

Statewide High Speed Network

networkMaryland Advisory
Group Meeting

September 19, 2006

Annapolis, Maryland





MEETING AGENDA



- Welcome & Introductions
- State of the Network
- Status of Project
- Other Business



Welcome



- Introductions
- Gregory Urban – Director
- Ellis Kitchen – State CIO
- Meeting Minutes Approval



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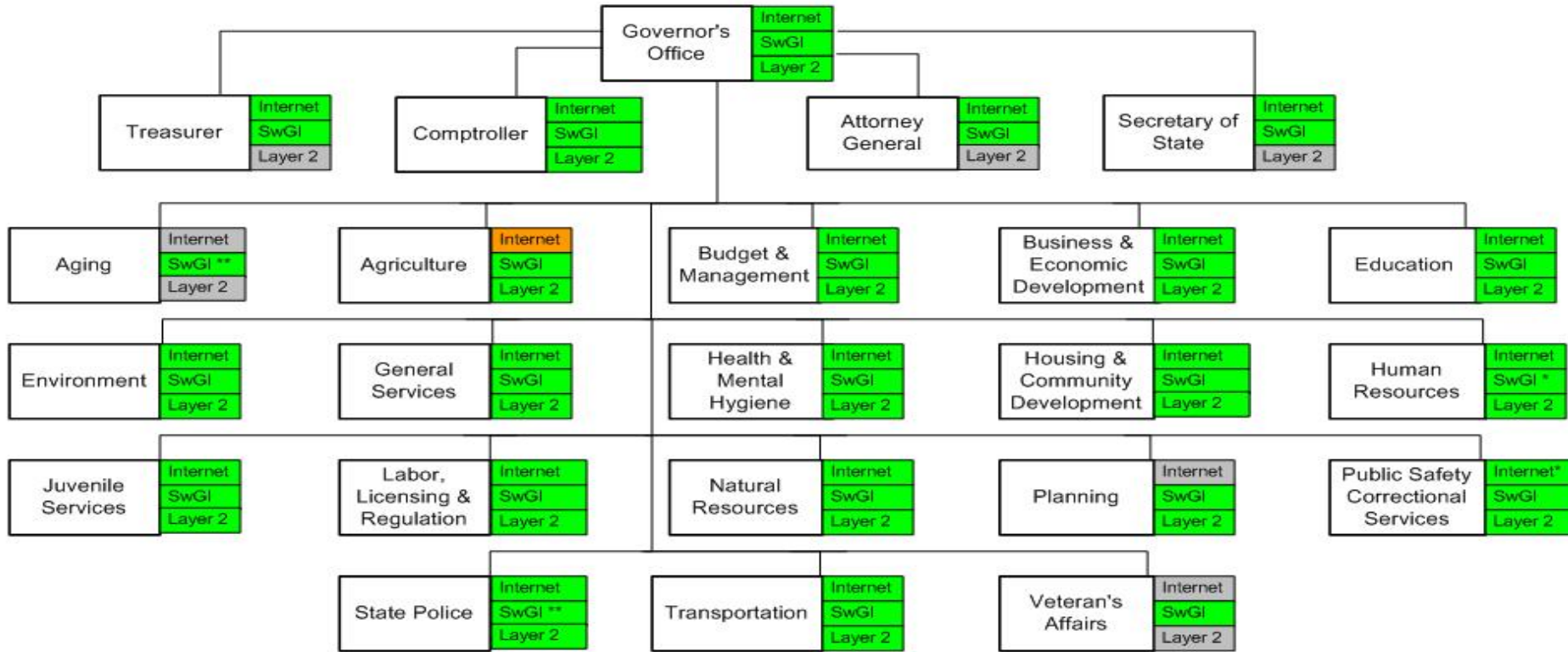


Operational Customers

- 67 Subscribers today
- Circuit Breakdown
 - 71 ISP Circuits
 - 77 SwGI Circuits
 - 968 Layer 2 Circuits
 - 12 VPN Connections



Executive Branch networkMaryland Subscribers as of September 15, 2006



Legend:

- Agency is Not Receiving networkMaryland Service - A Cost Savings exists if networkMaryland provides service
- Agency Expressed Interest in Receiving networkMaryland Service
- Agency is in Process of Receiving networkMaryland Service (JCR submitted)
- Agency is Receiving networkMaryland Service
- Size of Agency is small and does not realize a significant cost savings by connecting to networkMaryland or the service is not required

* - Denotes a change from the last Advisory Group Meeting Presentation
 * networkMaryland Provisioning has been completed, Department is in process of migrating to service
 ** Agency is receiving networkMaryland service through parent, primary agency

