



networkMaryland™ Advisory Group  
October, 2012  
45 Calvert Street  
Annapolis, Maryland



## Attendees:

### Advisory Group

Paul Thorn  
Derek Wheeler  
Michael Springfield  
John Gallagher  
Chuck Bristow  
John Gallagher  
Mike Walsh  
Dean Zarriello  
Norwin Malmberg

### Guest

Brent Pulsipher  
Paul Lennon  
David Parsha  
Ron Ward  
Art Ray  
Robert Bowman  
Greg Talley  
Mike Farrell

### DoIT

Greg Urban  
Cheryl Lincoln  
Gary Moulton  
Jean Boyer

### • **Welcome & Introductions**

- Greg Urban called the meeting to order.

### • **Introductions**

- Gregory Urban – Deputy State CIO
- Introduction of the networkMaryland™ team
- Introduction of guests/visitors

### • **New Business**

- Pricing for Fiscal Year 2013
  - Full pricing for Fiscal Year 2013 has been published and is on the website. These prices include EVPL pricing.
  - L2 circuit costs have gone down.
  - All prices are retroactive back to the beginning of the fiscal year.
  - VPRN rates are not on the new rates. We are working on realigning the new model for VPRN.
  - Billing occurs twice a year in December and June.
  - *Greg suggested he may have Dave Mangrum, DoIT Fiscal Services, join the next AG Meeting to describe the new pricing model.*
  - *Greg indicated that although we are over-budget, we still under-billed for circuits and stayed under appropriations.*
- Provisioning
  - Anne Arundel County Department of Public Works has become a customer. They have requested service at the water facility.
  - Provisioning is more deterministic now and we have resources dedicated to provisioning. Scheduling for provisioning is much more organized with more resources available, which has increased the number of requests moving through the queue in a week.

- The overall time to service delivery has decreased.
- Frame Relay is still being decommissioned and we expect it will be an ongoing process through the rest of the year.
- *Mike Walsh noted that the number of Layer 2 circuits has decreased. Greg confirmed that it is the result of customers moving to VPRN Services in lieu of Layer 2 architectures,*
- *Ron Ward asked if networkMaryland is working with the Counties to get them onto SwGI. Greg affirmed that networkMaryland is working on this endeavor via the OMBN Project.*
- **State of the Network**
  - SLA Reports
    - A few issues occurred at College Park the first week of October. The HVAC system and a relatively new rectifier failed. Several modules failed within the same day. We worked closely with Maryland.Gov to get them back on line.
    - A service disruption at 6 St. Paul on October 15<sup>th</sup> was attributed to a failed transceiver. Analysis is still in process.
- **Status of Projects**
  - One Maryland Broadband Network (OMBN)
    - More work has been required for this project than Greg originally thought, not from the perspective of the overall project but regarding the networkMaryland piece.
    - There has been a lot work to do regarding splicing and terminating the fiber. Except for Allegany County, fiber work is proceeding in all counties that are part of the OMBN.
    - We have also done work in Anne Arundel County although it is part of the ICBN and not the OMBN.
    - Work has been completed in Calvert, Caroline, Charles and Talbot Counties. This includes 54 CAIs. They have been completed with fiber terminated, and spliced from end-to-end.
    - We have spliced the fiber in accordance with how the counties have requested it to be spliced. 200 CAIs are done but not spliced. 100 CAIs are targeted for this quarter.
    - All address information for the OMBN will be put into OSPinsight, which is used to track all our fiber connections.
    - We have also been working on the backbone upgrade to 10Gbps and the ISP upgrade to 10Gbps. The aggregate will be 10Gbps. As the links are turned up to 10Gbps, this will eliminate the microwave shots for redundancy.
  - Equinix
    - networkMaryland is pursuing a presence at Equinix for the purpose of connecting to the ISP peering fabric to connect to Google. We are still working on getting space.
  - NCRnet
    - We established a connection to UMCP for the delivery of CHART video to NCR participants.
  - SwGI
    - networkMaryland plans to convert SwGI to a “Trusted Network.” We felt this was necessary since some people have been reluctant to use SwGI, such as the Radio System Network.

- The security team is defining a policy and plan for making SwGI a trusted network.
- Security Policy for a centralized firewall should be drafted by the end of next quarter. A project to evaluate hardware is underway.
- *Chuck Bristow asked if we would break the state up into regions similar to what is being done with the 700MHz project. Greg said no, but in the end, we should be able to do it faster.*
- *Art Ray said should look at the FBI security standards used by DPSCS. Greg was in agreement with this so Art will get Troy of DPSCS and Ron Witkowski of DoIt in contact with one another.*
- OMBN will be the new intranet and it will use public IP address space.
- *Chuck Bristow recommended vetting the policies and planning of the trusted network through the Public Safety High Availability Group. Greg agreed.*
- **Multi-service Centers**
  - The MSC site at 100 W. Patrick Street in Frederick is almost complete. Frederick County has been working well with us on these fiber connections.
  - The MSC site at 14735 Main Street in Upper Marlboro is now connected via Verizon TLS.
  - There are some individual customer sites that are also pending fiber connectivity such as Easton MVA, Waldorf MVA and the Maryland School for the Deaf.
  - Please note that even if someone mentions that fiber has been brought into a site, it might be quite a while before we can provide service because the fiber needs to be spliced through to the other end and connected back into our network and accomplishing this can be time-consuming.
  - *Norwin Malmberg asked about the status of the LTS (Local Telecommunications Services) contract. He believes that it expires in 2013. Greg said that the base contract expires in September of 2013 but he believes that options exist for 1 year renewals. He will look into this. Norwin said that he would suggest for the contract to include, in the future, TLS as well as EVPL because he uses TLS but networkMaryland uses EVPL.*
  - *Ron Ward mentioned Verizon's Private IP service and wants this service included in the contract as well.*
- **Other Business**
  - *Chuck Bristow mentioned that the Advisory Group Charter should be reviewed regarding the Bi-Laws Committee and the Tech Committee and that the Hi-Availability Committee should be included as part of the Charter. He wants a current copy distributed so that the Board can review it.*
- **Closing Questions or Comments**
- **Meeting adjourned**