EMS Council to complete their requirements with the Virginia Office of Emergency Medical Services for the MCI Plan.

Chairman Mark Garnett advised that he needs two committee members to volunteer to be part of the drill that will fulfill the OEMS contract deliverable for the MCI Plan to be a part of an exercise of a component of the plan.

Emily Smith and Ray Harvey expressed interest in being involved in the exercise. This information will be forwarded to Chairman Garnett.

Area Health Districts – Health Departments

Emily Smith reported that they had several inquiries about the distribution of Iodine tablets. They will follow the guidelines of the Virginia Department of Health. Participated in Active Shooter Exercise in the City of Fredericksburg. Exercise went well.

Virginia Department of Emergency Management

Bruce Sterling commented that his replacement had been selected. Scott Hudson from Lancaster County was chosen as Bruce's replacement.

State Emergency Managers Conference will be held in Richmond near the end of March 2012.

Bruce advised that VDEM is working on Statewide Roadway Evacuation Routes.

Joe Taylor (HAZMAT) was also present with nothing to report.

New Business:

None

Next Meeting: June 7, 2011 (Tuesday) at 13:30 hours – Rappahannock EMS Council Training Center.

Rappahannock EMS Council
Regional Disaster Committee
June 7, 2011

ATTENDANCE

<u>NAME</u>	<u>ORGANIZATION</u>	<u>EMAIL</u>
MARK GARNETT	CAROLINE F/R	MGARNETT@CO.CAROLINE.VA.US
Ray Harvey	Quantico F/R	Ray.harvey@usair.mil
Eddie Allen	FREDERICKSBURG FIRE	eallen@fd.fredericksburgva.gov
Bruce Sterling	VDEM	bruce.sterling@vdem.virginia.gov
Michael Carter	STAFFORD FIRE & RESCUE	mcarter@co.stafford.virginia.us
Doug Boggs	SPOTSYLVANIA FIRE & RESCUE	dboggs@spotsylvania.va.us
Ann Melle	Chancellor VFD	ttglarm@hotmail.com
Wayne Perry	REMS COUNCIL	wperry@vaems.org

EXCUSED:

Wayne Green
Steven Lynd
Scott Hudson