

## BTOP Comprehensive Community Infrastructure Project Plan and Build-out Timeline

### PROJECT PLAN

Time Period	Quarter	Milestones	Support for Reasonableness/Data Points
Year 0	-	<ul style="list-style-type: none"> <li>• [Redacted]</li> <li>• [Redacted]               <ul style="list-style-type: none"> <li>• [Redacted]</li> <li>[Redacted]</li> <li>[Redacted]</li> <li>[Redacted]</li> </ul> </li> <li>• [Redacted]               <ul style="list-style-type: none"> <li>[Redacted]</li> </ul> </li> <li>• [Redacted]               <ul style="list-style-type: none"> <li>[Redacted]</li> <li>[Redacted]</li> <li>[Redacted]</li> <li>[Redacted]</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• [Redacted]</li> <li>[Redacted]</li> <li>[Redacted]</li> </ul>
Year 1	Qtr. 1	<ul style="list-style-type: none"> <li>• [Redacted]               <ul style="list-style-type: none"> <li>• [Redacted]</li> <li>[Redacted]</li> <li>• [Redacted]</li> <li>[Redacted]</li> </ul> </li> <li>• [Redacted]               <ul style="list-style-type: none"> <li>• [Redacted]</li> <li>[Redacted]</li> <li>• [Redacted]</li> <li>[Redacted]</li> <li>• [Redacted]</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• [Redacted]</li> </ul>
	Qtr. 2	<ul style="list-style-type: none"> <li>• [Redacted]               <ul style="list-style-type: none"> <li>• [Redacted]</li> <li>• [Redacted]</li> <li>[Redacted]</li> </ul> </li> <li>• [Redacted]               <ul style="list-style-type: none"> <li>• [Redacted]</li> <li>• [Redacted]</li> <li>[Redacted]</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• [Redacted]</li> </ul>



	Qtr. 2	<ul style="list-style-type: none"> <li>• [REDACTED]</li> </ul>	<ul style="list-style-type: none"> <li>• [REDACTED]</li> <li>• [REDACTED]</li> </ul>
	Qtr. 3	<ul style="list-style-type: none"> <li>• [REDACTED]</li> <li>• [REDACTED]</li> <li>• [REDACTED]</li> </ul>	
	Qtr. 4	<ul style="list-style-type: none"> <li>• [REDACTED]</li> <li>• [REDACTED]</li> <li>• [REDACTED]</li> <li>• [REDACTED]</li> <li>• [REDACTED]</li> </ul>	
Year 3	Qtr. 1	N/A	N/A
	Qtr. 2	N/A	N/A
	Qtr. 3	N/A	N/A
	Qtr. 4	N/A	N/A

**BUILD-OUT TIMELINE**

Complete the following schedule for *each* Last Mile or Middle Mile Service Area to note the degree of build-out, based on: a) infrastructure funds awarded; b) entities passed (households, businesses, and community anchor institutions.). In addition, please complete a schedule that aggregates the build-out timeline across all of the Proposed Funded Service Area.

		Mississippi Education Safety and Health Network											
	YEAR 0	YEAR 1				YEAR 2				YEAR 3			
		Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4
Infrastructure Funds													
Infrastructure Funds Advanced (estimate)													
Percentage of Total Funds													
Entities Passed & %													
Households													
Percentage of Total Households													
Businesses													
Percentage of Total Businesses													
Community Anchor Institutions													
Percentage of Total Institutions													

## **BTOP Comprehensive Community Infrastructure Service Offerings and Competitor Data Template**

Please complete the complete the following worksheets--either of the Last Mile or Middle Mile Service Offerings worksheets may be omitted if the applicant is not proposing to provide that type.

For both the Last Mile and Middle Mile Service Offerings worksheets, the service offerings should include all relevant tiers and markets (*e.g.* residential, business, wholesale). Applicants should ensure to include details on any services that would be offered at discounted rates to specific classes of customers (*e.g.* community anchor institutions or third party service providers).

In the Last Mile Service Offerings worksheet, applicants are required to provide estimated end user speeds. Average speeds should be the average sustained actual, non-burst end user speed that would be received during a peak hour. For purposes of calculating these speeds, applicants should utilize their subscriber projections for year eight of the project, and develop utilization projections that are consistent with any additional services the applicant proposes. For wireless broadband services, this speed should be an average of the speeds available throughout the entire cell. Beyond these general guidelines, due to the multiplicity of technical solutions that may be proposed, the applicants may use discretion to determine the most reasonable method to estimate actual speeds on their network. Applicants should explain the underlying methodology used to calculate the average speeds in the space provided.

In the Competitor Data worksheet, applicants are required to provide data on both Last Mile and middle mile service providers, regardless of whether the applicant proposes to offer Last Mile and middle mile services. In the column titled Service Areas Where Service Offered, applicants should list all of the Last Mile and Middle Mile Service Areas within their Proposed Project Area in which the listed services are available. Please ensure that the Service Areas are consistent with those provided within the application and the Service Areas attached to the application. If the actual availability of the listed services is limited (*e.g.* the service is only available within a Last Mile or Middle Mile Service Area), note this in the Other Comments column.

In contrast to several other attachment templates in this application, the data provided in this template will NOT be subject to automated processing. These templates worksheets are provided to demonstrate the level of data required and to provide a suggested format. Applicants may modify the template layouts in order to provide the most effective presentation of their specific project. Applicants should, however, ensure that they provide at least as much data as these templates require. To the extent that you modify these templates please ensure that the print layouts are adjusted so that rows do not break across pages in a manner that is difficult to understand. It is recommended that you provide these documents in PDF format when submitting a copy of your application on an appropriate electronic medium, such as a CD-ROM, or flash drive.



Middle Mile  
provide services of

offerings should  
plans should be  
particular  
(riders).

estimated average  
fast speeds that an  
plans, applicants  
subscriber  
plans to offer.  
available across an  
solutions that may  
manner in which  
making assumptions

last mile and  
for both last mile  
plans, applicants  
Funded Service  
plan names are  
relevant. If the  
within part of the

provided via this  
plans are provided  
applicants are free to  
the data for  
as much detail  
ensure that the  
will be difficult  
when  
as a DVD, CD-



## Proposed Last Mile Service Offerings

Name of Service Tier	Advertised Speeds		Estimated Average Speeds		Average Latency	Pricing Plan (\$ per month)	Other Comments/Description/Features or Limitations
	Downstream Mbps	Upstream Mbps	Downstream Mbps	Upstream Mbps	@ End User CPE milliseconds		
N/A							

**Explanation of Average Speed Calculations:**





**Joseph William (Bill) Roach**

broach@wcc.ms.gov  
Office (601) 359-5347  
Cell [REDACTED]

**Career Summary:**

**January 2009 – Present**

Mississippi Wireless Communication Commission

Executive Officer

Responsible for:

- Day to day management of MS Wireless Information Network (MSWIN) project
- Supervision of WCC staff and contractors
- Coordination of project activities with prime and sub-contractors
- Monitoring contract compliance and negotiation of change orders
- Monitoring and approval of project schedule, deliverables and expenditure of WCC funds
- Presentation of MSWIN project status to WCC, legislative advisors and other interested groups
- Participating with WCC commission members in discussion of MSWIN governance issues
- Conducting meetings with local governing authorities on the MSWIN project and interoperability solutions
- Evaluating interoperability solutions proposed by technology vendors
- Developing MSWIN funding opportunities with legislators and Governor's office staff

