Management Team and Organization Chart

Attached you will find the resumes of senior management team personnel representing each member jurisdiction of the One Maryland Broadband Network Consortium as well as some key project team personnel. The project organization chart is also attached.

Collectively, this group has over 200 years of experience in information technology services, network management, project management, diversified expertise in technology infrastructure development, Public Safety, GIS, data and application development, and telecommunications. They have managed IT environments in almost all industries, from companies like transportation, telecommunications, large non profits, educational institutions, as well as many others.

Prior to this consortium, many of the members had previous developed state and county wide consortiums which included schools, libraries, government entities, private industry, and higher education in order to connect strategic facilitates utilizing broadband. Projects ranged from single year million dollar projects to 5 plus year $30 million, which have stayed on budget and time.

Of particular note is the collective annual operational budgets currently management by this consortium. When including the yearly project expenditures the amount is in excess of $460 million per year with a combined technical staff of more than 500 employees. Specifically, these individuals have successfully managed the following projects:

- Collective technology yearly operational and capital budgets in excess of $460 million

- Management of the State of Maryland's private high-speed network that supports public sector data transport and common service delivery fiber optic network.

- Management of a universal access, fiber optic network designed to deliver an advanced, world-class broadband network cooperative.

- Management of federal PSIC grant and UASI funds ranging in excess of $20 million dollars to extend a fiber-optic ring linking the National Capital Region into one unified public safety network.

- Multiple multi-year Public Safety tower deployment projects have been managed by members of this consortium. The functionality and interoperability cross jurisdiction was also a required outcome. Many of the deployments were at least $40 million each and were delivered on time and on budget. Total deployment costs for the region have been in excess of $350 million.

- Management of federal PSIC grant for 1.2 million dollars to extend a fiber-optic ring linking county government along the 1-70 corridor in Maryland

- Implementation and management of $20 million plus ERP solutions consolidating full financials (procurement, billing, cashiering) with HR. Payroll, and customer service systems.

- Capital budget management for technology services

- Replacing legacy ATM networks with state of the art Ethernet Network

- Re-architecting FiberNet cores

- Connecting to State-wide Networks

Gregory J. Urban
Annapolis, Maryland

Professional Experience

State of Maryland   **12/04 – 3/10**

Deputy State CIO – Operations, Department of Information Technology: 6/09 – 03/10
Responsible for statewide IT operations, leading 4 Divisions (Networks, EIS, Web Systems, ASM) that provide services to State agencies including applications (finance, procurement, HR systems), voice and data networks, the Maryland.gov portal, help desk and desktop support, and agency IT operations.

Director, Networks Division, Department of Budget and Management: 6/06 – 06/09
Responsible for the operations of networkMaryland, Maryland's State owned data network providing data communications to public sector entities statewide, the Wireless Services Department, and Voice Services Department. Manage a $14M annual operation budget and $8-$10M annual capital budget. Completed the $30M deployment of networkMaryland, including the Eastern Shore microwave network. PM for the migration of the networkMaryland backbone from ATM to IP/MPLS.

Department of Transportation (MDOT): 12/04 – 6/06
Deputy Program Manager managing MDOT's $74M Network Managed Services Contract including contract resources supporting NOC staffing, O&M, and engineering. Member of the MDOT Project Management Office that developed project management standards for MDOT. Network Operations Manager overseeing O&M activities of MDOT's 1,600 node statewide network. PM for network build-out and enhancements to MDOT fiber and microwave based statewide backbone including the Backbone Upgrade from ATM to Gigabit Ethernet, creation of QoS/CoS standards.

Orbitz: Senior Network and Security Engineer   **8/02 – 4/04**
Senior Network and Security Engineer for 2nd largest travel agency web property and E-commerce site. Responsible for design, implementation, and management of two production data centers, corporate & development network, and core network among these three locations. Responsible for Intrusion Detection Systems reporting, firewalls, hardware load balancers, Layer2/3 switches, and routers.

SiteLine: Vice President, Engineering Operations   **9/99 – 4/02**
Member of the Senior Management Team and responsible for the network specification, design, and build-out of broadband in-building Internet services for national ISP/BLEC with over 700 locations nationwide. Build and lead functional organizations (Field Operations, Engineering, and Provisioning) totaling 20 employees. Increased building installation rate from 3/month to 18/month with no increase in staff.   Specified all network infrastructure including servers, services (DNS/Email/web hosting), colocation facilities, core routers, and in-building infrastructure (routers, DSLAMs, switches). PM for data center migration project with budget of $.5M, completed on time and under budget by 10%. Responsible for $1M POP build, installing 5 and upgrading 3 regional POPs on time and on budget.

