

# Kurt DeMaagd

## Management Experience Bio

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### Education

2002-2006 Ph.D. Business Administration  
Ross School of Business  
University of Michigan, Ann Arbor, MI

1996-1999 BS, Computer Science  
Hope College, Holland, MI

### Relevant Work Experience

2006-Present Assistant Professor  
Michigan State University  
East Lansing, MI

2001-Present Director  
Cepstral  
Pittsburgh, PA

2000-Present Vice-President and Treasurer  
The Perl Foundation  
Ann Arbor, MI

1998-2001 Co-founder, General Manager  
Blockstackers (Slashdot.org)  
Holland, MI

### Select Related Publications

Bauer, J, K. DeMaagd (2008). Network Management Practices and Sector Performance: A Genetic Programming Approach. Telecommunications Policy and Research Conference. Washington, D.C.

DeMaagd, K., S. Moore (2007). Comparing Models of IT and Economic Growth: And Empirical Investigation. ACM/IEEE Conference on Information and Communication Technology and Development. Bangalore, India.

DeMaagd, K, S. Moore (2007). The Relative Value of IT Investments. 3<sup>rd</sup> International Conference on Communities and Technologies, Workshop on ICT for Business Clusters in Emerging Markets.

### Management Qualifications

- General manager of multi-million dollar business
- Managed teams of software developers and graphics designers
- Manage teams of students deploying broadband in rural Africa
- Leader of MSU's IT Development initiative
- Sit on the board of directors of two IT companies

Note: due to the size and complexity of the MSU organizational structure, only the direct project team is listed here. In context, Dr. DeMaagd reports to Dr. Charles Steinfield, Chair of the Department of Telecommunication, Information Studies and Media, who then reports to Pamela Whitten, Dean of the College of Communication Arts and Sciences.

## Organizational Chart

Kurt DeMaagd – Project Leader

Michigan State University ICTD faculty members (to help train the students for their fieldwork)

*Student Interns*

Sheryl Mase, Library of Michigan

*Individual library representatives*

Bonnie Pelto, Marquette Housing Commission

*Public Housing facility representatives*

Broadband Advisory Committee

*Dr. Johannes Bauer*

*Dr. Clifford Lampe*

*Dr. Robert Larose*

*Dr. Charles Steinfield*

*Dr. Pam Whitten*

*Dr. Steve Wildman*



STATE OF MICHIGAN  
DEPARTMENT OF INFORMATION TECHNOLOGY  
LANSING



JENNIFER M. GRANHOLM  
GOVERNOR

August 11, 2009

Pamela Whitten, PhD, Dean  
College of Communication Arts and Sciences  
Michigan State University  
287 Communication Arts and Sciences Building  
East Lansing, Michigan 48824

Dear Dr. Whitten:

On behalf of the State of Michigan, I commend Michigan State University (MSU) for its involvement in advancing the goals of Michigan for broadband in the state. At my request, MSU has prepared state-wide proposals in alignment with the state's broadband vision through its BTOP Computer Center and Sustainable Adoption proposals.

The two MSU proposals will serve a diverse group of Michigan residents and specifically address the challenges faced in our state. They creatively address our structural unemployment challenges using broadband as both a platform for delivering job-retraining materials and as a business growth opportunity itself. In addition, they focus on rural community development, local content, youth education, entrepreneurship and healthcare that will serve many groups who have previously been underserved by broadband infrastructure. The proposals have the support of our broadband providers, economic development organizations, schools, libraries, and other public service institutions.

The State of Michigan would like to take this moment to acknowledge MSU's work in extending the reach of broadband to Michigan's unserved and underserved areas. We are excited to support its proposals.

In the unfolding era of an online, service-driven world, a robust communications and Internet infrastructure is critical. The deployment of broadband services will play an important role in the nation's and Michigan's economic resurgence. Thank you for your leadership in this effort.

Sincerely,

Kenneth D. Theis  
Director and CIO



JENNIFER GRANHOLM  
GOVERNOR

STATE OF MICHIGAN  
DEPARTMENT OF HISTORY, ARTS AND LIBRARIES  
LANSING

MARK HOFFMAN  
ACTING DIRECTOR

August 12, 2009

The Honorable Lawrence E. Strickling  
Assistant Secretary for Communications and Information  
U.S. Department of Commerce  
1401 Constitution Ave., NW  
Washington, DC 20230

Dear Assistant Secretary Strickling:

I am writing on behalf of the Library of Michigan regarding our collaboration with Michigan State University on the BTOP Computer Center and Sustainable Adoption proposals. We are coordinating the efforts of Michigan's libraries to enhance their computer center capacity, develop additional online content, and provide additional local training resources.