**March 1998 – December 2008**

Mississippi Department of Information Technology Services

Interim Executive Officer, MS Wireless Communication Commission: April 2008 – December 2008

- Same duties as above

Consulting Team Leader, Information Systems Services Division (ISS): January 1999 – December 2008

WCC/MSWIN Project: April 2005 - Present:

- Coordinated MSWIN RFP development with technical consultants, state agency and local government representatives
- Participated in proposal evaluation
- Participated in contract negotiation and project initiation

Team Leader:

- Lead team of 10 senior consultants in IT procurement and consulting services projects
- Provided quality assurance on deliverables and mentoring on process and project management

Technology Consultant, Information Systems Services Division: March 1998 – January 1999

## **October 1989 to November 1997**

### Magnolia Federal Bank

Vice President and Information Systems Manager: May 1996 – November 1997

Vice President and Manager, DataCenter Systems: October 1989 – April 1996

Responsible for:

- Preparation and administration of information system's operations budget
- Management of information systems staff of 60 individuals
- Coordination of information systems activities with bank operating departments
- Technology contract review and negotiation
- Planning and implementation of new technologies throughout the bank
- Developing and maintaining data security policy manual
- Maintenance, testing and test review of disaster contingency plan

## **May 1976 to October 1989**

### DataCenter Systems

First Vice President Unifirst: May 1988 – October 1989

Assistant Manager, DataCenter Systems

Manager Systems Planning: May 1981 – April 1988

Manager Systems & Programming: May 1978 – April 1981

Manager Application Systems: May 1976 – April 1978

- Managed programming staff of 14
- Monitored utilization of hardware and data communications resources
- Participated on DataCenter Steering Committee in project definition and system design

## **May 1971 to April 1976**

### Unifirst Bank for Savings,

Applications Analyst: May 1975 – April 1976

Senior Programmer: May 1973 – April 1975

Computer Programmer: May 1971 – April 1973

## **Business Affiliations:**

Project Management Professional (PMP)  
Project Management Institute, June 2008

Certified Public Manager (CPM)  
MS Certified Public Manager Program, June 2006

## **Education:**

B.S., Business Statistics and Data Processing, 1971  
Mississippi State University

# David L. Litchliter

David L. Litchliter has served as the Executive Director of the Mississippi Department of Information Technology Services for fifteen years. As CIO for the State of Mississippi, he is ultimately responsible for the planning, procurement, implementation, and support of all technology initiatives for the state.

Mr. Litchliter has over thirty-three years of experience in information systems and is a Certified Data Processor and a Certified Public Manager (CPM). He attended the United States Coast Guard Academy 1972-1974 and received a Bachelor of Science in Computer Science from the University of Southern Mississippi in 1976. He also attended the Stennis Executive Development Institute at Mississippi State University.

Mr. Litchliter is an active member of the National Association of State Chief Information Officers and has served as regional director on the executive board. He is a member of numerous commissions and task forces established by the Mississippi Legislature and by Executive Orders of the Governor including the Mississippi Wireless Communication Commission, the Mississippi Coordinating Council for Remote Sensing and Geographic Information Systems, the Task Force on Local Government Information Systems, the Council for Education Technology, the Board of the Mississippi Management Reporting System, the Mississippi Broadband Task Force, and the Mississippi Health Information Technology Task Force.

Current project initiatives include implementation of a statewide digital land mobile radio system to support state and local law enforcement and first responders, construction of a new State Data Center, implementation of a GIS clearinghouse for state and local government, participation in a six county health information exchange demonstration project on the Mississippi gulf coast, and procurement and implementation of a state government ERP.

## **Gray Swoope**

### **Executive Director, Mississippi Development Authority**

Appointed by Governor Haley Barbour in 2007 to lead the State's economic development efforts, Gray Swoope serves as the executive director of the Mississippi Development Authority (MDA). He joined MDA in 2004 bringing to the agency over 20 years of economic development experience including work on the local, regional and state levels in both Mississippi and Arkansas.

Gray and MDA have been instrumental in securing such projects as Toyota's eighth North American automotive manufacturing plant along with five tier-one suppliers; Severstal's steel mini mill; GE Aviation's composite jet engine parts facility; PACCAR's truck engine manufacturing plant; Automated Data Processing, Inc.'s solutions center, PSL-North America's pipe manufacturing and coating facility and ATK's composite commercial aviation facility. In addition, Gray has worked to expand and retain Mississippi businesses, such as Cooper Tire.

Gray oversees over 300 employees – providing services to businesses and communities throughout Mississippi ranging from traditional business recruitment and retention to developing unique Mississippi assets such as cultural heritage. Under Gray's leadership, the agency implements programs that address community development and housing, tourism, disaster recovery and energy, among other things. Gray oversees the agency's administration of the \$5.4 billion in federal Disaster Recovery CDBG funds Mississippi received after Hurricane Katrina and the implementation of economic recovery programs funded by the Housing and Economic Recovery Act of 2008 and the American Recovery and Reinvestment Act of 2009.

He received both his undergraduate and graduate degrees in business administration from Mississippi State University.

Gray leads the MDA team with the mantra of "changing lives and changing minds" in all that the agency does.

## CURRICULUM VITAE

**Name:** Jonathan Alexander Wilson

**Title:** Clinical Director of Emergency Services and  
Emergency Management Coordinator

**Licensure:** Registered Nurse, Mississippi, active  
License Number R859893

**Address:**  
Work: University Mississippi Medical Center  
2500 North State Street  
Jackson, MS 39216

Home: (b) (6)

**Phone:**  
Work: 601-815-6252

Home: (b) (6)

**Date of Birth:** (b) (6)

**Place of Birth:** (b) (6)

### EDUCATIONAL BACKGROUND:

May 1999 – Bachelor of Science in Nursing  
University of Mississippi School of Nursing  
Jackson, Mississippi

May 1996 – Associates Degree in Sciences  
Hinds Community College  
Raymond, Mississippi

### PROFESSIONAL EXPERIENCES:

Title: Clinical Director of Emergency Services,  
Emergency Management Coordinator  
Dates: December 2009 – Current  
Employer: University of Mississippi Medical Center  
Jackson, Mississippi  
Duties: Direct, coordinate, implement, and evaluate the operational and clinical services for an urban Emergency Department that serves as a tertiary care provider and a Level One Trauma Center – areas include Adult Emergency Department, Fast Track ED Clinic, Psychiatric Emergency Services, Mississippi Med-Com and Helicopter Transport; Collaborate with medical staff and various other disciplines and departments regarding operational and clinical issues; Direct and assist managers with the writing and implementation of policies and procedures; Develop and implement strategic plans for a rotor-wing critical care transport program (AirCare); Develop, direct and coordinate institutional emergency preparedness and response initiatives; Manage the institutional Emergency Operations Plan; Serve on various institutional and hospital committees.