Non-Executive Branch networkMaryland Subscribers as of September 15, 2006

Charles County Government	Internet SwGI Layer 2	Office of People's Council	Internet SwGI Layer 2	State Lottery	Internet SwGI Layer 2	University System of Maryland	Internet SwGI Layer 2	Frederick County Government	Internet SwGI Layer 2
State Board of Elections	Internet * SwGI * Layer 2	Maryland State Archives	Internet * SwGI Layer 2	Department of Assessment and Taxation	Internet SwGI Layer 2	MIEMMS	Internet SwGI Layer 2	Montgomery County Government	Internet SwGI Layer 2
Commission of Human Relations	Internet SwGI Layer 2	Office for Children	Internet SwGI Layer 2	Office of Public Defender	Internet SwGI * Layer 2	Office of Legislative Auditors	Internet SwGI Layer 2	Prince Georges County Government	Internet SwGI Layer 2
Workers' Compensation Commission	Internet SwGI * Layer 2	State Retirement Agency	Internet SwGI Layer 2	Judiciary	Internet SwGI Layer 2	Alleghany County Board of Education	Internet SwGI Layer 2	Dept. of Rehabilitative Services	Internet ** SwGI** Layer 2
MD Higher Education Commission	Internet SwGI Layer 2	College Savings Plans of Maryland	Internet SwGI Layer 2	Maryland State Retirement Plan	Internet SwGI Layer 2	Maryland Emergency Management Agency	Internet * SwGI Layer 2	Maryland School for the Deaf	Internet SwGI Layer 2
Public Service Commission	Internet SwGI Layer 2	Baltimore City	Internet SwGI Layer 2	MD Insurance Administration	Internet SwGI * Layer 2	MD General Assembly	Internet SwGI Layer 2	College of Southern MD	Internet SwGI Layer 2
Legend:		CAPWIN		Internet SwGI Layer 2	Anne Arundel County Government		Internet SwGI * Layer 2	Howard County Government	Internet SwGI Layer 2
Agency Expressed Interest in Receiving networkMaryland Service		Carroll County Gov't		Internet SwGI Layer 2	Office of Admin Hearings		Internet SwGI Layer 2	MD Auto Insurance Fund	Internet SwGI Layer 2
Agency is in Process of Receiving networkMaryland Service (JCR submitted)					MD Stadium Authority		Internet SwGI Layer 2	MD Public TV (MPT)	Internet SwGI Layer 2
Agency is Receiving networkMaryland Service									
Size of Agency is small and does not realize a significant cost savings by connecting to networkMaryland or the service is not required									

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Operations

Milestones\New Business

- Legacy FMIS migration continues
 - Only 4 remaining customers
 - VPN Concentrator
 - LAN-to-LAN tunnels – 8 agencies connected!
 - VPN clients – 4 agencies operating today!
 - Many Intra-LATA T-1's submitted to VZ for DISCONNECTION! (only 8 remaining circuits left!)
 - Challenges:
 - Remaining Agencies waiting for equipment to arrive
 - Requesting integration assistance\expertise
- New SMTP Mail appliance arrived and in process of configuration
- Baltimore ISP RFP has been awarded to Qwest
 - Bandwidth: 100 Mbps upgradeable to 1000 Mbps



Upcoming Tasks



- Customers on the Horizon
 - Carroll County Gov't – ISP & SwGI (pending MOU)
 - Baltimore County Gov't – pending MOU completion with MDOT
 - SAILOR Ethernet hand-off @ Elkton
 - St. Mary's County – ISP & SwGI (pending MOU)
 - Garrett County (once the PoP is established)
 - Caroline County – waiting on Splice enclosures to be installed in Denton
 - VoIP trial with MSP (Northeast to Easton)
 - Router is in place and ready to deliver services
 - Coordinating interface details with MSP



Circuit Provisioning and Acceptance

- 251 circuits are currently in the customer's testing/implementation phase
- 29 new circuits have been provisioned since the last meeting
- 29 circuits have been accepted by the customer since the last meeting