Each library is contributing its proportionate share of the cash match for the computer centers and is also providing in-kind salary matching from their staff supporting the computer maintenance and training classes for the adoption proposal. In addition, libraries across the state, in recognition of the fundamental role that computers play in the mission of the modern library, now include technology maintenance in their regular budget process, helping to ensure the sustainability of these investments.

We are excited by this opportunity to work with Michigan State University on its computer center proposal and sustainable adoption proposal. We feel it will greatly increase the capacity for Michigan's libraries to deliver broadband access and content to the citizens of Michigan.

Sincerely,

Sheryl L. Mase  
Director, Statewide Services  
Library of Michigan

AUG-12-2009 11:30 AM

P. 02/02



## MARQUETTE HOUSING COMMISSION

316 Pine Street Marquette, Michigan 49855 (906) 226-7559

August 12, 2009

Kurt DeMaagd  
Assistant Professor  
Telecom, Info Studies and Media  
Michigan State University  
Lansing, MI. 498555

Dear Mr. DeMaagd:

We fully support your efforts in developing computer centers and sustainable broadband adoption grant proposals as part of the ARRA broadband stimulus funding. And we are excited to be a part of that proposal. Our client base is all low income families, elderly and persons with disabilities. It will allow them to access services related to government, employment, health, job training and education, it will serve unserved and underserved populations. It will serve the general public, specifically vulnerable populations such as low-income, unemployed, seniors, children, minorities and people with disabilities. These computers would be located in two different neighborhoods in the City of Marquette.

You have our full support.

Sincerely,  
Marquette Housing Commission

A handwritten signature in cursive script that reads "Bonnie J. Pelto".

Bonnie J. Pelto  
Executive Director



Otsego County  
LIBRARY

www.otsego.lib.mi.us

MAIN LIBRARY  
700 South Otsego Ave.  
Gaylord, MI 49735  
989-732-5841  
Fax: 989-732-9401

JOHANNESBURG BRANCH  
10900 East M-32  
Johannesburg, MI 49751  
989-732-3928  
Fax: 989-731-3365

VANDERBILT BRANCH  
8170 Mill Street  
Vanderbilt, MI 49795  
989-983-3600  
Fax: 989-983-3105

August 10, 2009

Sheryl L. Mase  
Director, Statewide Services  
Library of Michigan  
702 West Kalamazoo/P.O. Box 30007  
Lansing, MI 48909-7507

Dear Sheryl,

Thank you for the opportunity to express our strong support for the statewide application for ARRA funds to enhance public access computing centers. Our public library has been providing Internet access since 1994 and computer use has increased substantially every year -- last year we registered 38,488 persons on our public access computers.

Our rural county library system serves a year-round population of 23,301 covering 515 square miles. Our local economy has been spiraling downward since 2004, with the loss of several hundred jobs from the closing of our two largest manufacturers. Additionally, the decline in tourism has adversely affected us in northern Michigan. Unemployment in Otsego County currently stands at 14.9% (MI Dept. of Labor and Economic Growth, 7/23/09), much higher than the U.S. rate of 9.5%. The number of families in poverty has risen to 12.9% (U.S. Census Quick Facts, 7/10/09), up more than 3 per cent from 2007 estimates. Some areas of our county have even higher numbers of low-income families; for example, over 60% of the children in Vanderbilt Area Schools are eligible for reduced school lunches.

As Michigan's economy has suffered, the Otsego County Library has stepped up efforts to assist individuals and businesses with:

- Computer/Internet training classes for general public and in partnership with Michigan Works!, local homeless shelter, Otsego County Commission on Aging and County of Otsego to improve computer literacy and upgrade job skills
- Assistance in applying for unemployment
- Help with job searching and job applications
- Assistance in creating resumes
- Foreclosure avoidance packets
- State and federal tax forms and submission

- Partnering with Otsego County Economic Alliance to offer business resources

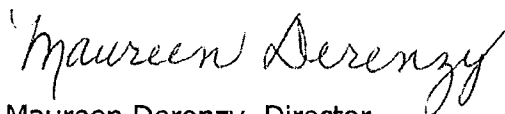
Our computer classes are very popular and fill up as fast as they are announced. Last year we offered 61 sessions and trained 451 people. Since we do not have a separate training lab, there is no public computer access when classes are in session. The solution to this problem is to purchase laptop computers for in-library wireless use as well as for computer/Internet training in the general meeting room.