Title: Clinical Director of Emergency Services  
Dates: May 2007 – December 2009  
Employer: University of Mississippi Medical Center  
Jackson, Mississippi  
Duties: Direct, coordinate, implement, and evaluate the operational and clinical services for an urban Emergency Department that serves as a tertiary care provider and a Level One Trauma Center – areas include Adult Emergency Department, Fast Track ED Clinic, Psychiatric Emergency Services, Mississippi Med-Com, Hospital Disaster Planning/Response, and Helicopter Transport; Coordinate recruiting, interviewing, and hiring of new employees; collaborate with medical staff and various other disciplines and departments regarding operational and clinical issues; Direct and assist managers with the writing and implementation of policies and procedures; Develop and implement strategic plans for a rotor-wing critical care transport program (AirCare); Serve on various institutional and hospital committees.

Title: Nursing Shift Supervisor  
Dates: June 2005 – May 2007  
Employer: University of Mississippi Medical Center  
Adult Emergency Department  
Jackson, Mississippi  
Duties: Supervised aspects of emergency nursing care in an urban Emergency Department that serves as a tertiary care provider and a Level One Trauma Center; designed staffing patterns and schedules; assisted nurse manager in recruiting, interviewing, and hiring of new employees; assisted nurse manager with the implementation of policies and procedures

Title: Community Healthcare Emergency Preparedness Site Assessor  
Dates: June 2006 – July 2007  
Employer: American College of Emergency Physicians  
Duties: The Office of State and Local Government Coordination and Preparedness of the U.S. Department of Homeland Security awarded the American College of Emergency Physicians a grant to develop and assess training for hospitals in several U.S. cities. The primary goal of the assessment and training is to improve the preparedness of the specific community's health care systems in the face of mass casualty incidents.

Title: Disaster Response Team Member  
Dates: August 30-31, 2006  
Employer: University of Mississippi Medical Center  
Duties: Volunteered as part of a forward deployment team from the University of Mississippi Medical Center to assist the Mississippi State Department of Health perform rapid need assessments of hospitals along the Mississippi Gulf Coast that were affected by Hurricane Katrina; performed on-site evaluations of multiple hospitals assessing their level of function (including operations, staffing, communications, power status, structural damage, etc.); collaborated with both civilian and military services to coordinate patient evacuations, logistical support, and search/rescue operations; reported field findings to the Mississippi State Department of Health officials to determine plan for deployment of disaster relief and medical assets.

Title: Senior Staff Nurse  
Dates: March 2001 - June 2005  
Employer: University of Mississippi Medical Center  
Adult Emergency Department  
Jackson, Mississippi  
Duties: Supervised nursing and ancillary staff during one shift of care in an urban Emergency Department that serves as a tertiary care provider and a Level One Trauma Center; made patient care assignments for nursing and ancillary staff; assisted with new employee orientation and ongoing educational programs

Title: Staff Nurse (Part Time)  
Dates: January 2005 - July 2005  
Employer: River Region Health Systems  
Vicksburg, Mississippi  
Duties: Assessed and developed plans of care for patients with acute and emergent conditions in a rural, Level Three Trauma Center.

Title: Organ Recovery Coordinator (Part Time)  
Dates: February 2002 - June 2003

Employer: Mississippi Organ Recovery Agency  
Flowood, Mississippi  
Duties: Directed and managed donor patients for recovery of organ systems for transplantation; performed family counseling and education regarding organ donation; performed in-depth medical and social histories; collaborated with multiple medical services to achieve optimal organ status; coordinated various organ procurement offices for placement and recovery of donor organ system(s).

Title: Mobile Intensive Care Transport Nurse (Part Time)

Dates: December 2001 - March 2003

Employer: American Medical Response  
Jackson, Mississippi

Duties: Provided independent advanced nursing care (within established protocols) to critical patients during ground transport; provided educational in-services to transport nurses and paramedics regarding transportation considerations of critically ill patients.

Title: Staff Nurse

Dates: June 1999 - March 2001

Employer: University of Mississippi Medical Center  
Jackson, Mississippi

Duties: Assessed and developed plans of care for patients with acute and emergent conditions in an urban Emergency Department that serves as a tertiary care provider and a Level One Trauma Center; preceptor of new nurses in employee orientation program; began full-time Charge Nurse duties in May 2000.

## **CERTIFICATIONS:**

Certified Emergency Nurse - Board of Certification for Emergency Nursing (2005)

Advanced Disaster Life Support, Instructor (2004)

Basic Disaster Life Support, Instructor (2004)

Advanced Disaster Life Support, Provider (2004)

Basic Disaster Life Support, Provider (2004)

Advanced Trauma Care for Nurses, Provider (2004)

Advanced Burn Life Support, Provider (2004)

Pediatric Advanced Life Support, Provider (2003)

Transport Nurse Advanced Trauma Course, Provider (2002)

Tactical Emergency Medical Support Course, Provider (2002)

Basic Trauma Life Support, Instructor (2002)

Pediatric Trauma Life Support, Instructor (2002)

Advanced Cardiac Life Support, Instructor (2001)

Pediatric Trauma Life Support, Provider (2000)

Trauma Nurse Core Course, Provider (1999)

Advanced Cardiac Life Support, Provider (1999)  
Basic Trauma Life Support, Provider (1999)  
Basic Cardiac Life Support, Provider (1996)

### **PROFESSIONAL CONTINUING EDUCATION:**

Hospital Incident Command System (HICS) Train the Trainer, Mississippi Hospital Association. December 18-19, 2008  
IS-100 Introduction to ICS, FEMA – Emergency Management Institute March 30, 2006.  
IS-200 ICS for Single Resources and Initial Action Incidents, FEMA – Emergency Management Institute. August 21, 2006.  
IS-300 Intermediate ICS for Expanding Incidents, FEMA – Emergency Management Institute June 19-20, 2007  
IS-700 National Incident Management System (NIMS), an Introduction, FEMA – Emergency Management Institute August 3, 2006.  
IS-800 National Response Plan (NRP), an Introduction, FEMA – Emergency Management Institute. August 3, 2006.  
First Receivers Course – Train the Trainer, Mississippi Department of Health March 28 and 29, 2006.  
Hospital Management of Chemical, Biological, Radiological/Nuclear, and Explosive (HM-CBRNE) Incidents Course – Sponsored by the United States Army Medical Research Institute of Chemical Defense August 15-18, 2005  
Trauma Update – Sponsored by the Department of General and Trauma Surgery, Grady Health Systems; Atlanta, Georgia. November 20-22, 2002

### **PROFESSIONAL PRESENTATIONS:**

“Nursing During Disasters”  
Presenter, Annual State Convention; Mississippi Association of Student Nurses, Biloxi, Mississippi; September 2009  
“Mississippi MED-1 and Mississippi Med-Com”  
Presenter, Mississippi All-Hazards Conference; Mississippi Emergency Management Agency; Biloxi, Mississippi; April 2009  
“Disaster Nursing”  
Presenter, Pediatric Update; The University of Mississippi School of Nursing, The University of Mississippi Medical Center; Jackson, Mississippi; April, 2009  
“Assessment of the Trauma Patient”  
Instructor, Paramedic Refresher Course; The University of Mississippi School of Health Related Professions, The University of Mississippi Medical Center; Jackson, Mississippi; October, 2006  
“Emergency Nursing - Where Lives Hang in the Balance”  
Guest Lecturer; The University of Mississippi School of Nursing, The University of Mississippi Medical Center; Jackson, Mississippi; September, 2006  
“Lessons Learned from Hurricane Katrina”

