

# Delaware 800MHz Emergency Communications System

## Next Generation



# Welcome!



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## This Meeting:

### Goals:

- Status of Projects/Sites
- Logging Recorder System Status
- Rebanding Update

*Date: 11-29-2007*



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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 Spring 08**
  - Unable to complete acceptance testing by full foliage
  - System will be operational in “test mode”
- **Stage 2 completion short list:**
  - Microwave, MOSCAD work remains before acceptance
  - Punch list items
- **Stage 3 completion Spring 08**
  - full foliage coverage testing
  - System operational in “test mode” by end of CY



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## Project Status – Funding

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

Includes FY05 – FY08 Appropriations

- **Contingency: \$1.6 M**

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

As of November 26, 2007



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## Project Status

### Hot Topics:

- New Castle County Testing  
MOSCAD acceptance almost underway with device testing
- Logging Recorders  
Mr. Dornberger to address
- Kent County Acceptance  
Microwave link performance potential culprit identified
- Sussex County Testing  
Ring testing to commence next week despite individual link issues



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## Project Status

### Carvel

- Site is On Air in test mode as of 9/5. OK so far.
- CO-064 for Cable Trays on Carvel Rooftop to be amended due to shortened run. Not yet received.

### Christiana Towers

- Site is On Air in test mode
- No response from UD to our request to justify their landscaping plan, as yet.



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# Project Status

## North Talleyville

- Site is on-air in test-mode
- Documentation for transfer of ownership to Clear Channel is being prepared. As-builts complete, Close out book nearly so.

## DelDOT Microwave System

- No change. Still waiting for FY08 funding via DelDOT



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## Project Status

### Hockessin

- Still no outages since tower instrumented.

### DelDOT Sign Shop

- Old fiber connected into the new shelter, however the alternate path is not in use by the microwave ring traffic yet. Awaiting fiber jumpers to create service loops.
- DTI to remove the cut fiber between the sites next week to minimize confusion.



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## Project Status

### Microwave System

- Motorola revealed to us this week we are not operating per FCC license for 19 of our links
  - Potential source of interference
  - Potential fine
- Will need to issue a letter to the FCC with a corrective action plan ASAP
- Mitigation plan being developed by Motorola
- Effected links will need to be retested, however users should not see an impact due to loop configuration



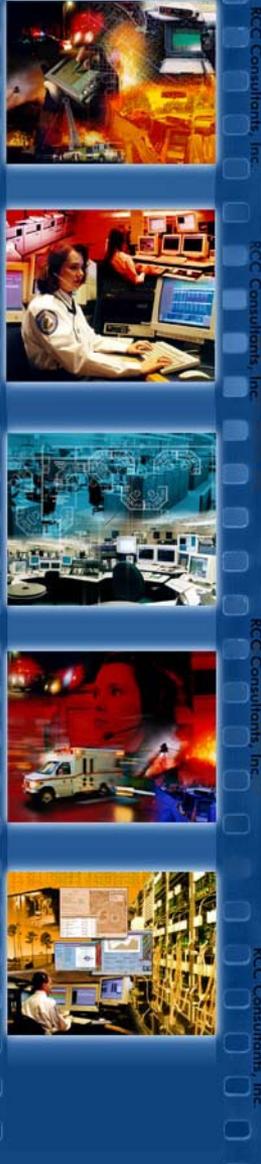


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# Project Status

## SUSCOM

- Furniture installation revised to 1/5/08
- R-56 inspection results similar to RECOM
  - Equipment room ready – earliest 1<sup>st</sup> week of Jan.
- Motorola & NICE installation dependent on “clean” equipment room
- Very best case scenario – the State will be ready mid-March (schedule needs to be coordinated with County and other vendors)
- Other
  - County requests 2 additional console positions - \$108K – looking at options
  - County requests Net Clock installation – Moto pricing





