

# Delaware 800MHz Emergency Communications System

## Next Generation



# Welcome!



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## This Meeting:

### Goals:

- Status of Projects/Sites
- Conclusion to R-56 issue
- Committee recommendation/approvals on:
  - Change Orders
  - Sussex County project assistance

*Date: 1-11-2007*



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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 shows completion Summer 07
- Stage 2 schedule indicates completion Summer 07
- Stage 3 still into day-day slip
- “Long pole” sites:
  - Bethany
  - North Talleyville
  - Harrington
- Major Construction Events scheduled:



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## Project Status, con't.

Source: Motorola PSR 1-8-07

Middletown	Offload shelter, generator	<b>31-Jan-07</b>
North Talleyville	Stack Tower	<b>13-Feb-07</b>
Harrington	Offload shelter, generator	<b>16-Feb-07</b>
Harrington	Stack Tower	<b>21-Feb-07</b>
DOT Sign Shop	Offload shelter, generator	<b>26-Feb-07</b>
Woodside	Offload shelter, generator	<b>7-Mar-07</b>
North Talleyville	Offload, Install shelter, generator	<b>28-Mar-07</b>
UD Christiana Twrs	Offload, Install shelter, generator	<b>4-May-07</b>
Georgetown SBA	Offload, Install shelter, generator	18-May-07



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## Project Status – Funding

- **Budgeted to date: \$47.8M**

Includes FY05 – FY07 Appropriations

- **Contingency: \$3.1M**

Comprises Actual Appropriations to date less Actual Expenditures and Commitments through FY07

As of Jan 11, 2007



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## Project Status

### Middletown

- Drain reconstructed
- Tower at full height
- Voice antennas, lighting, lightning rod installed
- Shelter, genset on site, to be installed 1/16/07 weather permitting

### Carvel

- Link to Rodney had problems on 27<sup>th</sup> day of 30 day reliability test
- Motorola fix was installed 1/4/07 and 30 day test restarted



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## Project Status

### Christiana Towers

- Bypass work, Iron Hill to Bear, on hold due to much higher costs than expected.
  - Current scheduled completion separation between UD and North Talleyville ~6 weeks
  - Not worth spending the ~\$100K to bypass for such a short period of time
- Construction drawings being updated by KCI
- Pre-construction meeting with UD went well. Motorola has responded to requests for additional safety info by UD
- On track for construction start in February



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## Project Status

### North Talleyville

- Tower delivered, on site
- Tower stacking schedule dependent upon receipt of FM antenna for WJBR – mid February.
- Site available – May

### Harrington

- Building Permit issued
- CO-057 received and in review by State, RCC
  - Request Committee approval of CO at \$590,800, which is a reduction of \$16,356 from the ROM estimate by Motorola
- Current schedule – construction to begin in January, tower, shelter/genset – February
- Site available - May

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## Project Status

### Hartly

- Microwave installation complete
- Generator startup and load re-test completed this week
- UPS load test completed this week
- Site available for testing in January

### Lake Forest

- Microwave work complete

### Dover PD

- MW Optimized last month
- Hop to DSP re-test began 12/20/06
- Site available for testing in January



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## Project Status

### DelDOT Microwave System

- CO-052 still under review by project team, DelDOT personnel
- Met with DelDot and Motorola this AM for presentation of options, to include
  - Build out of Georgetown site not needed
  - Possible equipment purchases
  - All work/purchases to be invoiced by 6/1/07



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## Project Status

### DelDOT Sign Shop

- Tower Extension work completed in September
- City (Dover) has approved the MOU with the State
  - Diverse fiber run between shelter and KentCOM provided
  - Project pays for fiber
- Requesting approval from Committee on CO-015
  - 32-ft shelter required to house OC-3 plus future 800 equipment
  - Includes Generator and site improvements
  - Also needed for DelDOT OC-3 build-out
  - \$354,218.71

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## Project Status

### Bethany Beach, Williamsville

- State to revise MOU with County
- County wants a Public Information Meeting mid-late February
  - Not a hearing, similar to a DelDOT-style workshop
  - No formal path for citizen objections



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## Project Status

### Sussex County Site Requirement Concessions

County has withdrawn the following scope from the agreement:

- Use of tower space for SCADA RF antennas and SCADA microwave antennas at 5 other State 800 MHz sites.
- Redeployment of Bethany PLC equipment to Williamsville
- Turnkey purchase of SCADA equipment at Bethany and Williamsville
- Sussex will remove and dispose of the old 300 foot tower at Bethany



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## Project Status

### Sussex County Site Concessions, cont:

- Access to State shelter no longer required:
  - Sussex will provide shelter for SCADA, Fire Paging, and
  - Sussex will provide equipment pad and cabinet
- Sussex will pave the access road at Bethany.
- Bethany Fire Company work to be the responsibility of the fire company
- Sussex will modify SCADA, Fire Paging, and Fire Company licenses at Bethany, plus necessary licensing at the other 800MHz sites



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## Project Status

### Sussex County Site Requirements Still on the Table

- New 400 foot tower at Bethany including support for County's future needs.
- New 480 foot tower at Williamsville including support for County's future needs
- Purchase and install fiber optic ducts and cable between the new tower at Bethany
  - Required for reliable POTS service to shelter anyway
- Use of MW partial T1 channels at the State sites for the County's SCADA system



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## Project Status

- County to provide:
  - 30 year lease rights to 150' x 150' of ground at Bethany and Williamsville
  - MOU approval for Bethany and Williamsville.
- Costs to project
  - Prior to concessions: \$289K
  - As a result of concessions: \$45K (est.) at Bethany and Williamsville in added tower loading
- Redi-Call partnership potential est. \$400K back into the project in exchange for Bethany tower rights



