

M/A-COM Reconfiguration Update

APCO 800 MHz Rebanding Symposium

June 9, 2005

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Comparison With Plan Goals

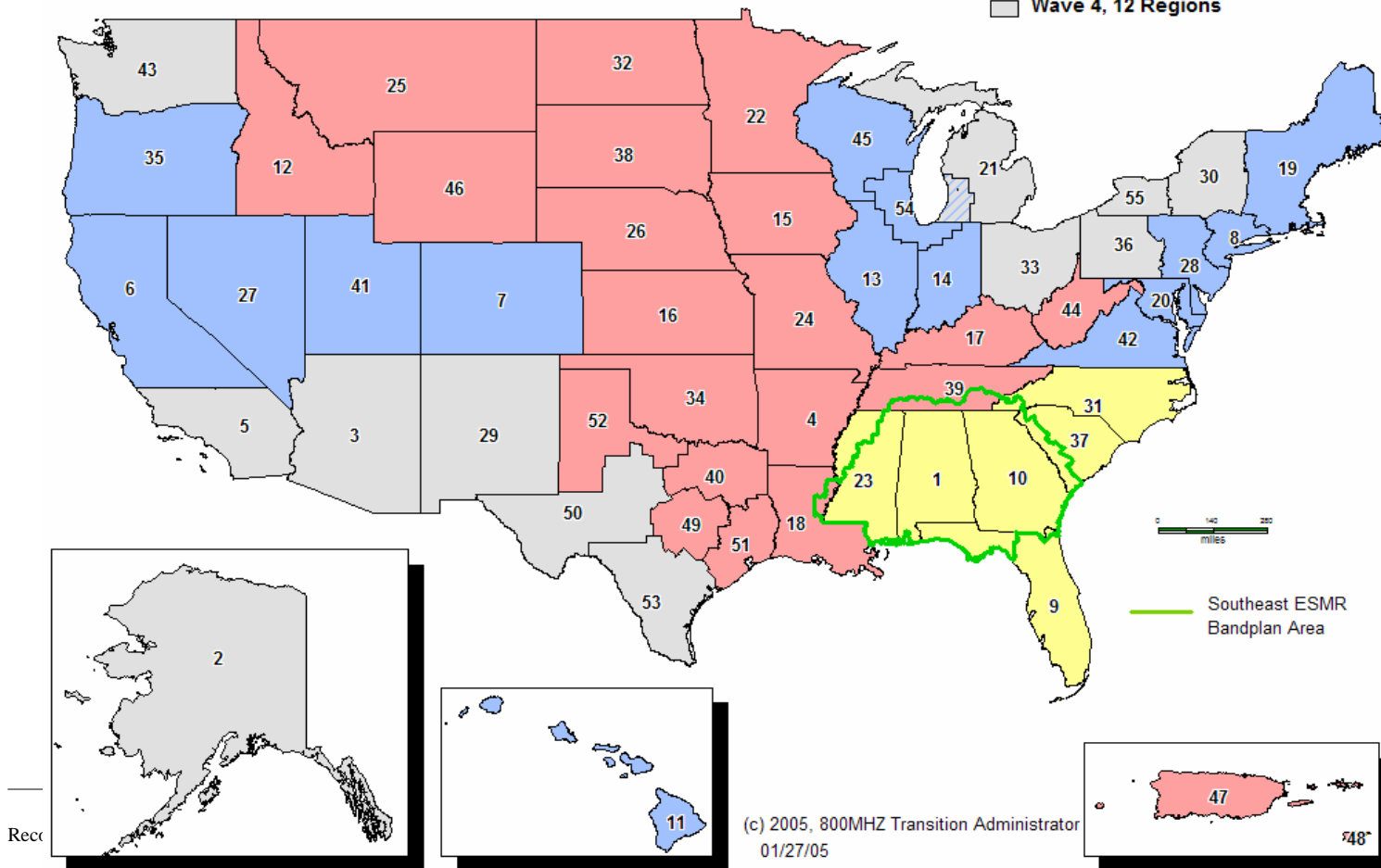
	Wave 1	Wave 2	Wave 3	Wave 4
Population Covered	38%	22%	15%	25%
Interference Complaints	55%	4%	10%	31%
Workload	31%	19%	25%	25%