While we are committed to serving as a public computing and training center, current budget limitations hamper our ability to purchase all the additional computers needed NOW to meet higher demands due to this poor economy. The ARRA grant would allow us to replace aging computers and add workstations to alleviate waiting lists so that the public will have ready access to the equipment and resources they need to succeed in school, compete in a tight job market, or find business opportunities that will stimulate our local economy and create new jobs.

The Otsego County Library is requesting 22 computers and can manage a cash match of \$5,500 from this year's budget, as well as in-kind technology staff expenditures estimated at \$51,791. Our technology plan accounts for maintenance of hardware, software and other services associated with public computers and our budgets include a line item for equipment repair/maintenance. If our request for additional computers is approved, the Otsego County Library can and will keep them in good working order so that our citizens will benefit.

Again, thank you for allowing us to participate.

Sincerely,



Maureen Derenzy, Director  
Otsego County Library

# *Superiorland Library Cooperative*

*1615 Presque Isle Avenue*

*Marquette, MI 49855*

v: (906) 228-7697

f: (906) 228-5627

August 12, 2009

Subject: Broadband Technology Opportunities Program

To Whom It May Concern:

The Superiorland Library Cooperative heartily supports the BTOP application being submitted by Kurt DeMaagd of the Michigan State University, who is coordinating the efforts of Michigan's libraries to enhance their computer center capacity. Our cooperative service area includes thirty-six public libraries in northern rural Michigan.

In conjunction with the Public Computer Center proposal, each library will provide the required cost share and in-kind match necessary for the grant, and each will have public access computing as a line item in their budgets for future years for sustainability.

In this time of economic decline, we have found the library to be an essential resource for people needing access to computers in order to file for unemployment, create resumes, apply for jobs online, find government assistance programs, and so much more. The public libraries in our cooperative provide access to the Michigan eLibrary with its myriad of licensed databases that assist job seekers, small business owners, students and teachers. They provide access to consumer health information; practice tests for civil service exams, the GED, SAT, and ACT; online courses via distance education, and more. They offer programs for all ages, including training on computer use for a variety of purposes.

I support this application on behalf of the public libraries in our cooperative. Many individuals in our service area have no other access to a computer or the Internet.

Sincerely,

Suzanne Dees, Director





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# VAN BUREN DISTRICT LIBRARY

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200 N. PHELPS ST., DECATUR, MI 49045/PHONE 269-423-4771/FAX 269-423-8373  
DAVID TATE, DIRECTOR

August 10, 2009

Sheryl L. Mase  
Director, Statewide Services  
Library of Michigan  
702 W. Kalamazoo  
Lansing, MI 48909-7507

The Van Buren District Library is pleased to support the State of Michigan stimulus grant application for public computing and broadband service by requesting 24 public access computers (\$24,000) for our library system. Attached is a copy of our worksheet outlining our requests by branch library facility.

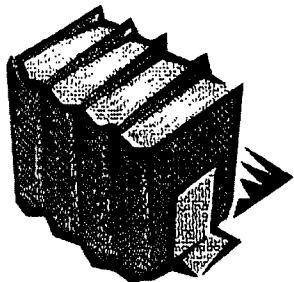
The Van Buren District Library is struggling, like most libraries, to meet the growing demand for high speed internet services by the public. All of our locations report that their public access computers are in continuous use each day. Our county is in a very high unemployment area of the state, and the state requires applicants to file for claims online. Fortunately, we have the necessary staff and resources to maintain our present number of computers; we just need help to add computers to meet the increased demand.

Public libraries are at the forefront in providing job information, resource sharing, distance learning, and business start-up training to the public. Many online resources are also available to assist library patrons in these critical areas of research. These additional public access computers would allow us to continue and expand these vital services.

