

# Delaware 800MHz Emergency Communications System

## Next Generation



# Welcome!



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## This Meeting:

### Goals:

- Status of Projects/Sites
- Another PIM!
- Rebanding Update

*Date: 5-10-2007*

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## This Meeting:

### Agenda:

- Overall project status Bryant Baker
- Project funding report Mike Matthews,  
Len Dornberger
- 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 Fall 07 (not including in-building coverage testing)
- Stage 2 schedule indicates completion Summer 07
- Stage 3 completion Spring 08 – full foliage coverage testing
- “Long pole” sites:
  - Lewes
  - Christiana Towers
  - Sign Shop
- Major Construction Events scheduled:



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## Project Status, con't.

Source: Motorola PSR 5-7-07

Georgetown SBA	Offload, Install shelter, generator	<b>2-Aug-07</b>
Bridgeville SCRS	Stack Tower	<b>2-Aug-07</b>
UD Christiana Twrs	Offload, Install shelter, generator	<b>8-Aug-07</b>
Williamsville	Stack Tower	<b>23-Aug-07</b>
Bethany	Stack Tower	<b>27-Aug-07</b>
Lewes	Stack Tower	<b>18-Sep-07</b>
Williamsville	Offload, Install shelter, generator	<b>24-Sept-07</b>
Bethany	Offload, Install shelter, generator	<b>26-Sept-07</b>
Lewes	Offload, Install shelter, generator	<b>17-Oct-07</b>



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## Project Status – Funding

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

Includes FY05 – FY07 Appropriations

- **Contingency: \$3.2M**

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

As of May 4, 2007



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## Project Status – Contingency Projection

- Projected Budget thru FY09: \$63.2M
- Approved Expenditures: \$57.5M
- Anticipated Contingency: \$5.7M
- Current Anticipated COs: \$4.0M
- Anticipated Remaining Funds: \$1.7M



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# Project Status – Anticipated Change Orders

059 - Stage 3 MW System Redesign	403,430
061 - Lewes - new tower	750,000
062 - Stage 3 MOSCAD	150,000
063 - Christiana Towers	510,734
064 - Carvel Cable Tray	25,225
065 - N.Talleyville Site Improvement	26,020
066 - Logging Recorder Warranty Adjustment	(65,055)
067 - KentCom MUX	88,723
068 - FM200 Georgetown SBA	20,123
Microwave Reconfiguration	(80,000)
Williamsville - new tower	61,247
KentCom Logging Recorders	150,000
Georgetown SBA new shelter	19,906
Sussex County Radio Shop	389,795
SusCom Logging Recorders	150,000
Rehoboth Logging Recorders	150,000
Bethany - new tower	175,336
NCC ReCom Console Additions	568,832
NICE Logging Recorders at TMC	445,000
NICE Software at DTC	50,000
	<b>\$ 3,989,315</b>



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## Project Status

### Middletown

- 30-day reliability test complete 4/14
- Site is on the air in test mode

### Carvel

- Link between Carvel and the Rodney tower is not reliable and will be moved from Carvel to the Talley Highway DelDot yard site for link to Rodney.
- CO-064 for Cable Trays on Carvel Rooftop to be amended due to shortened run.



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## Project Status

### Christiana Towers

- Temporary Construction fence installed
- Site is staked for retaining wall and conduit
- Electrical run breakers have been agreed to by UD

### North Talleyville

- Microwave installation complete
- Site restoration underway
- Still on track for site availability for testing in May



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## Project Status

### Harrington

- Antennas and lines installed
- UPS Load Bank testing scheduled for tomorrow
- Site to be available for testing by month's end

### Hartly

- Site is on the air in test mode

### Lake Forest

- No additional work at this site



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## Project Status

### Dover PD

- Site is on the air in test mode
- 30 day test period complete

### Sussex County Radio Shop

- Site work to begin by end of June
- Tower stacking to begin 1 Aug
- Site available for testing in November

### DelDOT Microwave System

- Signed changed order received



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## Project Status

### Hockessin

- Proceeding with instrumenting the tower to quantify tower movement
- General conclusion is that the tower is moving too much for the link;
- Rohn study received; recommending slight structural improvements

### 3.0Z

- Received more detailed SOW from Motorola;
- Rebanding timing key factor on who will ultimately fund this work...



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## Project Status

### DelDOT Sign Shop

- Site work continues
- Received KentCOM Mux CO – presently researching lower-cost alternatives. Needed for zero down-time cutover.

### Bethany, Williamsville

- Building Permit Issued
- MOA between County and State to be presented to Council for approval May 15<sup>th</sup>



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## Project Status

### Stage 3 Microwave System – CO-059

- Current contract based upon assumptions of today's conditions in 2004
- Since that time:
  - Sites have changed locations
  - Path studies, and revised detailed path studies, have revealed changes in licensing, equipment, and antenna heights
  - Slight (<\$10K) impact from DelDOT plans
- Project team seeks approval from Committee for CO in the amount of \$403,429.77



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## Project Status

### Lewes

- MOA with City revised to support FD's crossband repeater and paging system
- County has deemed this a County Project
  - No zoning hearing required;
  - PIM scheduled for May 30th
- Public notice published

### Dover Fire

- Functional walk-thru conducted yesterday
- Motorola is estimating two more weeks of work to thoroughly test the install
- ATP, training and cutover expected in June



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## Project Status

### ReCom

- Equipment installation continues – NICE is onsite
- Tie-in to State network – work to begin 5/25
- 911 center installation work can begin now
- Awaiting R-56 recommendations regarding damaged cables

### Georgetown SBA

- Frequency information received from tower owner
- Rebanding team to run Intermod study



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## Project Status

### Logging Recorders

- DTI and NICE working together on tie-in to State network
- Scenario Replay retrieval of Knott's central logs will go through State network
- MW network will serve as backup to State network

### Wilmington Dispatch

- Logging Recorder pre-install walk-thru on 5/21
- Majority of NICE equipment received



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## Project Status

### Woodside

- Generator and MW equipment installed
- Building Inspections completed
- Path alignment to Milford and DOT SS to be completed today
- Stage 2 loop optimization testing to start 5/21
- ATP and cutover expected in June



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## Rebanding

- **Recent Progress:**
  - 02 May 07- WFI Completes FNE Inventory with Divcomm Database Review
  - CDCG SOW & Agreement Signed
  - Vendor Invoice Process in Place
  - Subscriber Agency Rebanding Coordinator Request
- **Next Steps-**
  - Subscriber Inventory & Read (May-June)



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# Rebanding Planning Phase:

<u>Task</u>	<u>Duration</u>	<u>End Date</u>
Motorola Planning Phase Engineering Tasks	6 Months (Goal: 5.5)	28-Sep-07 (Goal: 04 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.

Recent FCC Findings:

Replacement Radio SOP from TA-  
'Maintenance Float' Approach



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## Summary

Next Meeting: Thursday, June 14th,  
Room 112, Tatnall.  
Thank you!



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