Continuous Survey Readiness (CSR) Regional Workshop; Jackson Hilton Hotel and Conference Center; Jackson, Mississippi; November, 2005  
“Life in the Fast Lane – The Emergency Nurse”  
Guest Lecturer; The University of Mississippi School of Nursing, The University of Mississippi Medical Center; Jackson, Mississippi; March, 2005  
“Diagnosis and Treatment of Pulmonary Emboli”  
AirCare Medical Conference; Jackson Medical Mall; Jackson, Mississippi; February, 2004

**PROFESSIONAL ACTIVITIES:**

Member of the EMS Advisory Council – Mississippi State Department of Health  
Member of the Public Health Emergency Preparedness Senior Advisory Committee – Mississippi State Department of Health  
Member of the Mississippi Trauma Advisory Committee – Mississippi Department of Health  
Chair of the EMS Rules and Regulations Committee – Mississippi Department of Health  
Mississippi Nurses Association, Active Member, 2007 - Present  
Air and Surface Transport Nurses Association, Active Member, 2002 - Present  
Emergency Nurses Association, Active Member, 1999 - Present  
2006 – Secretary/Treasurer of Greater Jackson Area Chapter of the Emergency Nurses Association  
2005 – Secretary/Treasurer of Greater Jackson Area Chapter of the Emergency Nurses Association  
2004 – Treasurer of Greater Jackson Area Chapter of the Emergency Nurses Association

**REFERENCES:**

Available upon request

## BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.  
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Fox, Karen C.	POSITION TITLE President and Chief Operating Officer, Delta Health Alliance, and Associate Professor, University of Mississippi Medical Center		
eRA COMMONS USER NAME kcfox			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Mississippi, Oxford, MS	BS	1985	Engineering
University of Memphis, Memphis, TN	MBA	1998	Business Administration
University of Tennessee Health Science Center	PhD	2004	Health Science Admin.

### A. Positions and Honors

#### Professional Experience

1987-1992 Manager, Customer Services, University of Tennessee Health Science Center, Memphis, TN  
1992-1996 Manager, Technology Support, University of Tennessee Health Science Center  
1996-1998 Assistant Director, Computer and Telecommunications, University of Tennessee Health Science Center  
1998-1999 Executive Director, C Computer and Telecommunications, University of Tennessee Health Science Center  
1999-2001 Assistant Vice President, Information Infrastructure, University of Tennessee Health Science Center  
2001-2006 Assistant Dean of Telehealth, College of Medicine, University of Tennessee Health Science Center  
2004-2006 Executive Director, Outreach Center for Healthcare Innovation and Community Outreach, University of Tennessee Health Science Center  
2005-2006 Vice Chancellor, Community Affairs, University of Tennessee Health Science Center  
2005-2006 Assistant Professor, Department of Preventive Medicine, College of Medicine, University of Tennessee Health Science Center  
2006-2008 Chief Operating Officer, Delta Health Alliance, Stoneville, MS  
2006-Present Associate Professor, University of Mississippi Medical Center, Jackson, MS  
2008-Present President and Chief Executive Officer, Delta Health Alliance, Stoneville, MS

#### Honors

Member, AHRQ Steering Committee, National Resource Center for Health Information Technology, 2005-present  
Chairperson, Southern Governors' Association Task Force on Bioterrorism, 2003  
Chairperson, Early Childhood Collaboration Oversight Committee

#### Professional Memberships

2001 – Present Member, Healthcare Information and Management Systems Society  
2001 – Present Member, American Telemedicine Association  
2001 – Present Member, National Rural Health Association  
2004 – Present Member, National Steering Committee of the Agency for Healthcare Research and Quality  
2003 – 2006 Tennessee Delegate, Delta Regional Authority Health and Economics Committee  
2003 – 2006 Policy Analyst, Southern Growth Policies Board  
2004 – Present Member, MIFA-Les Passees Center for Children and Families Visioning Committee  
2005 – Present Council Member, American Lung Association-Memphis Council  
2004 – Present Board Member, Regional Chapter – American Diabetes Association  
2007 – Present Mississippi Children's Justice Center Advisory Council  
2008 – Present Chairperson, Early Childhood Collaboration Oversight Committee

## B.1. Publications

1. **Fox, K**, Connor P, McCullers E, Waters T. "Effect of a behavioral and specialty care telemedicine program on goal attainment for youths in Juvenile detention," Journal of Telemedicine and Telecare 07-11-002, 2008.
2. **Fox, K**, "Making the Case: Telemedicine Can Improve the Health of Incarcerated Youth," Journal of Telemedicine and Telecare 08-RW-02, 2008 .
3. **Fox K**. "Timeliness and Access to Healthcare Services via Telemedicine for Adolescents in State Correctional Facilities," Journal of Adolescent Health 41 (2007) 161-167.
4. **Fox K**, Waters TM "Timeliness and Access to Care via Telemedicine for Youth in State Custody" Journal of Adolescent Health, February 2005 (Vol. 36, Issue 2, p. 121-122.)
5. **Fox K**, Somes G, Waters TM. "Kids in Custody: Providing Cost Savings in Caring for Adolescents in State Custody Through the Use of Telehealth Technologies and Restructured Referral Patterns," Journal of Correctional Health Care, September, 2006 12:3 DOI: 10.1177/1078345806292667
6. McCarthy D and **Fox K**, "Case Study: University of Tennessee Health Science Center's Telehealth Network," The Commonwealth Fund Quality Matters Newsletter, March 2006.
7. Dimmick SL, **Fox KC**, "The Promise of E-Therapy", Scientific American Mind, December 2005, No. 4.
8. Belew AC, **Fox KC**, Frolick MN, McQuaid B. "Moving from a Mainframe to a Web-Based Design," The Journal of Modern Business, September 2004.
9. **Fox K**. "Creating a Telehealth Network for Bioterrorism and Emergency Response: American Telemedicine Association White Paper," Commissioned by the Office for the Advancement of Telehealth, 2003.
10. **Fox K**. "Evolving Learning Environments," Journal of Computer Information Systems, Summer 2000, No.4.
11. **Fox K**. "Creating a Paperless Workflow," Information Systems Management, Spring 1999, Vol. 16, No. 2.

## B.2. Recent Presentations

1. Fox, K. "The Mississippi Delta: A Place of Paradox," Harlem Children's Zone Annual Conference, New York, New York, November 9-11, 2009.
2. Knaub-Hardy, K. "Delta Health Alliance" Featuring **Dr. Karen Fox**, HealthCare Executive Exchange, December 2009.
3. Morton L., Whitt AL., **Fox K.**, Fitch C., Hill T. "EHR Evaluation: Incorporating Grant Research into the Undergraduate Clinical Experience," American Health Information Management Association Annual Assembly on Education and Faculty Development Institute, Las Vegas, Nevada, July 27, 2009.
4. **Fox K**, "Addressing Disparities through Practice and Evidence," 20th National Conference on Chronic Disease Prevention and Control, National Harbor, Maryland, February 23, 2009.
5. **Fox K**, "EHR in an Ambulatory Setting," AHRQ Improving Quality of Care of Vulnerable Populations through Health IT. September 8, 2008.
6. **Fox K**, Ellen Jones, Anna Lyn Whitt, Marshall J. Bouldin, "Integrating Health Information Technology in the Delta: Promising Results from the Delta Diabetes Project," 2007 AHRQ Annual Meeting "Improving Health Care, Improving Lives," Bethesda, MD, September 26-28. (Poster)
7. **Fox K**. "Innovative Approaches to Delivering Healthcare to Underserved Communities," University of Alabama visiting professorship September 21-22, 2006
8. **Fox K**. "Meeting the Needs of Children in Tennessee Youth Development Centers," State of Tennessee Department of Children's Services, March 2, 2006
9. **Fox K**. "Home Telehealth: A New Approach to Meeting Health Care Needs," QSource Home Health Workshops, February 28, March 2, and March 7, 2006
10. **Fox K**. "Outcomes Research", 11<sup>th</sup> Annual Office for Advancement of Telehealth (OAT) Conference, January 30-31, 2006

