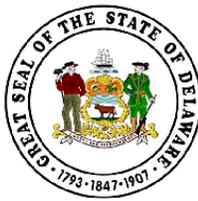


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Welcome!



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This Meeting:

Goals:

- Status of Projects/Sites
- Committee recommendations on:
 - R-56 waivers
 - Sussex County project assistance

Date: 12-7-2006



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This Meeting:

Agenda:

- Overall project status Bryant Baker
- Project funding report Eric Irving
- 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.

- Stage 1 schedule still shows completion Spring 07
- Stage 2 schedule indicates completion Summer 07
- Stage 3 now into day-day slip
- “Long pole” sites:
 - Bethany
 - Lewes
 - North Talleyville
 - Harrington
- Major Construction Events scheduled:



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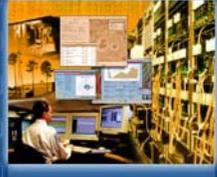


Project Status, con't.

Source: Motorola PSR 12-5-06

Middletown	Stack Tower	8-Dec-06
North Talleyville	Stack Tower	*21-Dec-06
North Talleyville	Offload, Install shelter, generator	*4-Jan-07
Middletown	Offload shelter, generator	16-Jan-07
DOT Sign Shop	Offload shelter, generator	25-Jan-07
Harrington	Offload shelter, generator	26-Jan-07
Harrington	Stack Tower	12-Feb-07
Woodside	Offload shelter, generator	1-Mar-07
UD Christiana Twrs	Offload, Install shelter, generator	4-April-07

***Slippage to February expected**



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Project Status – Funding

- Budgeted to date: \$47.7M
 - Includes \$16.7M from Bond Bill
- Contingency (cum. through FY07): \$5.6M

*As of Dec 6, 2006



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Project Status

Middletown

- Site work continues, with delays due to site conditions
- Tower foundation complete
- Tower ship date 12/8



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Project Status

DelDOT Microwave System

- CO-052 still under review by project team, DelDOT personnel
 - May need to be modified to reflect funding profile
 - Will also need to consider when Georgetown DOT site construction is funded
- DIVCOM recommends purchasing the new model radios.



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Project Status

Bethany Beach, Williamsville

- County in receipt of MOAs – have some terms to negotiate
- County wants a Public Information Meeting mid-late January
 - Not a hearing, similar to a DelDOT-style workshop
 - No formal path for citizen objections
- Williamsville Public Notice issued



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Project Status

Sussex County Site Requirements

In addition to the normal site construction scope and fixed network equipment, County is asking for:

- New 400 foot tower at Bethany guaranteed to support County's present/future needs.
- New 480 foot tower at Williamsville guaranteed to support County's present/future needs.
- 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



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Project Status

Sussex County Site Requirements, cont:

- Unescorted access requires:
 - Two-entrance shelter (Bethany) for SCADA, Fire Paging, and Bethany Fire radio/cross-band repeater, and
 - Separate equipment pad and cabinet (Williamsville) with State generator backup availability
- Remove and dispose of the old 300 foot tower at Bethany.
- Pave an access road at Bethany.



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Project Status

Sussex County Site Requirements, cont:

- Purchase and install fiber optic ducts and cable between the new tower at Bethany and if feasible to existing ducts to the County building (Bethany);
- Purchase and install two fiber modems at Bethany.
- Modify SCADA, Fire Paging, and Fire Company licenses at Bethany, plus necessary licensing at the other 800MHz sites
- Purchase and install Bethany Fire Company antennas and cables on the new tower and relocate their radios to the State split shelter.



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Project Status

Sussex County Site Requirements, cont:

- Use of MW partial T1 channels at the State sites for the County's SCADA system
- Payment of electric consumption at Williamsville.
- Free diesel at all 7 sites
- Bring in new phone service at Bethany because the lines within the Bethany compound are unreliable.



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Project Status

Sussex County Site Requirements, cont:

- In return, County provides:
 - 30 year lease rights to 150' x 150' of ground at Bethany and Williamsville
 - County may pay for electric at Bethany (State needs to provide them an estimate for the monthly bill)
 - MOU approval for Bethany and Williamsville.
- Costs to project...



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Project Status

Sussex County Site Requirements, cont:

- Site costs per Motorola ROM – just the 800MHz needs:
 - Bethany: \$175K additional CO, total site value of \$975K
 - Williamsville: \$61K additional CO, total site value of \$1.2M
- Redi-Call partnership potential est. \$400K back into the project in exchange for Bethany tower rights
- Williamsville has an alternate site (Roxana VFD), however none has been identified for Bethany.



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Project Status

Sussex County Site Requirements, cont:

- Additional est'd costs per County requirements:
 - Bethany: \$108,450
 - Williamsville: \$56,550
- 800MHz Project would save the County ~\$600K at Bethany.

Project team seeks Committee direction on whether to accept County's terms.



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Project Status

Christiana Towers

Bypass...