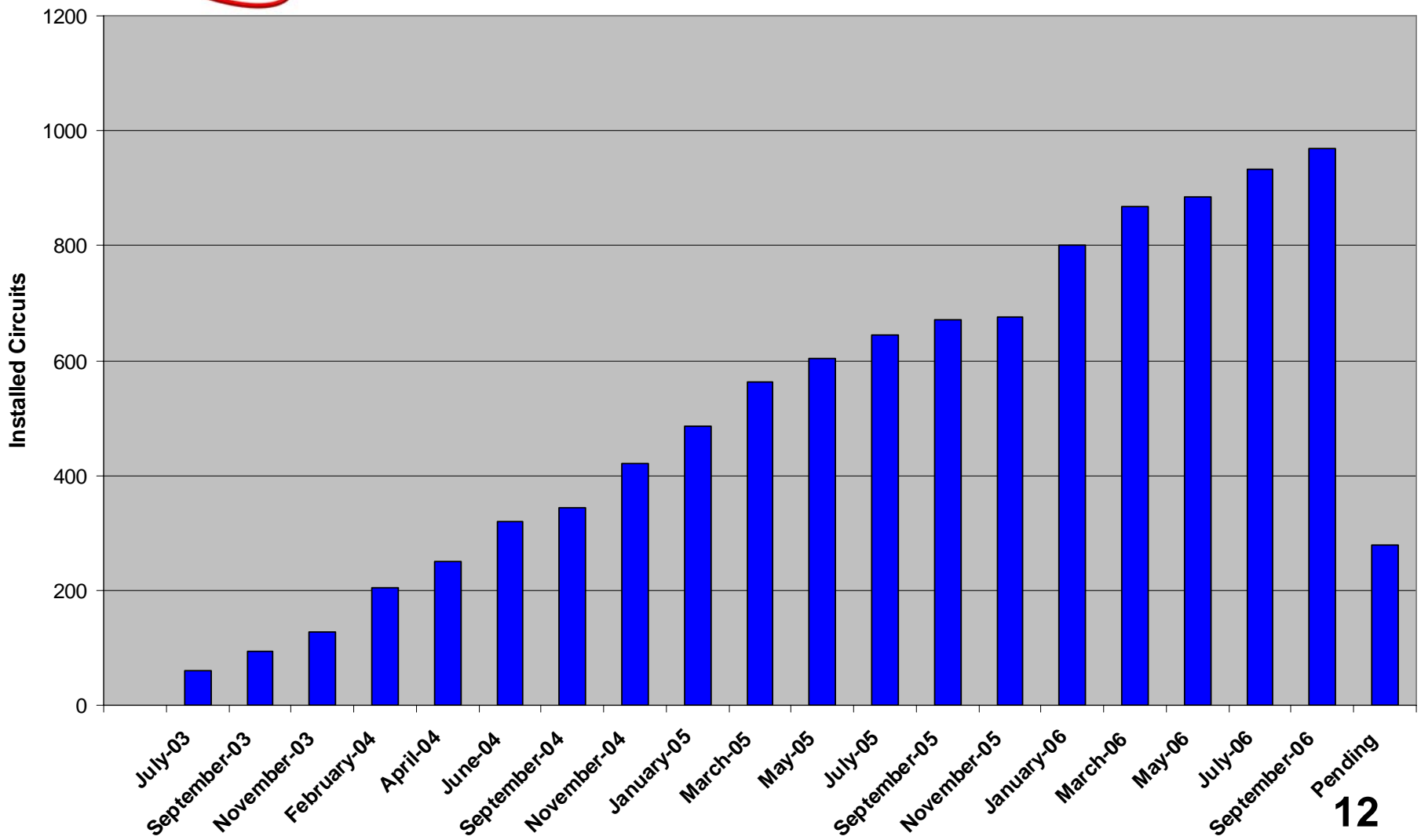
Network Operational Status



- Growth Chart



networkMaryland Installed Circuit Chart





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Project Status



- Prince Frederick PoP:
 - Completed & Accepted
- Ellicott City MSC PoP:
 - Completed & Accepted as of September 14th
- Elkton MSC PoP:
 - Completed & Operational as of September 8th
 - Acceptance expected by September 30th



Project Status



- **Garrett County MSC PoP completed!**
 - Completed & Operational as of September 14th
 - Working with the County for ISP & SwGI services
- **Leonardtown MSC:**
 - Equipment installed and configured
 - Waiting on Verizon leased circuit.
 - Anticipate completion by Sept. 30



Project Status



- JIS Data Center
 - Project Management Plan completed. Anticipated completion December 2006
 - AA County will get their nwMD services from this PoP
- Stabilizing the Core - Annapolis spur
 - Fiber Path for Segment 2 (Rowe Blvd. to the General Services Bldg.) was completed
 - Alternate path was utilized as workaround for damaged conduit
 - Fiber still needs to be terminated in DGS building



Project Status



- DWDM Ring (Partnership with USM, MDOT)
 - All fiber construction has been completed!
 - Final splicing will be completed this week (9/18 – 9/22) After splicing, testing will complete the task
 - Equipment installation & configuration has already started
- Future POP & Fiber Builds
 - Elkton SONET Node: Located on the Level3 fiber route next to the Elkton Library (Sailor partnership)
 - Elkton MSC POP: Fiber build from SONET node to MSC
 - Towson POP: Baltimore County will build fiber route to County Data Center, nwMD will install POP (pending MOU)