## C. Research Support

## **Current Research**

U1FRH07411-01-05 (PI: Fox) 7/01/06 – 06/30/09 0.35 FTE  
HRSA/Office of Rural Health Policy \$24,216,191  
*Delta Health Initiative* – Serving as President and Chief Executive Officer  
The major goal of this project is to improve access to and quality of healthcare services in the Mississippi Delta region. Dr. Fox serves as COO/CFO for the Delta Health Alliance.

1 D60RH08555-01-00 (PI: Fox) 9/01/07 – 8/30/10 0.1 FTE  
DHHS/Office of Rural Health Policy \$531,235  
*TEAM Sugar-Free: Training, Education, Access and Management for Sugar-Free Life*  
The major goal of this project is to develop, implement and support an integrated, comprehensive and sustainable system of diabetes management and prevention across the Delta region through an alliance of local agencies.

1 R18 HS17233-01 (PI: Fox) 9/30/07 – 9/29/10 0.25 FTE  
AHRQ \$322,609  
*The BLUES Project: Improving Diabetes Outcomes in Mississippi with Health IT*  
The major goal of this project is to demonstrate the effects of diabetes management practices at four ambulatory clinics throughout Mississippi when utilizing well-designed, comprehensive health information technology.

1 D04RH12672-01 (PI:Fox) 6/1/09-4/30/10 0.1 FTE  
HRSA-ORHP \$150,000  
*Delta Community Health Outreach Worker Project*  
The goal of this project is to connect patients with a medical home and assist them in navigating medical services and systems as they seek treatment for chronic illness.

## **Completed Research (Select)**

No number (PI: Fox) 2007-2008  
DRA/Rural Community Advancement Program (RCAP)  
*Regional Electronic Health Records Project*  
This project seeks to provide additional equipment to support the infrastructure for 1) electronic health records at the Delta Regional Medical Center and the University of Mississippi Medical Center and 2) to establish a platform for record sharing across all health agencies of the Delta Health Alliance.

UC1 HS015437-01 Fox K (Co-PI) 2004-2007  
AHRQ, *Technology Exchange for Cancer Health Network (TECH-Net)*  
The Technology Exchange for Cancer Health Network is a collaborative multi-state effort to implement a systematic care program to improve cancer management in the rural communities of west Tennessee, north Mississippi and east Arkansas.

R073204024 Fox K (Co-PI) 2005-2007  
DOD, US Army Medical Research and Material Command, *Biomedical Information Technology (BIT) Network*  
To develop a wireless, mobile telemedicine system to be used to screen the eyes of under-served patients in rural and remote settings for common blinding diseases including diabetes and glaucoma and to help patients have better access to ophthalmologists.

467-MZ-401754 (R073204022) Fox K (PI) 2004-2006  
*National Library of Medicine, Health Disparities Database*  
The purpose of this project is to initiate the development of a database to test and demonstrate the feasibility and usefulness of an interactive web-based health disparities data map with a potential for national scalability.

NITA 47-60-01038 (R073204016) Fox K (PI) 2003-2006

Department of Commerce, *Technology Opportunities Program Mental Retardation and Developmental Disabilities Grant*

The purpose of this program is to provide healthcare and living support for deinstitutionalized developmentally disabled citizens.

USDA Tennessee 720-A17 (R073204014) Fox K (PI) 2003-2006

USDA, *RUS Mental Retardation and Developmental Disabilities Grant*

To provide interactive video phone network for MRDD patients, agencies focusing on providing healthcare and living support for deinstitutionalized mentally-retarded citizens.

ED-06-01981-00 (R073204031) Fox K (PI) 2005-2006

State of Tennessee Telemedicine Contract

To co-operatively support the provision of clinical services, health education and technical training to the residents of the (4) four youth development centers and the Adoption Center location at the former Tennessee Preparatory School.

ED-04-01329-00 (R073204030) Fox K (PI) 2005-2006

State of Tennessee Telemedicine Contract

To provide distance education programs for patients and providers to seven rural health departments and support of their tuberculosis initiatives.

1 D1BTH05856-01-00 (R073204028) Fox K (PI) 2005-2006

HRSA *Delta Health Partnership*

To implement and evaluate the impact of a new telehealth-based diabetes disease management program. This program consists of three main activities: (1) provide patient education; (2) conduct group visits; and (3) the establishment and maintenance a secure web-based electronic health record (EHR).

HSPS HP-01409-02 (R073204019) Fox K (PI) 2003-2005

HRSA, *Bioterrorism Education and Training Grant*

To establish, support and evaluate a state-wide education and training program to provide first responders, healthcare staff, and administrators with the skills, knowledge and training needed to deal with a public health emergency.

R073850044 Fox K (Co-PI) 2004-2005

Department of Health and Human Services, *Nurse Practitioner Use of Telehealth for Transplant Care*

The purpose of this grant is to combine the existing telehealth system with the Transplant Nurse Practitioner clinic in order to compare the patient outcomes between standard care and the telehealth intervention for this medically complex transplant population.

NAP Grant, R05-3520033 (R073204013) Fox K (PI) 2003-2004

FNS, *Nutrition Education for Food Stamp Recipients*

To provide and evaluate the effectiveness of distance education to food stamp recipients that will. Assist adoption of healthy eating and active lifestyles that are consistent with Dietary Guidelines for Americans and the Food Guide Pyramid. Insure families have enough to eat without resorting to emergency food assistance. Improve safe handling, preparation and storage of food. Enhance practices related to thrifty shopping and preparation of nutritious foods.

R073204005 Fox K (PI) 2001-2005

Department of Commerce, *Technology Opportunities Program-Dental/Ophthalmology Grant*

The purpose of this project is to provide mobile access to a variety of dental and ophthalmology specialty and diagnostic services previously unavailable or difficult to access in the rural communities of western Tennessee

H2ATH00309-03-06 (R073204007) Fox K (PI) 2000-2004

Office for the Advance of Telemedicine, *Rural Telemedicine Initiative Grant*

To establish and evaluate six telehealth connections to rural hospitals across West Tennessee, providing access to specialty services and distance education.