Allegiance Telecom/Kivex.com: Director of Internet Services & Operations   **10/96 – 9/99**
Member of the Senior Management Team and Lead Engineer for one of the first in-building ISPs, serving over 200 buildings in North America. Designed and built an IP backbone for this national commercial ISP and web hosting company serving 24 markets via 17 regional POPs. Designed model POP architecture and led nationwide roll out of network. Completed network build on time and on budget. Built and led the Network Operations Division that included the Engineering, Provisioning, NOC, and MIS departments totaling 30 employees. Grew the network from under 100 nodes to over 1500, and increased customer installation rate from under 10/month to over 100/month. Oversaw all systems operations, including production DNS, Email, web servers, managed servers, and server colocation.

Education
MS Computer Science, University of Maryland Graduate School – 12/96
BS Business Administration (Finance), University of Florida – 12/89

Denis McElligott
Elkridge, MD 21075

Experience:

State of Maryland
Department of Information Technology
301 West Preston Street
Suite 1304
Baltimore MD 21201
February 2004-present

Director, Communications Services
Responsible for the Agency's program to design, procure, construct, operate and maintain its statewide fiber optic and wireless communications infrastructure. Manage a $60 million infrastructure project for the construction of telecommunications facilities statewide. Manage a permanent staff of 6, including project managers, finance and procurement professionals. Oversee vendors performing construction, hardware implementation and project management activities statewide. Manage data center infrastructure at the Agency's sites throughout the state. Provide contract management and technical expertise for the Agency's major information technology contracts. Lead an inter-agency team responsible for writing and evaluating the State's RFP for a statewide interoperable public safety communications system. Support the development of a statewide public safety communications system by partnering with state agencies and counties in joint projects.

Project Manager
Engineer and manage the construction of fiber optic and digital microwave data network routes, communications tower sites and telecommunications facilities. Implement the State's strategic infrastructure plan to connect state agencies and counties to the State's private network. Coordinate public safety telecommunications infrastructure projects with county governments and state agencies.

Comcast Business Communications
135 National Business Parkway
Annapolis Junction MD 20701
November 2000 – May 2002

Project Manager
Managed all aspects of planning and customer implementation for broadband data and voice services utilizing both fiber optic and RF technologies. Responsibilities included development of project management processes & reporting tools, inside and outside wiring of fiber optic, coaxial and Cat-5 cabling, voice and data service provisioning, equipment installation, testing and technical coordination with customers and third party integrators. Managed subcontractor operations and negotiated agreements. Supervised 3 junior project managers and three subcontractors. Coordinated field technical support for over 300 small to medium sized businesses. Managed core network gear installation, testing and turnover to production network.

Military:
First Lieutenant, U.S. Army Reserves, Corps of Engineers.
4th Battalion,389th Regiment
1st Brigade
98th Division (Training)
Schenectady, New York
Honorably discharged in August 1994

Education:
University of Massachusetts
Amherst, Massachusetts
Bachelor of Arts; May 1986, Soviet and East European Studies

Curriculum Vita

Peter O'Neil
Mid-Atlantic Crossroads
8400 Baltimore Avenue Suite 102
College Park, Maryland 20740
poneil@maxgigapop.net

Education:
- Visiting Researcher, Harvard University, 1985 - 1989
- Visiting Scientist, MIT Artificial Intelligence Lab, 1984 -1985
- Masters degree in Organizational Behavior, Harvard University, 1981
- Bachelors degree in English Literature/Psychology, Boston University, 1972

Professional Experience:
- 2007-Present Executive Director, Mid-Atlantic Crossroads, University of Maryland
- 2001-2007 Senior Network Engineer, National Center for Atmospheric Research
- 2000-2001 Chief Architect, Callisma, Inc.
- 1994-2000 Executive Technical Staff, Internet Architecture & Engineering, MCI
- 1991-1994 Director Network Development, Advanced Network & Services (ANS)
- 1981-1991 Senior Research Manager, Corporate Research & Architecture, DEC

Professional Societies:
- Quilt National Regional Networking Consortium

Recent Publications:
- Mathis, Heffner, O'Neil, and Siemsen, *Pathdiag: Automated TCP Diagnosis*, M. Claypool and S. Uhlig (Eds.): PAM 2008, LNCS 4979, pp. 152–161, 2008, Springer-Verlag Berlin Heidelberg 2008.

Synergistic Activities:
- Provide national leadership, vision, innovation, planning, and operations in support of MAX's mission to deliver advanced networking capabilities across Maryland, Virginia, and the District of Columbia.
- Principal Investigator GENI Program Office/NSF Proposal
- Co-chair GENI Substrate Working Group
- Co-lead Executive Contact for NCAR on the NSF TeraGrid Project
- Member National LambdaRail Engineering & Measurement Working Groups
- Co-Principal Investigator of an NSF supported STI project on Network Path and Application Diagnosis
- Co-Principal Investigator of the NSF supported Web100 project and collaborator on the DOE supported Net100 project
- Funded Cisco University Research Program proposal "Investigating Large Maximum Transmission Units (MTU)".
- Recipient of IA-64 workstations from the HP Gelato Foundation
- Member NIH funded Biomedical Research Infrastructure Network (BRIN) Lariat
- Member Internet2 Hybrid Optical Packet Infrastructure (HOPI) Design Team
- Member of the Front Range GigaPoP (FRGP) Management Committee, Westnet Steering Committee, and The Quilt consortium of US GigaPoPs
- Participant in North American Network Operators Group (NANOG), Internet Engineering Task Force (IETF) Security, Operational, and Transport areas, and NLANR Joint Techs Meetings
- Product design and evaluation of MCI's Internet transport offerings and services
- Participant in the successful 1994 NSFnet re-compete proposal for the vBNS