- Bypass work, Iron Hill to Bear, continues
- Construction drawings in review by RCC
- Pre-construction meeting with UD set for 12/21
- On track for construction start in February

Carvel

- Dish to Rodney appears to be stable
- 30-day Test Period, re-started 11/28
- Cutover for COW second week of January '07



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Project Status

North Talleyville

- Site work continues, all foundations poured
- Tower delivered this week
- Tower stacking schedule dependent upon receipt of FM antenna for WJBR – early February.
- Site available – May

Harrington

- Building Permit issuance is imminent
- CO-057 not yet received from Motorola
- Construction coordination meeting 12/8
- Current schedule – construction to begin in January, tower, shelter/genset – March
- Site available - May



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Project Status

Hartly

- Microwave installation begins this week
- Generator startup and load test completed last week
- Optimization next week
- Site available - January

Lake Forest

- Microwave work complete

Dover PD

- MNI techs troubleshooting errors on link
- T-Bar replacement, optimization next
- Hop to DSP re-test to begin 12/16/06
- Site available – end of December



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Project Status

Lewes

- Board of Public Works has given “green light”
- Site walk conducted 12/5 by Motorola, RCC and KCI
- Motorola directed to proceed with site survey, NEPA/SHPO/FAA applications
- Lease Exhibit expected next week



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Project Status

Georgetown SBA

- Site walk conducted 12/5 by Motorola, RCC and KCI
- Lease Exhibit expected next week

Logging Recorders

- Meeting held 11/29 between State, Counties, Motorola and NICE. Main topics:
 - NICE system presentation
 - Roles & responsibilities
 - Geographic redundancy of logging equipment



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Project Status

Woodside (Global Signal tower)

- Drawings passed by county Zoning Office and forwarded to Building Permit Office.
- American Tower does not accept our intent to cancel lease

RECOM

- Work is underway; Motorola laying underfloor cables this week
- R-56 Compliance Issue Review
- County waiver – committee direction





ReCom – R-56 Compliance Issues

- #1. Motorola equipment configuration requires two separate dedicated 120V AC 20A circuits at each dispatch position; one for the Elite dispatch equipment and one for the RF control station equipment. There will only be one circuit provided and the expectation is that power strips will be required to expand the circuits for the required number of AC plug-ins. The current CO does not include the cost of power strips or the labor to mount them.

Consequence: The results of not providing 2 dedicated circuits to each dispatch position is that there is a single point of failure in the AC wiring to each dispatch position. A failure that would open the breaker feeding the Motorola Elite Console would also cause the back up radio to loose power. This would defeat the intent of providing the back up radios. Utilizing power strips also increases the risk of overloading the circuits and causing a failure.





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ReCom – R-56 Compliance Issues

#2. The through-floor cable and power conveyance boxes have limited cable passage slots in the cast lids. The boxes and lids will not ensure the required 2" minimum cable type spacing required by R-56. The boxes combine AC outlets and signal cables. All vendors are expected to utilize the same boxes.

Consequence: The results of non-compliance is that if there are surges, lighting etc, coming down the RF lines this would be induced into the other wiring in the floor box. This could not only effect the Motorola Console equipment but other vendors' equipment that has cables passed through the floor box. In this configuration, cabling could also rub against each other and over time cause shorts or interference.



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ReCom – R-56 Compliance Issues

#3. The under floor cable tray system does not run all the way to the required console locations. Vendors will have to jump out of the cable trays and work out their own methods of routing and securing cables between the ends of the trays and the floor boxes. The CO does not include costs associated with this additional work.

Consequence: The lack of cable trays directly to each dispatch position will result in less than optimal spacing between the RF and control cables which could have the same effect as detailed in item 2. The unsupported cable could chafe on the heating ducts and cause future problems not only to the Motorola equipment but to other vendors as their cables will not be physically supported either.





ReCom – R-56 Compliance Issues

#4. Equipment punch block space has been cut to one third. The revised electrical plan is taking 2/3rds of the required backboard space originally designated for punch blocks.

Consequence: This will result in less than optimal spacing on the interconnect punch blocks due to the space being used for the power panels. If additional punch block mounting space is required the plywood panels can be extended upward toward the cable trays but the servicing technician will need a ladder to service.



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ReCom – R-56 Compliance Issues

#5 The equipment room has diminished expansion space due to the revised electrical plan that now has included an electrical backboard and two sets of breaker cans. This reduced the future expansion space in the radio equipment room.

- Consequence: These power panels are not for the radio equipment, so access to these panels will be needed by others than the State or County technicians. Access control to the radio equipment room will be an issue. The installation of these power panels in the radio room reduced the expansion space in the radio room. For safety reasons and NEC compliance, there needs to be 3 ft separation from the power panels to the row of equipment.