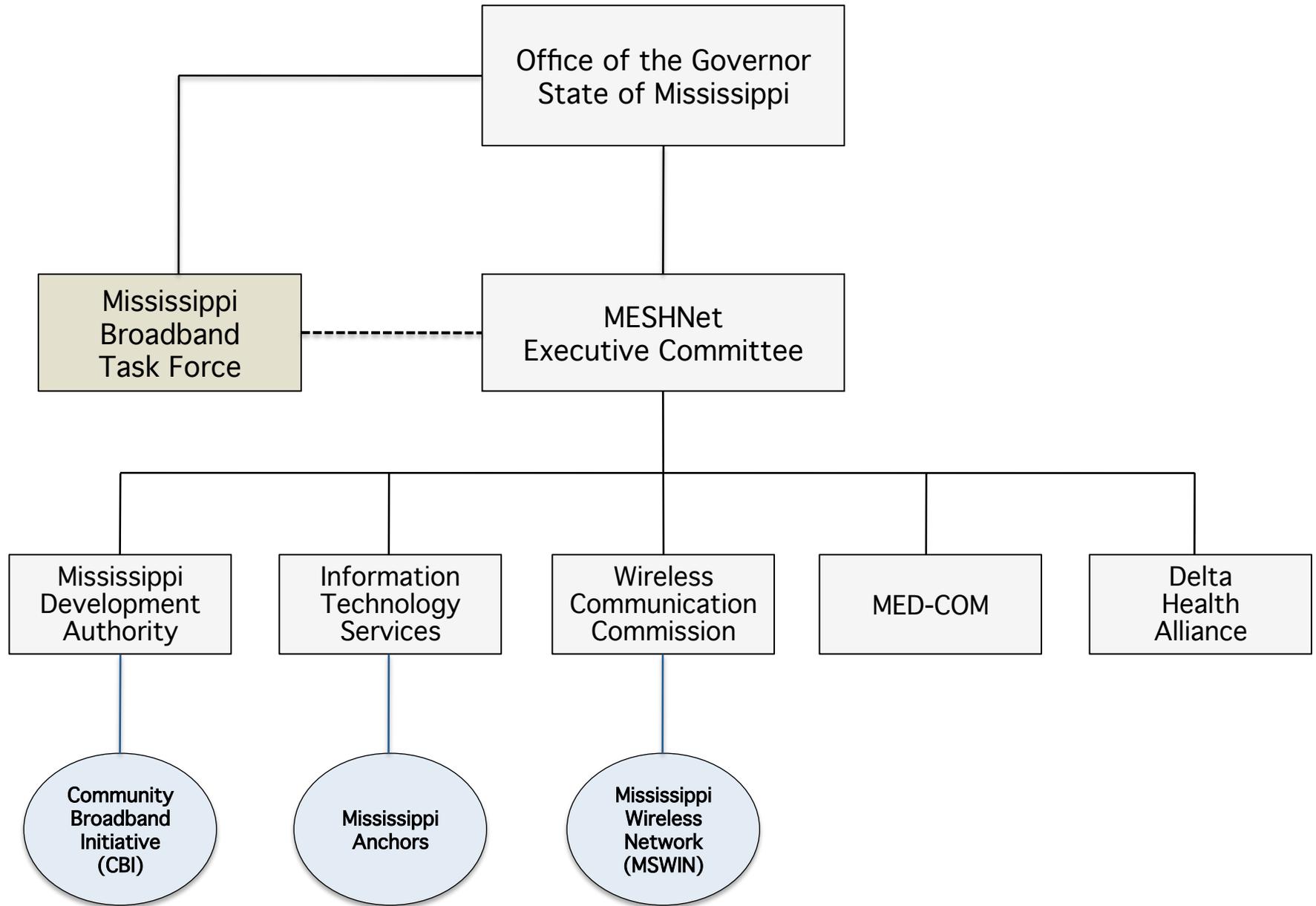
R073204002

Fox K (PI)

2001-2003

*USDA, Children in Need Telemedicine Grant*

To create a video conference network between UTHSC and five of the TN Youth Development Centers and evaluate the effectiveness of clinical telehealth services and distance education to this isolated population.



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**U.S. Department of Commerce  
Broadband Technology Opportunities Program  
Authentication and Certifications**

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1. I certify that I am the duly Authorized Organization Representative (AOR) of the applicant organization, and that I have been authorized to submit the attached application on its behalf.
2. I certify that I have examined this application, that all of the information and responses in this application, including certifications, and forms submitted, all of which are part of this grant application, are material representations of fact and true and correct to the best of my knowledge, that the entity(ies) that is requesting grant funding pursuant to this application and any subgrantees and subcontractors will comply with the terms, conditions, purposes, and federal requirements of the grant program; that no kickbacks were paid to anyone; and that a false, fictitious, or fraudulent statements or claims on this application are grounds for denial or termination of a grant award, and/or possible punishment by a fine or imprisonment as provided in 18 U.S.C. §1001 and civil violations of the False Claims Act.
3. I certify that the entity(ies) I represent has and will comply with all applicable federal, state, and local laws, rules, regulations, ordinances, codes, orders and programmatic rules and requirements relating to the project. I acknowledge that failure to do so may result in rejection or deobligation of the grant or loan award. I acknowledge that failure to comply with all federal and program rules could result in civil or criminal prosecution by the appropriate law enforcement authorities.
4. I certify that the entity(ies) I represent has and will comply with all applicable administrative and federal statutory, regulatory, and policy requirements set forth in the Department of Commerce Pre-Award Notification Requirements for Grants and Cooperative Agreements ("DOC Pre-Award Notification"), published in the Federal Register on February 11, 2008 (73 FR 7696), as amended; DOC Financial Assistance Standard Terms and Conditions (Mar. 8, 2009); the Department of Commerce American Recovery and Reinvestment Act Award Terms (Apr. 9, 2009); and any Special Award Terms and Conditions that are included by the Grants Officer in the award.
5. I certify that any funds awarded to the entity(ies) I represent as a result of this application will not result in any unjust enrichment of such entity(ies) or duplicate any funds such entity(ies) receives under federal universal service support programs administered by the Universal Service Administrative Corporation (USAC).
6. I certify that the entity(ies) I represent has secured access to pay the 20% of total project cost or has petitioned the Assistant Secretary of NTIA for a waiver of the matching requirement.

3/26/10

Date

Paul Hurst  
Authorized Organization Representative Signature

Paul Hurst  
Print Name

Chief of Staff  
Title

# BUTLER | SNOW

March 22, 2010

*VIA FEDERAL EXPRESS*

Marlene H. Dortch, Secretary  
Federal Communications Commission  
Office of the Secretary  
9300 East Hampton Drive  
Capitol Heights, MD 20743

Re: Petition / Request for Waiver by the Mississippi Wireless Communication  
Commission  
Public Safety and Homeland Security Bureau Docket No. 06-229

Dear Ms. Dortch:

On behalf of the Mississippi Wireless Communication Commission, an Agency of the State of Mississippi, please find the original and four (4) copies of a Request for Waiver, submitted for filing in PS Docket No. 06-229. Please let me know if you have any questions or need further information.

Sincerely,

BUTLER, SNOW, O'MARA, STEVENS & CANNADA, PLLC



Mark W. Garriga

Enclosures

cc: Christopher B. Epps (w/enc.)  
David L. Litchlitter (w/enc.)  
Bill Roach (w/enc.)  
Serena Clark (w/enc.)  
Nicole Stofer (w/enc.)