Norwin Malmberg
Annapolis, Maryland

University System of Maryland   **06/88 - Present**

Chief Network Technology Officer: 01/07 - Present
Director of the University of Maryland Academic Telecommunications System (UMATS), which provides Internet, Internet2 and interactive video services for the University System of Maryland, and other public and private colleges. Grew the organization from 6 external members to 18. Oversaw the replacement of core equipment for the Internet and video networks.

Manager, Network Services and Technical Support: 07/94 – 12/06
Chief Network Engineer for UMATS. Responsible for design, implementation, and day to day operation of all aspects of the network. Performed multiple upgrades to the network, going from multiplexed T-1s to dedicated T-1s to ATM over DS-3 to dedicated DS-3 and OC-3. Deployed a DWDM system over dark fiber increasing the backbone capacity from OC-3 to 10 Gigabit connections. Migrated the video network from dedicated H.320 connections to H.323 over TCP/IP.

Senior System Programmer: 12/90 – 06/94
Responsible for all aspects of local IT support for the University System Office. This included support for file/print sharing, e-mail access, shared calendar, and the System web pages. Supported 2 remote offices and employee telecommuting.

System Programmer: 06/88 – 12/90
Responsible for operation of two HP/3000 minicomputers, several UNIX workstations, two VAX/VMS minicomputers running a variety of applications including budget, payroll, accounting, alumni records, and electronic mail. Also responsible for over 200 personal computers using a variety of office applications.

Computer Based Systems, Inc.   **06/86 – 06/88**

Application programmer using COBOL and ADABASE/NATURAL on IBM MVS mainframe. Supported personnel, payroll and financial account systems.

Education
BS Physics, Rensselaer Polytechnic Institute – 05/86

Ira A. Levy

E-MAIL JLEVY@HOWARDCOUNTYMD.GOV

EXPERIENCE

12/06-present	Howard County Government	Howard County, MD

Chief Performance Officer and Chief Information Officer

- Member of the Executive Cabinet and County Stat Evaluation Team
- Articulate a mission and vision for the future of technology according to the needs of the county, its businesses, and residents
- Manage IT budgets and Personnel ($30 million budget, 100 plus staff)
- Provide project management leadership and supervision of enterprise projects areas including (SAP, ECM, VOIP, 100 mile Fiber Ring Design and Deployment, Migrations-AD, Exchange)Applications Development\ERP, Server Systems\Helpdesk, Mainframe Operations, Geospatial Information Systems, Telecommunications\Networking, Microwave Radio Communication (towers), Access Control, public safety IT systems (911)

5/00-12/06   The Jewish Federation of Baltimore and Greater Washington

Managing Director: Finance and Administration (Rockville, MD)

- Member of the Executive Management Team
- Led multiple organizations through a technical re-engineering process in order to integrate and stream line all technical systems and processes

Director of Technology and Operations (Baltimore, MD)

- Member of the Executive Management Team
- Responsible for the supervision of: IT services, security, and facilities management (500,000+ sq ft)
- Responsible for preparation of technical and operational budgets

4/99-5/00	University of Central Florida	Orlando, FL

Sr. Coordinator of Info. And Comm. Systems-Downtown and South Orlando

8/1/97–4/1/99	Orange County Public Schools	Orlando, FL

Technology Coordinator/Systems Administrator

EDUCATION/COMMITEES/RECENT GRANTS

John's Hopkins University	Baltimore, MD	04
Master of Business Administration		
John's Hopkins University	Baltimore, MD	02
Master of Science in Information and Telecommunication Systems		
University Of Central Florida	Orlando, FL	98
Master of Arts in Education		
University Of West Florida	Pensacola, FL	95
Bachelors of Arts in Psychology		

Certifications

    PMP, PMCP, NIMS Certified (ICS 100, ICS 200, ICS 700)

LORI L. SHERWOOD, Esq.

lsherwood@howardcountymd.gov

PROFESSIONAL EXPERIENCE

Broadband and Cable Administrator
Howard County, Maryland
Appointed to direct the Cable Administration Office for Howard County Government; duties include negotiating cable franchise agreements, managing other tower and pole attachment agreements, advising the County Executive and County Council on cable and telecommunications issues, providing advice and assistance to the Howard County Cable Advisory Committee, testifying before the County Council and Maryland General Assembly as necessary, managing the Howard County Cable Administration budget and related professional services contracts, serving as county liaison to Public, Education and Government Access channels, handling customer complaints filed by residents and others, interfacing with cable companies on all related matters. Most recently coordinated and co-directed the One Maryland Broadband Consortium comprised of 10 Maryland jurisdictions in applying for 100 million dollars in Round 1 BTOP middle mile infrastructure funding to directly connect over 800 community anchor institutions, interconnect government networks for shared resources, spur economic development with public and private partnerships and improve interoperability for public safety.