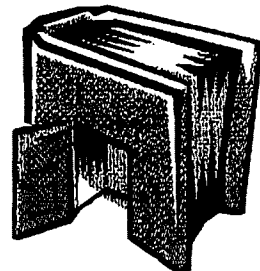
Please give serious consideration to the Van Buren District Library request for assistance. It would bring many positive changes to our rural area.

Sincerely,

David Tate  
Director



**Mid-Michigan Library League**



**210 1/2 N. Mitchell, Cadillac, Michigan 49601**  
**Phone: 231-775-3037 Fax: 231-775-1749**  
**James Lawrence, Director lawrencej@mml.org**  
**www.mml.org**

August 13, 2009

Broadband Technology Opportunities Program – Letter of Support

To Whom It May Concern:

I am writing on behalf of the Mid- Michigan Library League in support of the BTOP application being submitted by Kurt DeMaagd of the Michigan State University, who is coordinating the efforts of Michigan's libraries to enhance their computer center capacity.

Our cooperative service area includes:  
Leland Township Public Library  
Suttons Bay – Bingham District Library

In conjunction with the Public Computer Center proposal, each library will provide the required cost share and in-kind match necessary for the grant, and each will have public access computing as a line item in their budgets for future years for sustainability.

In this time of economic decline, we have found the library to be an essential resource for people needing access to computers in order to file for unemployment, create resumes, apply for jobs online, find government assistance programs, and so much more. The public libraries in our cooperative provide access to the Michigan eLibrary with its myriad of licensed databases that assist job seekers, small business owners, students and teachers. They provide access to consumer health information; practice tests for civil service exams, the GED, SAT, and ACT; online courses via distance education, and more. They offer programs for all ages, including training on computer use for a variety of purposes.

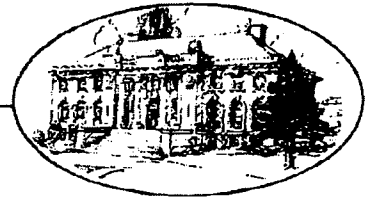
I heartily support this application on behalf of the public libraries in our cooperative. Many individuals in our service area have no other access to a computer or the Internet.

Sincerely,

James W. Lawrence, MLS, MBA  
Director

# the Peter White Public Library

217 N. Front St. • Marquette MI 49855 • 906/228-9510 • Fax 906/226-1783



August 7, 2009

To Whom it may concern:

The Peter White Public Library (PWPL) is pleased to provide a letter of support for the State of Michigan's Broadband Technology Opportunity Program (BTOP) funded under the American Reinvestment and Recovery Act (ARRA).

Most of the Library's 37 public computers were provided through grants and donations. However, approximately half (18) of these are outdated. With limited and declining financial resources, we cannot afford to replace them. This year our budget was cut \$120,000. Without this grant funding we cannot provide the updated computers our rural community needs.

Access to computers and the Internet is a critical and growing need in our rural, remote community located in Michigan's upper peninsula. In the last two years alone computer usage increased 16%. We serve 35,421 residents in the City of Marquette and nine townships. We are also a regional resource for surrounding smaller communities. Over 320,000 people visit the library annually. Broadband is not widely available, and the library is many residents' only Internet access point.

People use PWPL computers and Internet to search for jobs, file unemployment claims or take online training to improve their skills. Residents of a homeless shelter next door to the library depend on the library computers to search for work. One homeless man found a job that allowed him to move closer to family and support systems. As local school libraries close and cut hours, children and families depend more on PWPL. Travelers use PWPL computers for business.

PWPL helps with economic development in our community. We have a Career and Small Business Resource Center. Several successful local businesses used the library to get started. Our staff frequently helps people who are learning to use the computers and Internet. We proctor exams for people seeking degrees and professional certification.

Local, regional and state organizations ranging from the YMCA to the MI Appellate Court have trained staff and public at PWPL. Recently, however, students were unable to complete a streaming video portion of a class because outdated computers could not stream content.

We will provide 1.5 FTE library employees (\$42,380) as an in-kind contribution of staff. In addition, we agree to commit \$4,500 in matching cash toward this effort. Our annual budget contains a line item that includes funds for ongoing maintenance and upgrade costs.

We appreciate the opportunity to participate in the State of Michigan grant application.