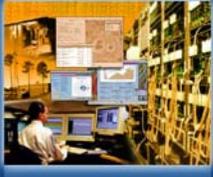




RECOM – R-56 Compliance Issues

- Action Needed
 - Project Team recommends obtaining Waiver From NCC

- Request for Committee Direction
 - Stop work until waiver is received
 - Continue work without waiver in-hand



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Project Status

Wilmington Logging Recorders

- CO-047, Under review by team
 - \$446,888 Stage 3 (\$278,224 Credit Stage 4) Net Cost \$168,664
 - Increased costs from
 - New NICE Recorder System
 - Must be online before ReCom

Robbins Hose Consoles

- CO-050, Ready for committee approval
 - \$224,937 – City of Dover
 - \$210,497 - State (to be credited back in Stage 4)
- City Council approved
- MOU signed by City



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Project Status

SUSCOM

- R-56 issues also identified
- Motorola is doing same level of design review per RECOM via provided drawings
- Comments from Moto due to the County mid-next week on the drawings they believe are applicable.



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Rebanding

Planning Funding Agreement (PFA) Negotiations with the Sprint Nextel PFA Reconfiguration Manager and the TA Mediator continue:

- The State is now in Mediation
 - TA Notification: 15 SEP 06
 - TA Goal: 14 DEC 06 agreement completion
 - 07 Dec 06 Update: Mediators will work towards a 'Mid January' completion date
- State's Responses of OCT - NOV 06 addressed all Sprint Nextel-generated questions to date- but without a substantial change in their position/mind set.



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Rebanding, con't

Sprint Nextel Counter Offer received on 03 NOV:

- **Planning Funding Needed: \$1.25M**
 - 07 DEC 06 Update: The State's 06 DEC 06 Offer: \$1.15M (a reduction of \$100,000)
- **Sprint only offering \$570K**
 - 07 DEC 06 Update: + \$35K added back into Counteroffer
- **In line with their "intent to defraud" accusation**
 - 07 Dec 06 Update: Sprint Nextel concession: Collaborative Workspace allowable, but not for trapping Serial Number-based inventory
- **No basis of estimate provided, \$42 per radio**
 - 07 DEC 06 Update: Only 20% of State-requested Funds Accepted in Counteroffer



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Rebanding, con't

- Mediator likely to “split the baby,” therefore requiring State to provide over \$300K of its own funding
 - 07 DEC 06 Update: Perceived Mediator Bias is that State must find a middle ground, regardless of the soundness of the States basis of estimate
- Inadequate planning = high risk to first responders
 - 07 Dec 06 Update: KEY ISSUE = VRS Testing in the Planning Phase (Sprint Nextel- acceptable only in Implementation Phase)
- Estimates based upon the Motorola hours plus team’s experience gained in this project and in others
- Going to FCC an option, at our own expense
 - 07 DEC 06 Update: State’s potential ‘PRM’ is reimbursable- this greatly reduces Legal Fees / FCC Finding is due out by year’s end- Go/No Go on the 100 % reimbursement for incurred costs to go FCC route



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Rebanding, con't

State will likely not benefit from Rebanding at all:

- **3.0Z Upgrade:**
 - “Heard” this may not be required to reband;
 - Enhancement Project Schedule may dictate our moving forward with this before we even get to this point in Rebanding
- **No willingness indicated yet to “horse trade” for VRS frequencies for New Castle County.**
- **No interference today = true distraction from the Enhancement project.**



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Rebanding, con't.

- **RISK (High- Likely): Anticipate no mediated resolution on at least 3 issues: anticipate need to escalate to FCC on:**
 - VRS Licenses
 - 07 DEC 06 Update: Sprint Nextel has conceded that the State's VRS Licenses are valid
 - VRS 'Comparable Facilities'
 - 07 DEC 06 Update: Sprint Nextel- testing allowable only in FRA, not in PFA, as per State's needs
 - Collaborative Workspace
 - 07 DEC 06 Update: State has work in progress on a DTI-provided Lotus Notes Platform solution at reduced cost
 - State Subscriber Inventory /Coordination Scope
 - 07 DEC 06 Update: Mediator Biased towards a Motorola-only approach





Rebanding, con't

- Mediator's Goal: Complete agreement by 14 DEC 06- Goal is no longer reasonable or achievable, due to:
 - Sprint Nextel's entrenched position / Lengthy Ad hoc TA and Mediator-specific processes)
 - 07 DEC 06 Update: Mediator on 04 DEC 06 *ex parte* call with the State signaled that he is prepared to request an extension into 'mid January'
 - 07 DEC 06 Update: Mediator on 04 DEC 06 *ex parte* call with the State cited that no PFA-only dispute has been forwarded to the FCC, and that no State-level Licensee has entered the de novo, AKA, the 'Fresh Look' Process to date



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Rebanding, con't.

Industry Benchmarking:

- Delaware's RFPF Submittal costs are on par with 'whole state' submittals of Illinois, North Carolina, South Carolina, Arkansas, and Louisiana (Delaware: \$1.25M)
- Per Sprint Nextel, 60% of NPSPAC Licensees have not even entered into the PFA Process to date (14 DEC 06 is the completion deadline)
- Per the FCC Quarterly Report, 300+ NPSPAC Licensees of 426 in Wave One / Stage Two are in Mediation



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Summary

Next Meeting: Thursday, January 11th.
Time/Place to be announced.
Thank you!



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