Government Affairs Manager
Comcast of Montgomery County
Served as Comcast liaison with the Local Franchising Authorities. Handled all government relations issues including customer complaints, hearings, local legislative issues, and County Council and city council committee work sessions. Investigated all complaints filed with the Montgomery County Cable Compliance Commission including conducting interviews, managing case file, working with outside council for final resolution and testifying before Commission on cases requiring hearings. Generated required franchise reports for elected officials and attended community events and conferences on behalf of Comcast. Also responsible for working with all internal Comcast departments to ensure compliance with the Montgomery County Franchise Agreement.

Montgomery County Campaign Manager/Communications Director
Albert Wynn for Congress (MD. 4th)
Developed Montgomery County campaign plan and strategy including directing and coordinating all events (including 2 events for Speaker of the House Nancy Pelosi), community outreach, and all aspects of campaign; hired and coordinated Montgomery staff and managed campaign office. Also managed all aspects of press and served as Communications Director and campaign spokesperson including drafting all content for campaign website. Worked closely with all vendors on development of campaign strategy including direct mail, media and messaging.

EDUCATION

Juris Doctor, *Cum Laude*, 1999
University of Baltimore School of Law, Baltimore, MD.
University of Baltimore Law Review, Managing Editor, Volume Series 28

Bachelor of Arts, Anthropology, 1993
The American University, Washington, D.C.

BAR MEMBERSHIP

Maryland State Bar; Current Member in Good Standing (Admitted December 1999)

E. STEVEN EMANUEL

SUMMARY

Thirty years of experience in leadership positions management with responsibility for up to 150 employees, including management staff. Achievements include successful personnel recruiting, employee development, productivity planning and improvement incorporating functional documentation, standards and operations policies. Two years in Retail sales responsible for human resource functions, retail accounting and inventory control. Seven years of Insurance processing management in all phases of policy processing and automated processing system analysis and development. Four years in systems analysis and programming environments. System development included mainframe programming skills, as well as personal computer and network applications in financial and accounting systems with software support, client integration and user defined programming. Eight years in LAN / WAN and telecommunications management, including physical layer implementations, both copper and fiber, bridged and routed networks and management of all Information Technology proficiencies including Application Development, Network Services, Client Support Services including Training and Helpdesk. Twelve years in technology management and project management.

JOB HISTORY

May 2007 to Present – Montgomery County Government, Rockville, MD
- Chief Information Officer

Jan 1998 to May 2007 - National Railroad Passenger Corp (Amtrak), Washington DC
- Chief Information Officer (Corporate – DC)
- Sr. Director – Chief Information Officer (Northeast Corridor – Philadelphia, PA)
- Director, Network Operations – Northeast Corridor Support

July 1985 – January 1998 - GPU Companies, Reading, PA; Parsippany, Morristown and Forked River, NJ
- IT Site Support Manager – Oyster Creek Nuclear Generating Station, Forked River, NJ
- Network Coordinator – Jersey Central Power & Light Headquarters, Morristown, NJ
- Network Analyst – GPU Nuclear and Corporate Headquarters, Parsippany, NJ
- Programmer Analyst – GPU Headquarters, Reading, PA

March 1978 – July 1985 - CNA Insurance Company, Reading, PA; Chicago, IL
- Systems Development Manger – Corporate Headquarters, Chicago, IL
- Division Supervisor – Eastern Headquarters, Reading, PA
- Unit Supervisor – Eastern Headquarters, Reading, PA

July 1976 – March 1978 – Northeast Stations & Services, Norristown, PA (Gulf Oil Subsidiary)
- Multi-station Manager – PA Turnpike
- Territorial Supervisor – PA, NJ, NY Territory, based out of E. Norriton, PA
- Field Station Manager – Atlantic City, NJ
- Office Accounting Clerk/Supervisor – East Norriton, PA
- Station Attendant – Broomall, PA

EDUCATION
- BS Sociology/Criminology, Eastern University, St. Davids, Pennsylvania – September, 1976
- Varied Seminars on Technology including Cisco Certification Prep. Management Development, Teaming/Leadership and Network Analysis, Financial Analysis and Reporting for non-Finance Managers

PERSONAL

Hobbies – Part Time Medic (EMT), Howard County Fire & Rescue; Remote Control Aircraft enthusiast. Golfer

410- 222-1115 (Office phone) / Email wryan@aacounty.org

EDUCATION:
University of Maryland, University College   Major - Business and Management
Central Michigan University   MSA: Information Resource Management

PROFESSIONAL EXPERIENCE:
December 1981 to Present: Anne Arundel County Maryland Office of Technology