Note: Starting Wave 4 depends on border treaties

Prioritization Waves

800 MHz Reconfiguration NPSPAC Public Safety Region Prioritization Map

- Wave 1, 15 Regions
- Wave 2, 22 Regions
- Wave 3, 6 Regions
- Wave 4, 12 Regions



Key Dates for Wave 1

- **Voluntary Negotiations Channels 1-120**
 - June 27, 2005
- **Mandatory Negotiations Channels 1-120**
 - October 1, 2005
- **Earliest Negotiations—NPSPAC**
 - January 1, 2006
- **Mandatory Negotiations—NPSPAC**
 - October 1, 2006
- **Planning Funding Request –75 Prior to Negotiations—April 15, 2005 for 1-120**

M/A-COM Actions

- **M/A-COM meetings**
- **M/A-COM product and systems support reviews**
- **Distribution of System Audit Form**

M/A-COM Meetings

- **Meetings with Nextel**
 - **Customer lists, we can not miss anyone**
 - *Checking key contact information*
 - *Verifying system types and complexity*
 - **Product support issues**
 - **Procedures on payment**
- **Meetings with Transition Administrator**
 - **Discussed their role in process**
 - **Procedures on payment**
 - **Product support issues**
 - **We will continue a dialog with them**

M/A-COM Product and System Support Reviews

- **M/A-COM has developed a list of products and systems which need to be replaced during rebanding**
- **List is under review with Nextel and TA**
- **List will be published after review and agreement**
- **Intention is for list to be pre-agreed**
 - **Eliminates one Nextel negotiation issue for M/A-COM customers**

Equipment Affected: Big Picture

- **No replacement necessary for:**
 - System manager terminals
 - Switch equipment
 - Dispatch equipment
- **Bases, portables, mobiles:**
 - No issues with all recent vintage equipment
- **Combiners, filters, multicouplers, duplexers, antennas: must be individually assessed**

Infrastructure Equipment

- **No replacement necessary** for:
 - System manager terminals
 - Switch equipment
 - Dispatch equipment

800 MHz Base Stations

- **Reprogrammable:**
 - **MASTRIII (EDACS and Conventional)**
 - **OpenSky Base Station**
 - **OpenSky Cell Site**

800 MHz Mobile and Portable Radio Products

- **Reprogrammable:**
 - **Current products – can be reprogrammed and also meet optional Rx “interference protection benchmarks”**
 - *P7100, P5100, M7100*
 - *LPE, Orion, M-RK*
 - *Jaguar portable, Jaguar mobile*
 - *P801, P800,*
 - *M803, M801*

Other 800 MHz Equipment

- Other RF equipment that **could require re-tuning or replacement:**
 - Transmitter (Tx) cavity combiners
 - Tx Bandpass filters
 - Receiver (Rx) multicoupler filters
 - Rx Tower Top Amplifier filters
 - Bi-directional amplifiers

The Schedule

- **Negotiations have voluntary and involuntary period**
- **Wave 1 negotiations begin June 27**
- **All systems completed in 36 months**

System Audit

- **M/A-COM Audit Form available now**
- **M/A-COM form is a guide to begin audit of system**
- **Information gathered on this form will be needed for**
 - **Developing, defining, pricing, and ultimately approving the unique reconfiguration plans**

Issues Being Addressed

- **Mutual aid channels in neighboring areas part of a different 'wave'**
 - Licensee does not have NPSPAC in system, but has mutual aid
 - Who negotiates if State holds mutual aid license?
- **Moving to a new 'RF neighborhood': is it better?**

Additional Information

- **M/A-COM Website**
 - www.macom-wireless.com
- **TA Website**
 - www.800ta.org; email to comments@800ta.org
- **Nextel Website**
 - www.nextel.com; email to 800MHZ@Nextel.com
- **FCC Website**
 - www.800MHz.gov

Additional Information

- **APCO website**
 - <http://www.apcointl.org/frequency/800hp.htm>
- **Allan Tilles, rebanding attorney**
 - www.800mhzrebanding.com
- **Questions to Mike Engelhaupt**
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 - **614-734-0105 or 614-599-9955 (mobile)**