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## Project Status

### SUSCOM

- Motorola provided R-56 comments in December
- Motorola proceeding with equipment ordering, design completion
- Need confirmation of schedule movement
  - Motorola still proceeding “full steam ahead”
  - Team cognizant of excess CEBs from RECOM, ensuring these will be re-used, but may not be at SUSCOM



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## Project Status

### Lewes

- Draft MOA and Lease Exhibit submitted to City
- Site Survey completed
- Motorola to proceed with NEPA/SHPO/FAA applications

### Robbins Hose Consoles

- Kick-off meeting with Dover Fire held 12/20
- Electrical meeting scheduled for 1/12

### Georgetown SBA

- Lease Exhibit completed and approved
- New structural analysis being conducted



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## Project Status

### Logging Recorders

- Geographic redundancy still under review
- Installation at Knotts begins this month

### R-56 Compliance at 911 Centers

- Motorola contract reviewed by RCC
- No provision for waivers
- No contractual or warranty implications
- Counties may proceed
- Future issues, if any, will be addressed as they arise



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## Project Status

### ReCom

- Underfloor cabling completed
- Furniture delivery slippage – no impact to schedule
- Cutover targeted for 4/16

### Woodside (Global Signal tower)

- CO-060 under review – directive to proceed issued
- Concrete for shelter and generator being poured this week
- American Towers lease dispute
  - AG's Office hopes we can split the \$75K liability
  - DAG drafting letter for Bryant's signature

### Rehoboth Rt. 1

- Loading changes received from tower owner
- New structural analysis being conducted



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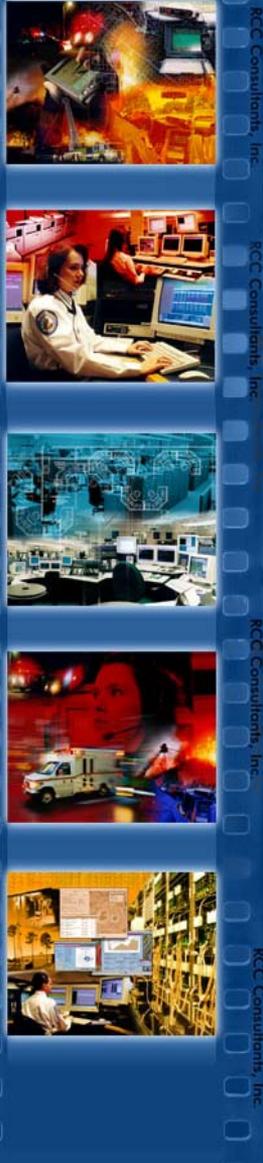


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# Project Status

## Wilmington Logging Recorders

- CO-047, \$169K - Under review by team
  - Remaining issue - Warranty pricing question
  - Must be operational before ReCom cutover mid-April
  
- Original thinking – City pays for all change orders
  
- New thinking –
  - The implementation of a state-wide logging system was the State's decision
  - Implementing the NICE Logging Recorder system at Wilmington was not the City's idea
  - Shouldn't the project cover the cost of this change order?



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## Rebanding

21 DEC 07: Completed the Planning Funding Agreement (PFA) Negotiations with Sprint Nextel

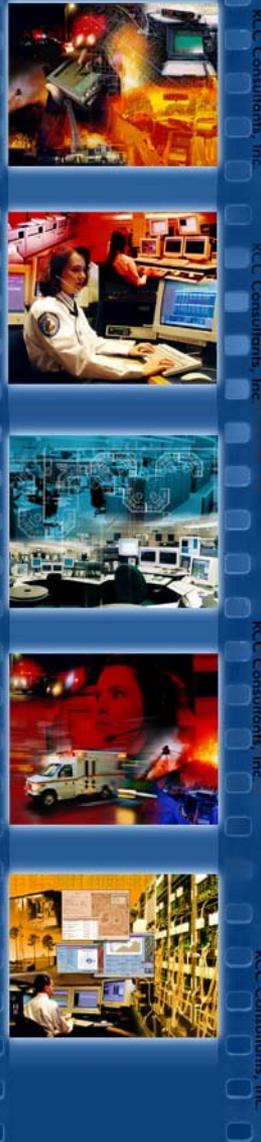
- **Contract Amount: \$975,000**
- **Goals Achieved:**
  - Cost reductions are supported by a Basis of Estimate Assumption Set in order to justify Change Orders
  - Retained Quality at reduced cost (Subscriber Read-20%, now 10%)
  - Early VRS Configuration Baseline Testing/ No Sprint Nextel challenge to VRS Licenses





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# Rebanding Planning Phase:



<u>Task</u>	<u>Duration</u>	<u>End Date</u>
Motorola Planning Phase Agreement and SOW	4 Weeks	16-Feb-07
Motorola Prep Time for Planning Phase Kick-Off Meeting	6 Weeks	30-Mar-07
Motorola Planning Phase Engineering Tasks	6 Months	28-Sep-07
SOD FRA Cost Estimation Preparation	1 Month	31-Oct-07
Complete SOD FRA Agreement Negotiations	1 Month	30-Nov-07

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## Rebanding, con't.

### Rebanding Benchmarks / Recent FCC Findings

- FCC Finding, 08 JAN 07: Public Safety Licensees contracts no longer have a Non Disclosure Agreement Clause
- Per Sprint Nextel, 60% of NPSPAC Licensees have not even entered into the PFA Process to date (14 DEC 06 was the completion deadline)
- Per the TA's Quarterly Report, 300+ NPSPAC Licensees of 426 in Wave One / Stage Two are in Mediation



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## Summary

Next Meeting: Tuesday, February 13th.  
Time/Place to be announced.  
Thank you!



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