    Information Technology Officer (Chief Information Officer) December 2006 to Present
• Responsibility for the management of Countywide Information Technology Department including all applications and computing, network, telecommunications, security, E911 technology, homeland security technology, cable television and geographic information system resources across a multiplatform and TCP/IP network infrastructure
• Management of Countywide Information Technology strategic planning
• Management /Administration of Information Technology professional and technical staff members, including Department Personnel, Legal, Budget, Financial and Training responsibilities.
    Acting Information Technology Officer (Chief Information Officer) November 2005 to December 2006:
• Responsibility for the management of Countywide Information Technology Department including all applications and computing, network, telecommunications, security, E911 technology, homeland security technology, cable television and geographic information system resources across a multiplatform and TCP/IP network infrastructure
• Management /Administration of Information Technology professional and technical staff members, including Department Personnel, Legal, Budget, Financial and Training responsibilities.
• Provide and manage Information Technology Customer Service functions.
• Provide for Information Technology Project Management.
    Assistant Information Technology Officer   **January 2005 to November 2005:**
• Responsibility for the management of Countywide Information Technology Department including all computing, network, telecommunications, cable television and geographic information system resources across a multi-platform and TCP/IP network infrastructure
• Provide and manage Information Technology Customer Service functions.
• Provide for Information Technology Project Management.
    Information Services Manager   **February 1997 to January 2005:**
• Provide for Information Technology Project Management.
    Data Resources and Technical Services Manager August 1988 – February 1997:
• Management of Technical Services Division providing multi-platform support (IBM mainframe, AS/400, RS/6000 based processing)
• Management of County Emergency 911 Computer Center, providing computer systems
• Management of County Capacity Planning Services (Network & Computing)

Robert (Rob) R. Stradling

Director, Office of Information Technology (OIT)/Chief Information
Officer, Baltimore County Government:

Serving Baltimore County Maryland Government for the last four year in
support of all county agencies including Public Safety (Police, Fire, 911,
Sheriff), Land Management, Health and Human Services, Administration
and Web services.

The Baltimore County Office of Information Technology (OIT) works in
partnership with other County agencies to provide business solutions that
support the delivery of government services. The diverse skills of our
developers, engineers and technicians allow us to support the County's needs
in leading technology areas such as electronic commerce, wireless
networking, geographical information systems, and document imaging. With
a strong focus on customer service and continuous improvement, the staff
and management of OIT are committed to supporting Baltimore County's
needs with technology solutions that work.

Before coming to Baltimore County, Rob had responsibility for leading
information technology groups in various capacities with industry leaders
such as AIG, Quest Diagnostics, Andersen Consulting and Citibank. With
over twenty-five years of experience in Information Technology.

Bachelor of Science in Electrical Engineering (BSEE)
Spring Garden College/Drexel University, Phila. PA.
Graduation Date: June 1984

Master Certifications in Project Management,
University of Delaware, 1990 – 1992

ITIL (best practices in IT) Practitioner Certification
University of Ontario, 2008

"I am extremely happy to be here and look forward to leading the Baltimore
County Office of Information Technology (OIT) in partnership with other
County agencies to provide business solutions that support the delivery of
government services. With special emphasis on customer service, technical
knowledge, adaptability, innovation and a private-sector 'can-do' attitude!"

PHONE 410-588-5296(W) ▓▓▓▓ (H) • FAX 410-638-4363
E-MAIL ▓▓▓▓

H. ANDREW MOORE

Chief Information Officer • Information Management Officer • Computer Scientist

Senior executive with over 24 years of diversified expertise in technology infrastructure development, data architecture, application development, and telecommunications.

PROFESSIONAL EXPERIENCE

2000 – Present   Harford County Public Schools   Bel Air, MD
Chief Information Officer
- Responsible for vision, leadership, budget development and management for technology implementation and integration to operational and instructional practices to a 40,000 student K-12 institution.

1997 – 2000   Aberdeen Test Center   APG, MD
Information Management Officer
- Responsible for technology, vision, and leadership for developing information management policies, establish and review technology acquisitions, develop proposals for funding.

1995 - 1997 Aberdeen Test Center   APG, MD
Team Leader, Test Management Automation Team
- Responsible for directing and mentoring a team of engineers, computer scientists, mathematicians, and operation research analysts who analyzed, designed and implemented business processes for enterprise wide integration of data acquisitions systems.

1985 - 1995 Aberdeen Test Center   APG, MD
Computer Scientist
- Designed, coded and implemented software systems for the test and evaluation of Department of Defense (DoD) weapon systems and private industry items.

EDUCATION

Bachelor's of Science, Computer Science, University of Maryland   College Park, MD
Computer Science, Towson State University   Towson, MD
Engineering studies, Harford Community College   Bel Air, MD

Tanya Elizabeth Gott

(Home) ████████ (Work) 301-952-5150
E-mail: tgott@co.pg.md.us

Summary of Qualifications:

Professional with over ten years of IT experience. Twenty-eight years with the Prince George's County Government. Technical, legal and administrative experience. Excellent managerial skills; ability to set priorities; provide work direction, and supervise. Excellent oral and written communication skills, multi-tasked oriented, team player, extensive technology and legal background. Project Management experience.

