



networkMaryland™ Advisory Group
April, 2013
45 Calvert Street
Annapolis, Maryland



Attendees:

Advisory Group

Paul Thorn
Mike Walsh
Michael Springfield
John Gallagher
Ron Ward (Proxy)
Derek Wheeler
Dean Zarriello
Norwin Malmberg

Guest

Brent Pulsipher
Paul Lennon
Art Ray
Leigh Fields
Greg Talley
Lakisha Pingshaw
Jayson Loveless
Brenda Cazac

DoIT

Greg Urban
Dave Mangrum
Jean Boyer
Gary Moulton

• Welcome & Introductions

- Greg Urban called the meeting to order.

• Introductions

- Gregory Urban – Deputy State CIO
- Introduction of the networkMaryland™ team
- Introduction of guests/visitors
- Quorum established – January Meeting Minutes Approved.

• New Business

- High Availability Working Group
 - Norwin suggested this group fill the role of Engineering Committee for the Program, with his attendance service to cross pollinate information between MDREN and networkMaryland..
 - Quality of Service is currently a high priority topic with the group, as well as Alternative Last Mile solutions.

• State of the Network

- Provisioning
 - networkMaryland has seen a significant rise in Decommission requests as fiber has become available, and as a result of work to consolidate Agency offices in the same locations to aggregate WAN connections.
 - Provisioning is now moving more quickly with weekly schedules being created by the Provisioning Engineers.
 - The Pending Order queue is now much smaller, but a queue remains due to issues outside of networkMarylands control.
 - Norwin – Requested “time to completion” statistics. Greg – Reported that the data is being collected, but the sample was too small at this time to report on. They should be available for the July meeting.
- SLA Review

- Verizon encountered a critical issue with one of their OCs. As a result they were forced to redesign the circuit, but it took them four attempts to get the new circuit in place.
- Router reboots has caused several issue in this reporting period, but were resolved with manufacturer recommended code upgrades.
- In March three Severity 1 outages were logged. They were all due to Subscriber Colocation equipment failures. No networkMaryland equipment experienced any failures.
- Norwin – Asked about getting rid of ATM in the infrastructure. Greg – We are still collecting data in existing ATM circuits and should have more information in July regarding what is left in the network. Greg anticipates that as OMBN moves forward to completion, we should see many more ATM connections decommissioned.

- **Status of Projects**

- One Maryland Broadband Network (OMBN)
 - August 31, 2013 is the completion date of the Project. Progress has been very good and a number of CAIs have been connected already. “Connected” is defined as spliced to the service point.
 - Splicing is an issue presently as it has become a bottleneck. It has been more complex than anticipated. Splicing crews are spread among Counties, DoIT and the Radio System presently.
 - A 96 count pull had to be re-spliced as it had been initially spliced to the wrong point.
 - All of the major tasks have been completed, leaving splicing as the main activity now.
 - Just over 60 CAIs have been added to the Project, increasing the list from the start of the Project.
 - 34 of 35 site surveys had been completed.
- Backbone
 - The Southern Ring is close to completion.
 - Oxon Hill to LaPlata has been completed.
 - Next week all 10Gbps links will be in except for one.
 - Western Maryland is close to completion.
- Equinix
 - networkMaryland is establishing a presence at Equinix in Ashburn, VA tp peer with other ISPs and Content Provider networks.
 - Everything is in place save for the backhaul. networkMaryland will seek a connection through McLean first, adding a connection to College Park later.
- SwGI
 - networkMaryland plans to develop SwGI as a “Trusted” network.
 - “Trusted” should not be taken to mean “Secure”.
 - We will know all the connected parties based on IP addresses, and only we will see the information sent by the agencies.
 - Firewalls will still be needed by the Agencies, but VPN and Encryption mechanisms will no longer be needed.
- QoS
 - QoS will only be available on Layer 3 services, such as VPRN.
 - The White Paper has been developed to encompass video, voice and data; and potentially other queues.

- This will be run as a pilot on the Eastern Shore in support of a current project that is entering beta testing.
- **Circuit Reconciliation**
 - There is a push to remove all FRASI circuits before the current Hi-Cap contract ends.
 - Presently we are focusing on the Eastern Shore, with 30 circuits left to decommission.
 - Review and preparation of decommissions in the other regional PoPs is being worked presently.
 - 80 circuits have been identified in Hagerstown as unused thus far.
 - The re-compete for the Hi-Cap contract will not include FRASI. It will include T1s, which will give opportunity for CLECs to bid as well.
- **Multi-Service Centers and On-Net Locations**
 - 100 W. Patrick Street in Frederick, 14735 Main Street in Upper Marlboro, 7500 Ritchie Highway in Glen Burnie and 6852 4th Street in Sykesville have been identified and work is under way to connect them as On-Net.
 - We will add more sites to the list as they are identified.
 - MEMA, Maryland School for the Deaf, Maryland Healthcare Exchange and 3 DHMH locations are being built out as new On-Net locations presently.
- **Closing Questions or Comments**
- **Meeting adjourned**