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BUTLER, SNOW, O'MARA, STEVENS & CANNADA, PLLC

**Before the  
Federal Communications Commission  
Washington, D.C. 20554**

In the Matter of	)	
	)	
Petition by the Mississippi	)	
Wireless Communication Commission,	)	
An Agency of the State of Mississippi,	)	
for Waiver of the Commission's Rules Regarding a	)	
700 MHz Public	)	PS Docket No. 06-229
Safety Interoperable Broadband Network	)	
	)	
	)	

**REQUEST FOR WAIVER**

Pursuant to Section 1.925(b) of the Rules of the Federal Communications Commission (the "Commission"),<sup>1</sup> the Mississippi Wireless Communication Commission (alternately, "MWCC"), an agency of the State of Mississippi, respectfully requests that the Commission grant a waiver of its 700 MHz public safety early deployment rules to enable the construction and operation of a 700 MHz interoperable public safety broadband network within the State of Mississippi. This request seeks a waiver(s) from the Commission that would allow the State of Mississippi to utilize the public safety broadband spectrum licensed to the Public Safety Spectrum Trust (763-768 MHz and 793-798 MHz) and the spectrum adjacent to the public safety broadband spectrum known as the 700 MHz "D Block." The requested waiver will serve the public interest by improving communications for first responders through the deployment of broadband public safety communications in the State of Mississippi, to complement a statewide wireless system already under construction. This improved system, in turn, would have the

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<sup>1</sup> 47 C.F.R. § 1.925(b).

capability of functioning as an integral part of the nationwide interoperable public safety broadband system envisioned by the Commission.

## I. BACKGROUND

Section 25-53-171 of the Mississippi Code established the Mississippi Wireless Communication Commission, to ensure that critical personnel have effective communications services available in emergency situations. The enabling legislation specifically directs the MWCC to implement a statewide wireless communications system for state and local governments that enables interoperability between various wireless communications technologies.<sup>2</sup> The MWCC is further tasked with the responsibility for approving all wireless communication purchases within the state and for setting forth rules and regulations governing these purchases.<sup>3</sup>

The State of Mississippi regards the establishment of an interoperable public safety broadband network as a critical need for its first responders and, pending approval of the instant request for waiver, is planning for the deployment of such a network as quickly as possible in the 700 MHz public safety broadband spectrum. The proposed broadband network would be built in conjunction with the construction of the Mississippi Wireless Information Network (“MSWIN”), an ongoing project described in more detail below. The State of Mississippi is applying for American Recovery and Reinvestment Act funding in support of the broadband data addition to MSWIN.

Grant of the instant request will allow first responders in the State to quickly utilize the benefits of public safety broadband services while the Commission and other stakeholders work through the issues remaining to be resolved in the pending proceeding considering a shared

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<sup>2</sup> See Miss. Code Ann. § 25-53-171(4)(a).

<sup>3</sup> *Id.* at sect. 4(i).

commercial/public safety approach in the 700 MHz band. The MSWIN would meet both the technical specifications the Commission has proposed for the public safety system and be capable of integration into any shared commercial/public safety network (the "Shared Wireless Broadband Network") that may ultimately be established by the Commission. As they are currently written, the Commission's 700 MHz rules do not permit early deployment by the State at this time.

Through the passage of the American Recovery and Reinvestment Act of 2009, Congress made available over \$7 billion of Federal funds for broadband deployment. One of the goals of this program is to "improve access to, and use of, broadband service by public safety agencies."<sup>4</sup> Grant of the requested waiver would be consistent with Congress' goal of expanding broadband services in the public safety arena.

A waiver is appropriate in the present case because: (1) the underlying purpose of the Commission's rules Implementing a Nationwide, Broadband, Interoperable Public Safety Network in the 700 MHz Band, would be frustrated by application to the instant case; and (2) the grant of this requested waiver would be in the public interest.<sup>5</sup>

## II. THE UNDERLYING PURPOSE OF THE COMMISSION'S RULES WOULD BE FRUSTRATED UNLESS MISSISSIPPI'S WIRELESS INFORMATION NETWORK IS GRANTED A WAIVER

Despite the Commission's efforts, achievement of a 700 MHz Public/Private Partnership for interoperable public safety broadband communications throughout the United States remains a distant goal. As a result, states like Mississippi lack a clear path to achieving interoperable public safety broadband communications. Although proposed revised rules indicate the

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<sup>4</sup> American Recovery and Reinvestment Act, Pub. L. No. 111-5, § 6001(b)(4) (2009).

<sup>5</sup> See 47 C.F.R. § 1.925(b)(3) (Commission may grant waiver under certain conditions).

Commission's willingness to press forward with some form of Public-Private Partnership,<sup>6</sup> it is unclear whether a future auction of the Upper 700 MHz D Block, if held, will succeed.<sup>7 8</sup>

Because Mississippi is one of the least densely populated states in the nation, commercial providers face significant economic challenges in serving the rural areas of the State. As a result, government involvement is essential to the early build out and deployment of a 700 MHz broadband public safety system to meet the critical needs of public safety users in these rural regions.

The MWCC is charged with the responsibility of promoting the efficient use of public resources to ensure that law enforcement personnel and essential public health and safety personnel have effective communications services available in emergency situations, and to ensure the rapid restoration of such communications services in the event of disruption caused by natural disaster, terrorist attack or other public emergency.<sup>9</sup> Since its inception the MWCC has worked with federal, state and local authorities to establish or improve interoperability and encourage system planning of all public safety communications systems. It has also strived to ensure federal/state communications rules and regulations are followed.

The State of Mississippi is deploying the MSWIN, a public safety wireless network to support state and local police, firefighters and rescue/emergency medical service workers. Use of the 700 MHz band for broadband, because of the 700 MHz band's superior propagation

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<sup>6</sup> See Service Rules for the 698-746, 747-762 and 777-792 MHz Bands; Implementing a Nationwide, Broadband, Interoperable Public Safety Network in the 700 MHz Band, WT Docket No. 06-150 and PS Docket No. 06-229, Third Further Notice of Proposed Rulemaking, FCC 08-230 (rel. Sept, 25, 2008) ("Third Further Notice").

<sup>7</sup> The Commission's current 700 MHz rules reserve to the Upper 700 MHz D Block licensee "the exclusive right to build and operate the Shared Wireless Broadband Network." 47 C.F.R. §§ 27.1330; *see also* 47 C.F.R. § 90.1430(a).

<sup>8</sup> There are two exceptions to the general rule, which allow local public safety entities, with the approval of the Public Safety Broadband Licensee ("PSBL"), to construct broadband networks at their own expense: (1) in areas where the Upper 700 MHz D Block licensee has committed in a Network Sharing Agreement to build out a network by a certain (later) date, and (2) in areas where the Upper 700 MHz D Block licensee is not required by a Network Sharing Agreement to build out. *See* 47 C.F.R. § 27.1330(b). In addition, the Commission's rules require the early build-out must be transferred to or operated by the D Block Licensee. *Id.* at sect. (b)(1).

<sup>9</sup> *See* Miss. Code Ann. § 25-53-171.

characteristics, would allow Mississippi to achieve greater interoperability and cost effectiveness, and could increase the data coverage area over which public safety entities could communicate.

The Mississippi Department of Information Technology Services (ITS), the fiscal agent for the MWCC, issued Request for Proposals (RFP) 3429 on March 2, 2006, for the acquisition of a turn-key statewide wireless voice and data capable infrastructure system. This system, when completed, will provide all system participants a public-safety grade, statewide, interoperable, seamless roaming radio system. On November 2, 2006, both the WCC and the ITS Board approved the selection of Motorola, Inc. as the lowest and best vendor responding to the RFP, at a total 15-year life cycle cost of \$220,835,956.76. ITS and the MWCC executed a contract on behalf of the State with this vendor on June 29, 2007. Through Department of Justice and Department of Homeland Security grants and Mississippi bond issues, the MWCC has secured funding to fully implement MSWIN.