Experience:

Manage and provide oversight to Prince Georges County's Government technology and telecommunications needs, provide the agency with vision, leadership, direction and a clear sense of the mission and values, develop, manage, and provide oversight of a $27.9 million approved budget. Supervise and manage 79 full-time employees and 45 contract employees, manage the day-to-day overall administration, technical management, activities, operations, programs and projects within OITC.

Employment History:

March 2008 to Present	**Director** Office of Information Technology and Communications (OITC)
December 2006 – February 2008	**Acting Director** Office of Information Technology and Communications (OITC)
October 2006	**Acting Deputy Director** Office of Information Technology and Communications (OITC)
2005 – 2006	**Associate Director** Office of Information Technology and Communications (OITC)
2004 – 2005	**Management Information Systems Coordinator** **Administration Assistant IV** Office of Information Technology and Communications (OITC)
2002 – 2004	**Junior Management Information Systems Coordinator** **Administrative Assistant III** Office of Information Technology and Communications (OITC)
2000 - 2002	**IT Coordinator/Special Projects Coordinator** **Administrative Assistant to the IT Director/Deputy Court Administrator** Prince George's County Circuit Court, Upper Marlboro, MD
1995 – 1981	**Office Manager/Administrative Aide I/II** Prince George's Circuit Court, Upper Marlboro, MD
1979–1981	**Legal Assistant/Campaign Coordinator for Steny Hoyer** Hoyer, Fannon & Johnston District Heights, MD

Education:

Master's Degree in Computer Systems Management at the University of Maryland University College. Graduation date 2009.

Bachelor of Science –Management and Technology/Behavioral Sciences from the University of Maryland University College / College Park, MD 2000 - Graduated 2000 *Summma Cum Laude.*

- Associates of Arts Degree in Paralegal Studies
- Notary Public

Mark E. Ripper

E-MAIL MERIPPER@CARR.ORG

EXPERIENCE

| 12/06-present | Carroll County Government | Carroll County, MD |

Chief Information Officer and Director of Technology Services

- Member of the Executive Cabinet.
- Articulate a mission and vision for the future of technology according to the needs of the county, its businesses, and residents
- Manage IT budgets and Personnel ($20 million operating budget and $18 million in capital projects, 30 plus staff)
- Provide project management leadership and supervision of enterprise wide projects for County Government, Carroll County Sheriff's Department, Carroll County State's Attorney, Public Safety and various partner agencies. Large projects have included a 110 mile fiber network, conversion of data from the HP3000 onto a Microsoft platform, implementation of virtual servers, and enterprise wide GIS

| 09/88-12/06 | Carroll County Government | Carroll County, MD |

Telecommunications Manager

- Member of the Technology Management Team
- Managed the creation of a wide area network using various technologies to connect the counties thirty-three (33) locations together
- Responsible for networking and phone system budgets

Client Services Manager

- Managed the growth of the local area network. In this time period the county grew from about on dozen personal computers to over seven-hundred (700) systems.

| 07/86-Current | Carroll Community College | Carroll County, MD |

Adjunct Professor

- Teach in the Business and Industry Technology division (networking, web page creation, software applications, etc).
- Managed the creation of a wide area network using various technologies to connect the counties thirty-three (33) locations together

EDUCATION/CERTIFICATIONS

Mount Saint Mary's University	Emmitsburg, MD 88
Master of Business Administration	
Loyola College	Baltimore, MD 78
Bachelor of Arts in Accounting	

Certifications Attained
- Eagle Scout
- Certified Public Accountant
- Certified Network Engineer
- NIMS Certified (ICS 100, ICS 200, ICS 300, ICS 400, ICS 317, ICS 546, ICS 547, ICS 700)

Professional Summary

Forty-one years' experience in the Information Technology field providing talent in large mainframe environments, application programming, enterprise networking and infrastructure, and desktop computing.

Currently direct a group of management, professional, and technical staff with responsibility for the design, integration, and support of critical, complex citywide information technology systems and strategies.

Oversight for the development and maintenance of the citywide email system providing a high level of availability, virus protection, and spam control.

Responsibilty for providing citywide support and helpdesk operations. Proficiency of operations typically results in average problem resolution of less than one day.

Management experience in justification, budgeting, staffing, startup, and operation of organizational units.

Enterprise network infrastructure maintained for city services at 99.99% availability.

Positions held in the private, public, and public safety sectors.