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# Project Status

## Lewes

- Waiting to receive Fire Marshall's test date

## Georgetown SBA

- Fire Marshall testing completed
- Waiting on Certificate of Occupancy

## Woodside

- Visual swaying of cellular antennas – RCC drafting letter to Crown Castle for disposition



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### Project Status

#### Logging Recorders

- State's issues are visible at high level – meeting on 11/15 with Public Safety Solutions GM and Director Sales Engineering
- Site evaluations conducted at Knotts, RECOM and Wilmington PD on 11/14 – minor software configuration issues fixed
- Unreasonable number of hardware failures – hard drives, cards, etc. – “highly unusual”
  - ANI/ALI failure at RECOM – HP motherboards replaced and under investigation with HP
  - Spare parts kit provided to speed future repair time
  - Unacceptable repair time – 8 hr. MTTR in Moto contract
- Scenario Replay when retrieving from Knotts Storage Center vs Logger – networking issue being address
- Technical training for DivComm at SUSCOM before “go live”





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# Consoles and 3.0Z Upgrade

## Descoping the 3.0Z Upgrade

- Purpose: To shift costs of a portion of the 3.0Z Upgrade to the Rebanding effort:
  - Motorola will determine which consoles require the upgrade for Rebanding.
  - Balance of upgrade will be retained in the Nextgen contract.
  - Work to be accomplished seamlessly
- Seeking Committee approval for CO-087 of \$120K credit
  - Risk – Sprint-Nextel may negotiate this out of Rebanding



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# Consoles and 3.0Z Upgrade

- CO-089
  - Delete consoles and associated hardware from contract
  - \$751k savings on hardware
  - \$17k savings on associated labor
  - Total savings \$768k



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## Rebanding

- **Recent Progress:**
  - **VRS Testing Delay-**
    - SOD to Propose Testing in the Implementation Phase (Not in 15 NOV SOW)
  - **ITAC System Planning Progress-**
    - SOD = Voted/Steered & Back-To-Back Repeater w/ Ant. System
    - Motorola Subcontractor Providing Tower Structural Analysis
  - **Interoperability Planning**
    - 27 SEP 07 Interoperability Conference- No Consensus on ITAC Approach
    - MESIN- Signed FRA / No Frequency Release Date by Sprint Nextel
    - JAN 08 TA Interop Planning Session (9IPS) Now in Planning
  - **Rebanding / NexGen Combined Plan & Timeline**
    - Motorola to Consolidate Rebanding Software Into NexGen
    - 15 NOV 07 SOW / Cutover & Fallback Plan Review Session
  - **Next Steps:**
    - Submit SOD comments / Monitor 15 NOV 07 Motorola SOW and FRA Cost Estimate for Compliance



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## Rebanding, con't.

### Recent FCC Findings / Announcements:

#### Regarding the FCC 12 SEP 07 Notice- Streamline the Rebanding Process

- SOD- PFA Extension Waiver Request Submitted on 05 OCT 07, Waiver Request of 17 DEC 07- (Timeline was based on a compliant Motorola 15 NOV 07 SOW.)
- SOD- Will Submit an Additional PFA Waiver: 15 FEB 07, Pending Motorola's FRA SOW & Cost Estimate Process



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# Rebanding Planning Phase:



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<u>Task</u>	<u>Duration</u>	<u>End Date</u>
Motorola Planning Phase Engineering Tasks: Complete the Interop/ITAC/VRS/Cutover Planning Effort	7 Months (Goal: 5.5)	15 JAN 08 (Goal: 04 SEP 07)
SOD FRA Cost Estimation Preparation	1 Month	15 FEB 08
Complete SOD FRA Agreement Negotiations	1 Month	15 MAR 08
Complete Implementation Phase Kick-Off Meeting	1 Day	15 MAY 08

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## Summary

Next Meeting : Thursday, January 10th -  
Room 112, Tatnall at 2 pm.

Thanks!



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