



State of Delaware
800 MHz Next Generation Meeting Minutes
January 26, 2005

Attendees:

- | | |
|--------------------------------|-------------------------------------|
| Baker, Bryant – DTI | McDaniel, Chip – DNREC |
| Bryson, Charles – RCC | Patterson, Greg – Governor’s Office |
| Carrow, William - DSP | Pedersen, Robert – DivComm |
| Cloud, Kim – DTI | Roberts, Dave – DHSS |
| Cubbage, James – DVFA | Seifert, Sharon – DTI |
| Dempsey, Richard – Kent County | Scoglietti, Bert – Budget Office |
| Donaldson, Gene DeIDOT | Starkey, Elayne – DTI |
| Gates, Robert – DivComm | Steele, Tom – Homeland Security |
| Hersey-Miller, Lynn – DTI | Streets, Bill – New Castle County |
| Hughes, Joe – Public Health | Thomas, Joe – Sussex County |
| Marsh, Dan – DTI | Turner, Jamie - DEMA |
| Martin, Jeff – RCC | |

Welcome – Greg Patterson

Goals:

- Project Status
- Potential Change Orders
- Introduction to Rebanding

Agenda:

- | | |
|---------------------------------------|----------------|
| ▪ Project Status | Bryant Baker |
| ▪ Change Orders Identified and Status | Bryant Baker |
| ▪ Rebanding | Charles Bryson |
| ▪ Summary and Next Meeting | Greg Patterson |

Project Status

- Overall – Stage 1 within budget, definite schedule slippage
 - Probable zoning process issues with North Talleyville site
 - Change order activity with RECOM
- Detailed Design Review (DDR) – has slipped by 2 days minimum, 3 weeks probable, primarily due to site drawings not being approved by the State
 - Issues with proposed site drawings, e.g. Laurel
 - Approvals needed also from site owners when drawings are completed, e.g. Wilmington
- Funding Expended to date: \$3.7M
 - Last reported \$3.9M in error
- Total Remaining Funding Committed FY05: \$10.3M*
- Project Contingency FY05: \$5.1M*

- Above does not include Dover PD grant work

*Does not include Wilmington Grant contracted or excess over contract

VRS Project Activities:

- Kent and Sussex frequencies determined and applied for
- Most likely source of frequencies for NCC is through Rebanding project
- Have not discussed with Wilmington the potential of channel sharing yet, however there is not enough contingency funding in this project to bring in Wilmington’s channels to NCC
- Need assistance from First Responders in getting VRS counts to place the order with the manufacturer. So far...

VRS Distribution (proposed):

VRS Locations	Sussex	Kent	New Castle
Fire Stations	30	19	34
EMS Stations	0	1	0
Paramedic Units	9	8	9
Ambulances	?	?	?
County Mobile Command Post	1	1	1
State Mobile Command Post	1	1	1
Troops	3	2	4
County/Sheriff/Municipal Police	19	12	9

Note: Ambulances Statewide, 141

- 2 per fire station, 1 per paramedic vehicle, 1 per ambulance, 2 per troop, 2 per NCC police, 1 per municipal police, 1 per command post vehicle, 3 ABC vehicles (one per County)
- Numbers of above in the State need confirmation:
[\VRS Project\VRS Locations.doc](#)
- Current distribution revised from the 200/100 qtys:
 - 396 Fixed
 - 12 Transportable
 - 10 Command
- Approval?

Comment, Bob Pedersen: the VRS’s are to supplement the tower sites, not replace the tower sites.

Discussion: The distribution will be revisited by the next meeting. The committee members will send e-mails to the above link to confirm VRS distribution.

Question, Jim Cubbage: What is the time line? Bob Pedersen: 8-10 weeks...by summer.

Comment, Jim Cubbage: I suggest that a workshop be held for the “Chiefs” to go over the distribution.

Wilmington

- Work package document presented to Wilmington last week (19th)
- Wilmington will approve the work via a project MOU with the Mayor
- Additional work desired identified; will process via change orders
- Rodney site needs review for shelter placement, and local historical society review may delay project

Additional Comment, Bryant Baker: If Mayor signs Memo of Understanding, Wilmington will fund change orders. They showed no interest in repeaters.

NCC Radio Shop -to- Odessa Link

- Most desired mitigation for site blockage is to move from Odessa to DART’s Wrangle Hill facility (at Rts 1/72/7/13)
- Moving will reduce change costs:
 - Odessa microwave site equipment needed just gets moved to Wrangle Hill;
 - Planned height of tower will eliminate need for NCC Radio Shop new tower or extension
- Working with DART for best site location
- Alternate lease sites identified, however there appears to be partial link blockage to NCCRS with these sites

North Talleyville

- Although replacement tower, may require extended land use board reviews – may need local First Responder support with this process
- Path to Claymont capable of OC12, will assist DelDOT in closing Rt. 4 fiber path
- WJBR has requested the State to carry the costs for antenna relocation. Hot cutover may be prohibitively expensive

Hockessin

- Negotiating with Conectiv on lease agreement. Sticking point is indemnification – may still be able to delete

Iron Hill

- Spectrasite transition to Cingular complete
- 10 years remaining on lease, checking with landowner to see if she will be willing to transmute lease to State for extended time

Knotts Site

- Larger microwave dishes may be needed for Wrangle Hill link
- Preliminary tower loading still OK with larger dishes

Winterthur

- Tower owner replacing tower at end of 2005
- Meeting scheduled with tower owner and all carriers early Feb for more definition

RECOM

- Site design with shelter complete
- Change order activity complete (more later).