Education

B.S. in Business Administration, Towson State University, Towson, Maryland

Certified Netware Engineer accreditation

Certified Netware Administrator

Professional IT Experience

City of Baltimore, Mayor's Office of Information Technology (MOIT). Current position held since 12/98

City of Baltimore, Department of Education

The McCormick Spice Company, Baltimore, Maryland

Maryland State Police, Bureau of Data Processing, Pikesville, MD

WILLIAM PATRICK MITCHELL
CHIEF EXECUTIVE OFFICER

SUMMARY

- President and CEO of Maryland Broadband Cooperative
- Experienced in creating and foundation of Broadband Company
- Ten years experience in the telecommunications industry
- Diverse Telecommunications background in operations and management

PROFESSIONAL EXPERIENCE

Maryland Broadband Cooperative, President and CEO (2006 – Present)
- CEO of MdBC creating a fiber optic network to create economic development and deliver broadband services to un-served and underserved regions of Maryland
- Selected by MdBC Board of Directors to establish the business operations of non-profit cooperative
- Established over forty members of the cooperative
- Successfully established the Cooperative's business plan, created the operations and led sales and marketing, mapping and engineering as well as the financial departments
- Managed $15 million in Fiber optic network construction
- Under William Mitchell, MdBC has worked closely with private industry and Federal and State Governments to install an approximate thirty thousand fiber mile backbone and has established a plan to create an approximate 150,000 fiber mile network

Verizon Communications (2000 – 2006)
- Local manager for Enterprise Business Group
- Area manager for Enterprise Dispatch for Maryland Region
- Created Maryland 911 Training Center
- 911 Technician
- Special Circuits Technician
- Specialized training in Special Service Circuits, T1, Digital, DS3, ISDN, 911 Operations, various Verizon management training

Tomey Electric (1986 – 2000)
- Supervision and Management of Electricians
- Electrician

EDUCATION & SPECIALIZED TRAINING
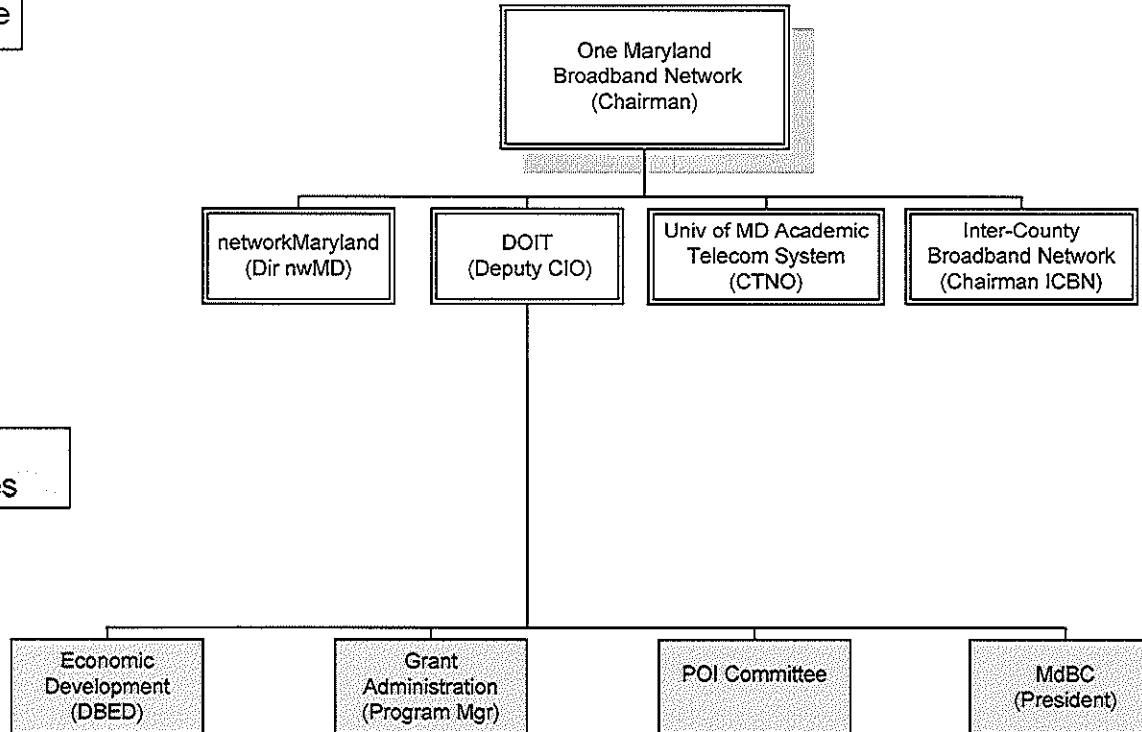
- Master Electrical License

2 Pages

Withheld in their entirety pursuant to FOIA Exemption 4 (5 U.S.C. § 552 (b)(4))

One Maryland Broadband Network Organizational Chart

Governance Committee

One Maryland
Broadband Network
(Chairman)

| networkMaryland (Dir nwMD) | DOIT (Deputy CIO) | Univ of MD Academic Telecom System (CTNO) | Inter-County Broadband Network (Chairman ICBN) |

Working Groups/
Advisory Committees

| Economic Development (DBED) | Grant Administration (Program Mgr) | POI Committee | MdBC (President) |