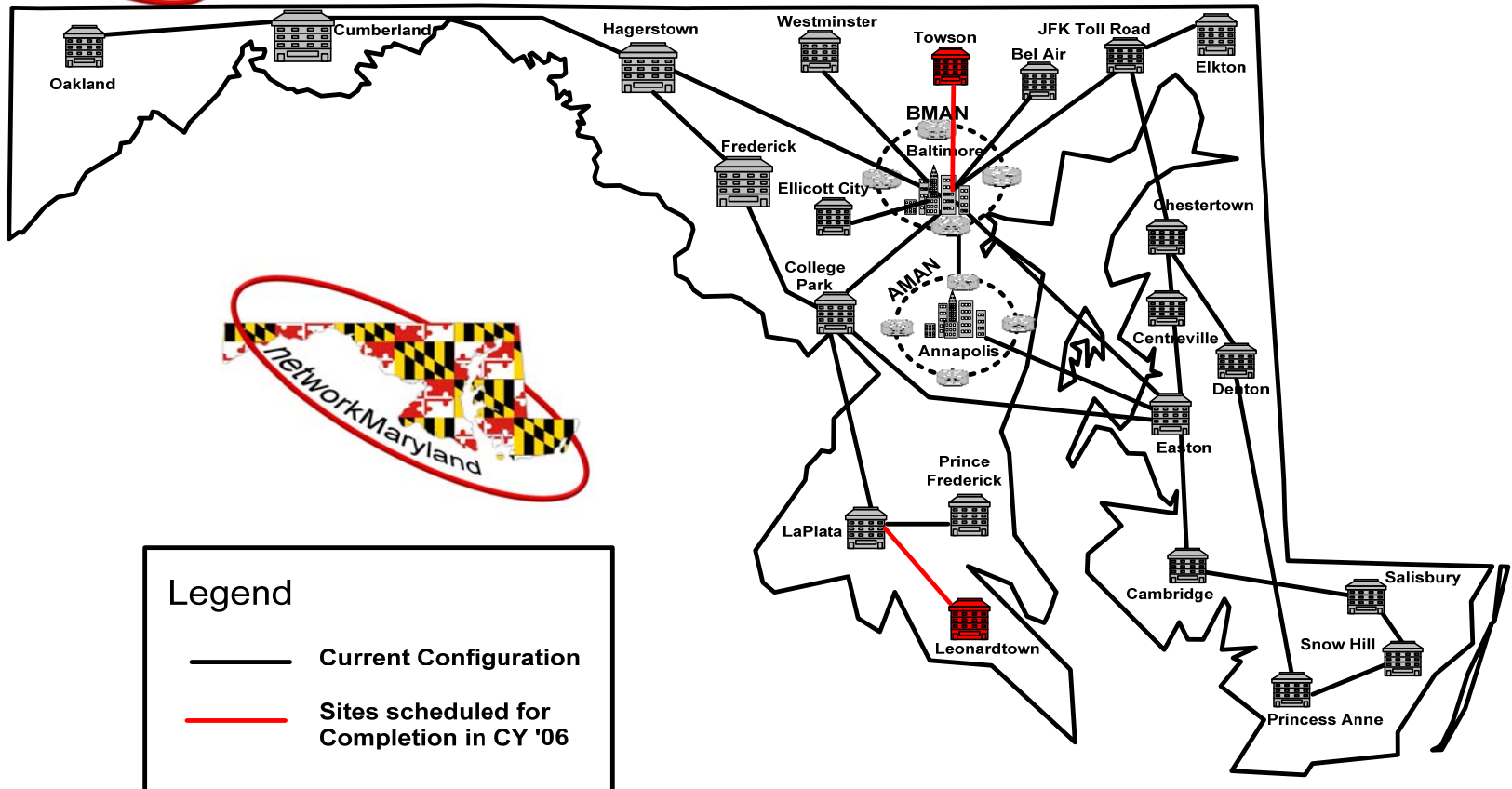
Project Status



- Eastern Shore Microwave Backbone
 - Working to upgrade DC power at POP sites
 - Investigating additional redundancy via partnership with Sailor
- Teltronics Contract – Microwave link management
 - Created operational sparing model
 - Monitoring performance of microwave links between Eastern Shore sites
 - Sharing of data and information on signal loss to determine source/cause



networkMaryland Overview (September 2006)





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Other Business



- nwMD Engineering Committee meeting
 - Oct. 9, 2006, 1:30 PM @ UMBC Tech Center
 - Merged with UMATS engineering meeting
 - Richard Rose is your host
- Items for discussion from the Group
- Closing Questions or Comments



Thank You



- Meeting Adjourned