Kent Sites

- Milford (Stage 1)
 - Water tower eliminated due to tower height;
 - Working with Carlisle to determine siting of a new tower
- Dover (Stage 2)
 - Dover PD WMD grant moves console and CEB installation up to this stage (Stage 1)
 - Dover contemplating signing separate contract with Motorola for this work

Sussex Sites

- Laurel
 - DeIDOT has agreed to siting on their property
 - Tower location and site plots complete, ready for review by team
 - Change order – more later
- SUSCOM – Change order activity – new facility
 - Previously reported APPROXIMATE cost of \$2.5M (FY07), of which \$1.5M is move-up from FY08
 - Motorola significantly refined ROM cost estimates this past week – more later

Change Orders

- Financial picture:

<u>FY05</u>		<u>FY06</u>	
\$13,880,488.00	Total committed	\$15,409,488.00	Total committed
<u>(3,584,000.00)</u>	Less paid		Less paid
\$10,296,488.00	Remaining commtd.	<u>\$15,409,488.00</u>	Remaining commtd.
\$12,000,000.00	Budget	\$19,000,000.00	Budget
<u>3,400,000.00</u>	VRS Grant		Other Income Sources
\$15,400,000.00	Total Available	<u>\$19,000,000.00</u>	Total Available
\$ 5,103,512.00	Contingency FY05	\$ 3,509,512.00	Contingency FY06

- Change Orders submitted, scheduled for approval:

CO-001	MW Path Survey RECOM to Talley	\$ 5,611
CO-002	NCC Zoning Land Surveys	\$29,625
CO-003	NCC Zoning Foundation Surveys	\$14,400

- CO 004 (NCC Zoning Apps for existing sites, \$48,600) will be challenged
- CO 005 (RECOM new shelter, \$390,409) requires NG Committee approval
- Budgetary significant change orders remaining are as follows:

CO-006	Reduce 12 Shelters 12 X 32 > 12 X 24	\$(262,876)
CO-008	Eliminate Ice Shields on MW dishes	\$(150,417)
CO-014	New 12 X 24 shelter at Sign Shop site	\$ 330,606
CO-017	DeIDOT Laurel site	\$1,453,440

- Other expected change orders (Budgetary):
 - RECOM: \$1,963,049
 - SUSCOM: \$1,097,140
- Change orders identified but not yet priced:
 - Larger microwave MUX for OC-12
 - Microwave links for Milford, Laurel
 - Wrangle Hill
- Potential credits:
 - NCC Radio Shop Tower enhance or no action
 - Winterthur
- What does this all mean?

\$5,103,512	Contingency FY05
<u>(1,228,616)</u>	CO value identified
3,874,896	Total contingency remaining for rollover to FY06
\$3,590,512	Contingency FY06
<u>(3,742,432)</u>	CO Values identified
3,772,976	Cumulative contingency to date, assuming \$19 M is approved
- Committee decision required today for:
 - RECOM's new shelter (CO-05)

Bob Pedersen recommended the approval. Joe Thomas made a motion to approve CO-05. Dave Roberts seconded the motion. Motion passed.

- Committee decisions required in future for all future major change orders.

Rebanding (in a nutshell)

Why Is The FCC Requiring The 800 MHz Rebanding?

- To provide public safety agencies with interference-free spectrum
 - Reduction of interference from interleaved “cellular” like system to public safety
- To provide additional spectrum to public safety agencies
 - Conceptually, rebanding will create additional public safety channels

What Is The 800 MHz Rebanding All About?

- Mandatory shifting to lower frequencies of all 800 MHz channels used today by Delaware
- The retuning or replacement of all State radio systems and subscriber units to utilize the new channel allocations
- The payment by Nextel of costs for rebanding

Licensees (Delaware) Must Know Their Rights

- The right to “comparable facilities”
- The right to “continuity of service”
- The right to avoid any more than a “minimal disruption” of the operations of a radio system as a result of the re-banding process
- The right to a “redundant system” where re-banding would entail a significant disruption of service
- The right to be reimbursed for the reasonable costs of re-banding

Are There Risks To Licensees In Rebanding?

- Radio systems with degraded coverage and increased interference
- Experience significant radio system down time
- State may incur unreimbursed expenses and could hold unusable equipment
- State could receive an unsuitable frequency allocation

How to Avoid Rebanding Risks

The State should protect its interests by:

- Assigning resources to administer the process
- Seeking help from its consultant to develop a strategy, analyze technical details and to assist in negotiations
- Develop a solid system baseline against which to test post-rebanding facilities for comparability
- Developing comprehensive back-up and cutover plans
- Carefully review the frequency allocation plan; and
- Develop and document cost estimates

Does the State need to change course?

- No, the current system is being expanded, not upgraded
- Expanded systems require more components to be rebanded
- FCC has identified a requirement for over \$2.5 billion for rebanding expenses
- Rebanding reimbursements potentially permit the State to use these funds to support some portion of future upgrade expenses

Action Items

- Committee – identify who in State Government not present at this meeting should be notified of the potential risks of Rebanding
- Project Team – Generate a Scope Statement (a Rebanding Plan) as a basis to prepare cost estimates

Question, Bill Cabbage: What is the time-table? Charles Bryson: 3 years, Feb 6, 2008

Question: Dave Roberts: Are there advantages to being in the forefront? Jeff Martin: Nextel has set aside a certain amount for funding. There is a better chance of expenses being reimbursed if needs are addressed early before funding runs out.

Gene Donaldson questioned where the “upfront” funding would come from. Elayne Starkey said that DTI is not in a position to cash flow the changes. Jeff Martin: RCC is putting together a scope to work on funding.

Next Meeting: Wednesday, February 23, 1:00 p.m., Tatnall.