Inter-County Broadband Network
Organizational Chart

Governance Committee

Inter-County
Broadband Network
(Chairman: Howard Co)

| City of Annapolis (CIO or rep) | Anne Arundel Co (CIO or rep) | Baltimore Co (CIO or rep) | City of Baltimore (CIO or rep) | Carroll Co (CIO or rep) | Frederick Co (CIO or rep) | Harford Co (CIO or rep) | Howard Co (CIO or rep) | Montgomery Co (CIO or rep) | Prince Georges Co (CIO or rep) |

Working Groups/ Advisory Committees

| Technical Working Group | Public Safety Committee | Economic Development Committee | Public Application Enhancement Committee |

Partners

| Columbia Telecommunications Corp. (CTC) | Mid-Atlantic Crossroads (MAX) | National Capital Region Interoperability Program I-Nets (NCRnet) | Economic Development Association (All Members) | Maryland Libraries | Univ. of Maryland |

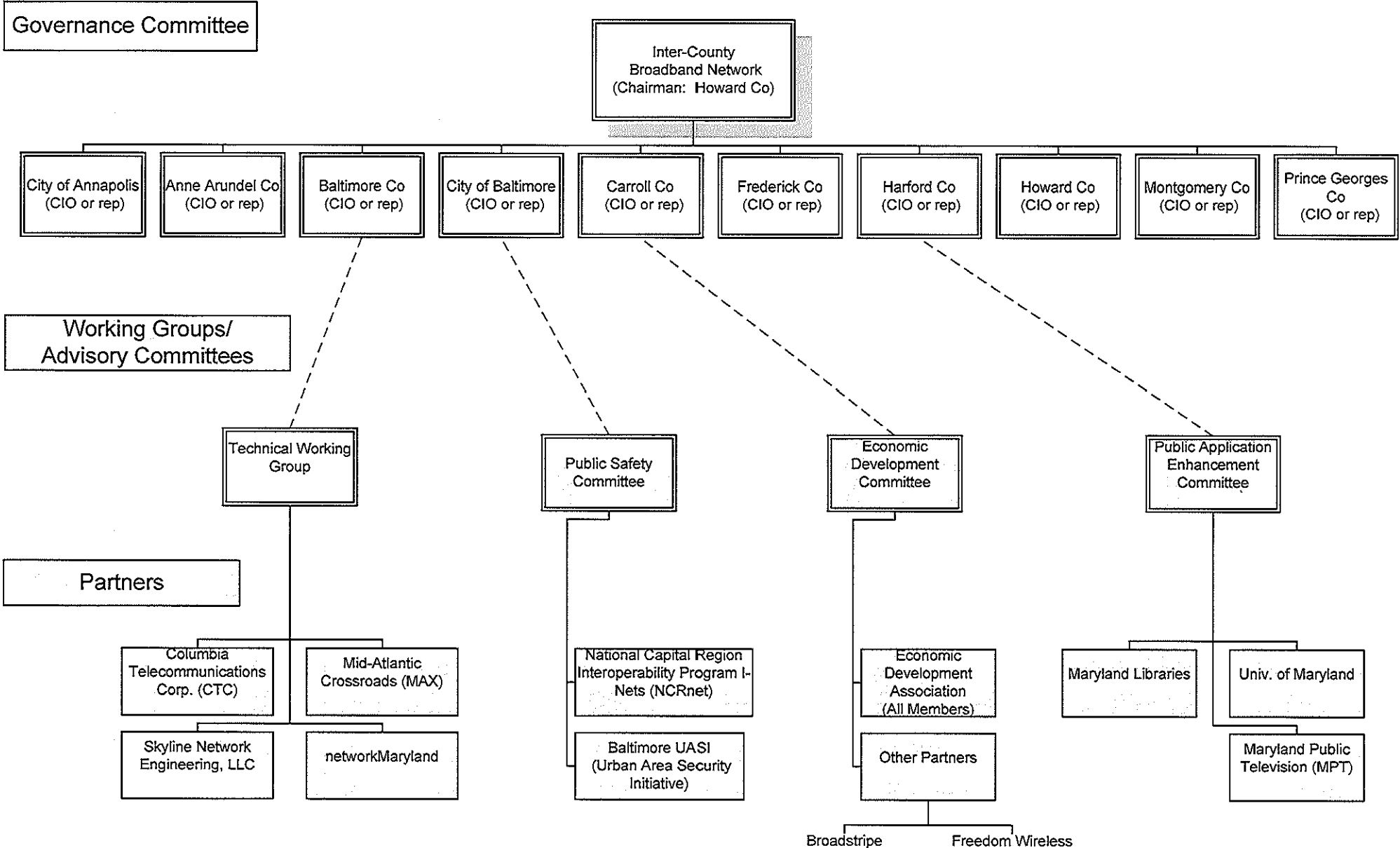| Skyline Network Engineering, LLC | networkMaryland | Baltimore UASI (Urban Area Security Initiative) | Other Partners | | Maryland Public Television (MPT) |

Broadstripe   Freedom Wireless

30 Pages

Withheld in their entirety
pursuant to FOIA Exemption 4
(5 U.S.C. § 552 (b)(4))