

# Delaware 800MHz Emergency Communications System

## Next Generation



# Welcome!



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## This Meeting:

### Goals:

- Logging Recorder System
- Microwave Status
- Rebanding Update

*Date: 6-10-2008*



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## This Meeting:

### Agenda:

- Overall project status Bryant Baker
- Project funding report Mike Matthews
- Site/Project Status Bryant Baker,  
Len Dornberger,  
Gary Somma,  
Larry Artman
- Summary and Next Meeting Terry Pepper



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## Project Status

Overall – Program within budget, on time – project completion by 12/08.

- **Stage 1 schedule now shows completion Summer 08**
  - In-street coverage testing will go regardless of Hockessin-Bissell link status
  - In-building coverage testing will likely go past the end of this foliage season
- **Stage 2 completion short list:**
  - Microwave System
- **Stage 3 completion Summer 08**
  - In-building coverage underway



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## Project Status – Funding

- **Budgeted to date: \$60.5M**

Includes FY05 – FY08 Appropriations

- **Contingency: \$2.9 M**

Comprises Actual Appropriations to date less Actual Expenditures and Commitments through FY08

As of June 9, 2008



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## Project Status

### Hot Topics:

- Logging Recorders
  - Second vendor progress
- Kent County Acceptance
  - System-wide microwave issues; dish lowering proposed by Motorola, executed for Milton-SCRS
- Sussex, New Castle Counties Testing
  - In-street results for Sussex have been compiled



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# Project Status

## Woodside

- American Tower agrees to \$45K settlement (difference between \$60K tower upgrade PO and \$15K monthly lease payments)

## KentCOM

- Awaiting official word on R-56 direction

## In-Building Coverage Treatment

- RFP responses due June 18
- Select vendor presentations July 8 & 9
- Plan to have contracts in place by Sept. 1



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### Project Status

#### Logging Recorders

- NICE activities
  - “Inform” proof-of-concept at ReCom – training next week
  - System problems continue to occur
  - Meeting held with GM to address issues
  - COs for SusCom, KentCom and Rehoboth on-hold
  
- EXACOM activities
  - Motorola not partnering but OK with our initiative
  - Proof-of-concept being planned for Knotts & KentCom



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## DEMA Console and Recorder Requirements

- DSP has requested a NICE recorder at DEMA to support the Dispatch operations of DSP, DEMA, and DelDot TMC
  - This request is based on the assumption that DEMA will be established as a 911 Center with five consoles
  - We would like guidance as to whether or not to incur the costs associated with providing a recorder and five consoles based on the above assumptions
    - Cost of Recorder System for DEMA: \$391K\*
    - (Rough) Cost of Consoles for DEMA: \$85K\*\*
- \*Will be offset by a credit for DTC recorder sys @\$240K  
\*\*Already cut from contract due to lack of facilities





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# Project Status

## Hockessin

- MNI has recommended the microwave antenna to Bissel Hospital be lowered again
- Motorola and MNI continue to assess and revise microwave paths throughout the system



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# Project Status

## Coverage Testing

- To provide an opportunity to resolve and collect data on the solution for the Hockessin link:
  - NCC will start in early July, maybe
  - Sussex In-street testing is complete:
    - 3616 grids tested;
    - 99.6% passed signal strength
  - Sussex In-building testing is now underway
  - Highest risk buildings will be tested first
- Confirmation from NCC Fire Chiefs needed for critical building count



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## Project Status

### Consoles and 3.0Z Upgrade

- 3.0Z upgrade Complete
- Functionality Test is in process
- Console upgrades are Complete
- New console installation in process
- DRBA console solution to be determined tomorrow



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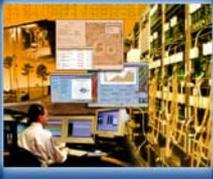


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### Project Status

## Fail-Soft – A Best Practice

- Fail-Soft test needed to test the 3.0Z Upgrade, however there is a question whether this should be done periodically:
  - Exercising the Fail-Soft system is similar to a fire drill
  - Users have resisted exercising or even using Fail-Soft in the past
  - Divcom sees exercising this fall-back of operations as necessary to maintaining an adequate communications system
  - Other jurisdictions conduct this exercise monthly
- Your views, direction?



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## Rebanding

### ■ Recent Progress:

- Template Planning / Agency-level Rebanding Records Management-
  - Subscriber Rebanding Process
    - Pre- & Post- Radio Function Checks
    - Old & New Codeplug File Archive
    - 100% Codeplug File Review of the Rebanding Frequency Table
    - ARMS DB will be the Source of Asset / Records Management for State, Motorola, and MSS's
- MOU Tracking Process via the ARMS system



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### Rebanding

#### ■ Recent Progress (cont.):

#### ■ VRS:

- Two Alternative Solutions are being evaluated:
  - Factory and Field Testing for ‘Comparable Facilities’
  - Redesign of Mobile-side Filter Assembly/New Sprint Nextel Channels for 800 MHz VRS Units + 2<sup>nd</sup> touch to Remove Current VRS Zone on VRS-related Portables
  - ‘Temporary/Permanent 700 MHz’ VRS Units (124) + Temporary 700 MHz Portables (Approx. 5,500) Units + (Potentially) Revert to Existing 800 MHz Portables
- Work-Around for Current VRS Configuration  
‘Blackout Period’: Sussex County FNS Site  
Rebanding Period (Approx. 10 Days) + VRS Unit Swap-out Period



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# Rebanding

- Recent Progress (con't):
  - Ongoing VRS Testing Calls with Sprint Nextel
  - Next Steps:
    - CO with Sprint Nextel (VRS Testing & ARMS Upgrades- Work Order & MOU
    - Generate SOD FRA Cost Estimate
    - Generate Subcontract SOW's



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## Rebanding

### Recent FCC Findings / Announcements:

- PFA Waiver Request Submitted to FCC for Planning Phase Extension (Period: 28 APR 08- 12 JUN 08)
- FRA Interim Waiver Request Submitted to FCC for 26 JUN 08 FRA Completion Date Extension (FRA Negotiations Complete: 12 AUG 08)



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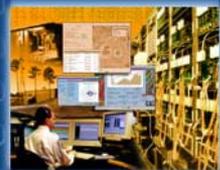
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# Rebanding Planning Phase:

<u>Task</u>	<u>Duration</u>	<u>End Date</u>
Motorola Planning Phase		
Engineering Tasks: Complete the Interop/ITAC/VRS/Cutover Planning Effort	12 Months (Goal: 5.5)	28 MAR 08 (Goal: 04 SEP 07)
SOD FRA Cost Estimation Preparation	1 Month	01 AUG 08
Complete SOD FRA Agreement Negotiations	1 Month	01 NOV 08
Complete Implementation Phase Kick-Off Meeting	1 Day	01 APR 09



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## Summary

Next Meeting : Thursday, August 7th -  
Room 112, Tatnall at 2 pm.

Thanks!



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