Construction and deployment of the MSWIN is progressing rapidly. When completed, the system will provide mobile radio coverage to 97% of the State's land area. Motorola and the State are in the process of building approximately 135 trunked radio repeater towers. An additional 9 towers are proposed to support dispatch centers. Each tower site will be equipped with an equipment shelter, emergency power system, network equipment and redundant site controllers. In accordance with the State's requirements, the vendor has provided three radio repeater sites on wheels that can be used to restore the wide area functionality of the system infrastructure anywhere in the state when it is damaged or destroyed. The State of Mississippi plans to utilize this tower and microwave infrastructure for the implementation of Broadband data if granted the Waiver.

The MWCC began construction on the Mississippi Gulf Coast and proceeded north. Fifty-six of the 144 tower locations are complete, equipped with electronics, and will be in full operation in April 2010. Construction is underway on six sites and Site Due Diligence (leasing, zoning, permitting, FAA approval, National Environmental Protection Act (NEPA) assessment, etc.) is nearing completion on the next 18 sites in Phase 2, the central part of the state. Options to lease land have been obtained on the remaining 64 sites in upper central and North Mississippi and Due Diligence efforts have begun. The MWCC expects the statewide system to be completed around December 2011. All sites constructed or leased provide for one-hundred percent growth in antenna/dish attachments. The MWCC will utilize part of this reserve capacity to accommodate the 700 MHz Broadband data implementation.

With the expanding role of public safety in protecting life and property and guarding of homeland security, there is an ever-increasing need for public safety to have access to state-of-the-art wireless communications. Broadband access has come to play an ever greater role in the daily lives of citizens, businesses and government to the point where access to broadband applications are essential to getting things done.

Public safety does not yet have access to state-of-the-art broadband applications to support mission critical functions, in large part because the spectrum resources needed to run those applications are not readily available. Mississippi is eager to deploy a broadband network to better serve and protect Mississippians. Use of the 700 MHz band for this network would allow for expanded coverage given the enhanced reach and penetration of the 700MHz spectrum, and would maximize the beneficial impact of broadband access for our local police, fire, emergency medical services, and other critical system users, potentially to include transportation personnel, corrections personnel, emergency officials, and others.

Gaining access to the 700 MHz public safety broadband spectrum will allow Mississippi to deploy a statewide wireless broadband data network, which will expedite high-speed mobile data IP connectivity to the state's existing network, satisfying the interests of public safety responders. A broadband network will support applications that are too bandwidth intensive for existing narrowband data technologies. Certain time-intensive tasks such as database lookups and dispatch messaging could be offloaded to the broadband network, freeing up capacity on the narrowband voice systems. Officer efficiency would be enhanced by the ability to access databases as well as to access and complete forms while deployed in their respective jurisdictions, including duties performed while officers are on routine patrol, or on-scene deployments at a crime scene, fire scene, or the site of any natural or man-made disaster.

At present, the State must rely very heavily on its public safety voice radio network. Although the State of Mississippi and many local entities presently obtain service from commercial broadband wireless data network service providers, these networks generally have sufficient RF coverage to provide network connectivity to emergency responders in *only* the most populated parts of the state. In areas not served by the commercial wireless networks, on-scene responders must transmit and receive crucial information through the voice radio network. This limits the amount of information available to an Incident Commander making split-second life-or-death decisions during an emergency. Moreover, the reliability of a commercial network both during and after weather-related emergencies is uncertain since these networks may have been damaged or destroyed.

The State's 700 MHz public safety broadband network will satisfy all of the technical requirements the FCC and/or the Public Safety Spectrum Trust (holder of the Public Safety Broadband License) may adopt for the national network. The State's network will be designed

and built to be fully interoperable with the future national network and authorized users of the national network will be allowed access to Mississippi's local portion of the network. Accordingly, grant of Mississippi's waiver will further the goal of constructing a single national public safety wireless broadband network.

The MSWIN will serve as a robust platform for the Shared Wireless Broadband Network, capable of being integrated into any eventual shared network regardless of the technology chosen. This new infrastructure will enable state agencies and local entities that join to conduct voice dispatch and field operations autonomously. A broadband component would be a significant compliment to this important public safety infrastructure. Enforcement of the current rules would frustrate the underlying purpose of Commission's initiative to establish a nationwide, broadband, interoperable Public Safety Network in the 700 MHz Band.

### III. THE GRANT OF THE REQUESTED WAIVER WOULD BE IN THE PUBLIC INTEREST

The deployment of a nationwide network from which local public safety entities can obtain broadband services is likely years away. The State of Mississippi is willing to commit resources to bridge this gap so that its first responders can utilize broadband technology to protect life and property immediately. Indeed, the State's commitment of over \$200 million for the construction of the MSWIN is proof positive of the State's desire and ability to serve this important public interest.

The public interest would be served in many ways, including the enhanced technological support that a broadband system in conjunction with the MSWIN can offer. For example, the Mississippi MED-COM operation, a centralized and coordinated ED/EMS communications center located at the University of Mississippi Medical Center (UMMC) in Jackson, is designed to improve communications efficiency and increase access for emergency medical responders. The MED-COM's high-tech situation room alerts hospitals to stand-down or stand-up in a mass

casualty incident, and allows emergency management personnel to communicate, through MSWIN, with public service agencies around the state. Because the center is centrally located in the state's capital city, vital information is disseminated efficiently, using various mediums to reach all emergency service providers and hospitals in real time. MSWIN broadband capability would allow this statewide wireless network to serve as a platform for enhanced video and data transmissions to/from ambulances operating around the state.

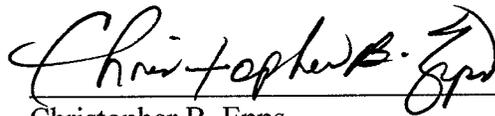
While we wait for a shared commercial/public safety network to be developed, the public interest requires that local authorities, like the MWCC, be allowed to deploy their own interoperable, broadband public safety communications networks. In these unique circumstances, waiver of the rules limiting such deployment to the Upper 700 MHz D Block licensee will clearly serve the public interest.

#### IV. CONCLUSION

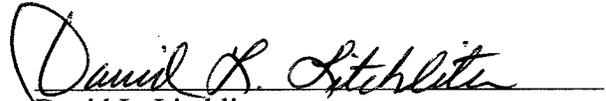
The Commission would significantly advance the cause of public safety by allowing the State of Mississippi to deploy its own public safety broadband network that could operate until a Shared Wireless Broadband Network can be established. The State stands ready to begin deployment of life-saving broadband services, and respectfully requests that the Commission promptly allow it to begin by granting the waiver as requested herein.

This the 22<sup>nd</sup> day of March, 2010.

Respectfully submitted,



Christopher B. Epps  
Chairman  
Mississippi Wireless Communication  
Commission

A handwritten signature in black ink, reading "David L. Litchliter", written over a horizontal line.

David L. Litchliter  
Executive Director  
Mississippi Department of Information  
Technology Services

Jackson 4920457v4