Sincerely,

  
Pamela R. Christensen, Library Director

The  
**Library Network**  
Connections for the Information Age

13331 Reeck Road, Southgate, MI 48195-3054  
Phone (734) 281-3830 Fax (734) 281-1905

August 12, 2009

Sheryl L. Mase  
Director, Statewide Services  
Library of Michigan  
702 West Kalamazoo/P.O. Box 30007  
Lansing, MI 48909-7507

Dear Sheryl:

The Library Network supports the state's application for broadband stimulus funding through the American Recovery and Reinvestment Act of 2009. In these difficult times, the public libraries have become a lifeline for the recently unemployed. The Library Network is a library cooperative that serves the Oakland County population of 1,185,613. Every day library staff see newly laid off people who require assistance in filing for unemployment online, job searching, and resume writing. They also assist people who are applying for jobs online as well as people who are returning to school. They promote the resources available through MeL, including Learning Express Library, to help job seekers.

Library programs have included a Job Search Series (Job Search Strategies and Successful Interviewing) and regular free computer training. Library computer classes meet a real need, as the libraries provide basic training in a small-group personal setting with Computer Basics, Intro to the Internet, Intro to E-mail and Creating a Resume included in the list of class topics. These classes have been very popular.

The use of library computers for long distance learning is also on the rise and staff provide proctoring services for these students' exams. Computers are also in demand for the use of statewide databases which include practice tests and skills training modules for people starting new careers.

The Library Network would like to invest in 10 laptops as a mobile training lab that would be shared by all the Oakland County Libraries so they can provide training services to their patrons. There is no money available in our budget to provide this service on our own. We have \$5,779 in this year's budget for maintenance, repair, and upgrades for our existing computers, but we are unable to make additional capital purchases at this time. We can commit \$2,500 if we are awarded ten laptops through this grant. The libraries would be able to reserve the mobile lab and our TLN delivery trucks would deliver the lab to the library for their use for training patrons.

We have 2.3 FTE's (approximately 92,981 annual salaries) that manage our computing equipment and provide computer assistance and training.

Thank you for considering our request for creating a mobile training lab for the Oakland County Libraries to share.

Sincerely,  
James Pletz  
Director

Enclosure

MICHIGAN STATE  
UNIVERSITY

August 13, 2009

Assistant Secretary  
National Telecommunications and Information Administration  
U.S. Department of Commerce  
Washington, D.C. 20230

**Re: Broadband Technology Opportunities Program  
Application: Public Computer Centers**

Dear Sir:

We are general counsel for Michigan State University (the "Applicant"). In such capacity, we acted as counsel to the Applicant in connection with its ability to apply to the Broadband Technology Opportunities Program and in the review of the grant agreement, as referenced in the Notice of Funds Availability.

We are of the opinion that:

- (a) the Applicant is a duly organized and existing public institution of higher education that is an agency of the State of Michigan;
- (b) the Applicant has all requisite organizational authority and power (1) to execute and deliver the grant agreement and (2) to perform all acts required to be done by it under the grant agreement; and
- (c) no legal proceedings have been instituted or are pending against the Applicant, the outcome of which would adversely affect the Applicant's ability to perform the duties under the grant agreement, and there are no judgments against the Applicant that would adversely affect the Applicant's ability to perform its duties under the grant agreement.



OFFICE OF THE  
**GENERAL COUNSEL**

Michigan State University  
494 Administration Building  
East Lansing, MI  
48824-1046  
517/353-3530  
Fax: 517/432-3950

Very truly yours,

Sally S. Harwood  
Associate General Counsel

am

SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8. BTOP - Public Computer Center	\$ 234,500.00	\$	\$	\$ 234,500.00	
9.				0.00	
10.				0.00	
11.				0.00	
12. TOTAL (sum of lines 8-11)	\$ 234,500.00	\$ 0.00	\$ 0.00	\$ 234,500.00	
SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 447,398.00	\$ 111,849.50	\$ 111,849.50	\$ 111,849.50	\$ 111,849.50
14. Non-Federal	\$ 112,009.00	28,002.00	28,002.00	28,002.00	28,002.00
15. TOTAL (sum of lines 13 and 14)	\$ 559,407.00	\$ 139,851.50	\$ 139,851.50	\$ 139,851.50	\$ 139,851.50
SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)				
	(b) First	(c) Second	(d) Third	(e) Fourth	
16. BTOP - Public Computer Center	\$ 448,085.00	\$	\$	\$	
17.					
18.					
19.					
20. TOTAL (sum of lines 16 - 19)	\$ 448,085.00	\$ 0.00	\$ 0.00	\$ 0.00	
SECTION F - OTHER BUDGET INFORMATION					
21. Direct Charges:	\$940,092	22. Indirect Charges:	\$189,891		
23. Remarks:	Federal Portion: DC = \$710,701 IDC = \$184,782 Applicant Share: DC = \$229,391 IDC=\$5,109				

## ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.


**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

**NOTE:** Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

* SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL 	* TITLE Sr. Contract & Grant Administrator
* APPLICANT ORGANIZATION Michigan State University	* DATE SUEMITTED 08-13-2009



Kurt DeMaagd, PI  
 Approved by OMB  
 0348-0046

**DISCLOSURE OF LOBBYING ACTIVITIES**

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352  
 (See reverse for public burden disclosure.)

<b>1. Type of Federal Action:</b> <input checked="" type="checkbox"/> N/A a. contract b. grant c. cooperative agreement d. loan e. loan guarantee f. loan insurance	<b>2. Status of Federal Action:</b> <input checked="" type="checkbox"/> N/A a. bid/offer/application b. initial award c. post-award	<b>3. Report Type:</b> <input checked="" type="checkbox"/> N/A a. initial filing b. material change <b>For Material Change Only:</b> year _____ quarter _____ date of last report _____
<b>4. Name and Address of Reporting Entity:</b> <input type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier _____ if known:  N/A  Congressional District, if known: 4c	<b>5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime:</b>  N/A  Congressional District, if known:	
<b>6. Federal Department/Agency:</b>  N/A	<b>7. Federal Program Name/Description:</b>  N/A CFDA Number, if applicable: _____	
<b>8. Federal Action Number, if known:</b>  N/A	<b>9. Award Amount, if known:</b> \$ N/A	
<b>10. a. Name and Address of Lobbying Registrant (if Individual, last name, first name, MI):</b>  N/A	<b>b. Individuals Performing Services (including address if different from No. 10a) (last name, first name, MI):</b>  N/A	
<b>11.</b> Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the law above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	Signature: _____ Print Name: N/A Title: _____ Telephone No.: _____ Date: _____	
<b>Federal Use Only:</b>		Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)

**BTOP Public Computer Center and Sustainable Broadband Adoption  
Detailed Budget Template  
Department of Commerce**

Easy Grants ID: 2213  
Applicant: Michigan State University  
Project Title:

SF-424A Object Class Category	General				Detail			
	Position	Federal Support	Matching Support	Total	# of Positions	Salary	% Time Spent on Project	Total
<b>a. Personnel</b> - List position, number of staff, annual salaries, % time spent on project								
K DeMaagd-sumr sal+AY sal	Principal Investigator	2,854.00	\$8,564.00	\$11,418.00	1	Comp for Sumr Sal + AY sal: \$85,636	5.0%	\$11,418.00
TBN	Local Administrators		\$78,752.00	\$78,752.00	15	\$50,000.00	10.5%	\$78,752.00
<b>Subtotal</b>		<b>\$2,854.00</b>	<b>\$87,316.00</b>	<b>\$90,170.00</b>				

b. Fringe Benefits - Include salaries and fringe rate.	Position	Federal Support	Matching Support	Total	# of Positions	Salary	% Time Spent on Project	Fringe Rate	Total
									Total
DeMaagd-sumr sal frge 7.65%; AY Fringe 34.55%	Principal Investigator	\$218.00	\$2,959.00	\$3,177.00	1	Comp for Sumr Sal + AY sal: \$85,636	5.0%	27.82%	\$3,176.49
TBN	Local Administrators		\$25,988.00	\$25,988.00	15	\$50,000.00	10.5%	33.00%	\$25,987.50
<b>Subtotal</b>		<b>\$218.00</b>	<b>\$28,947.00</b>	<b>\$29,165.00</b>					

c. Travel - For significant costs, include details such as number and purpose of trips, destinations.	Purpose of Trip	Federal Support	Matching Support	Total	# of Trips	Cost per Trip	Total
							Total
7 trips to Traverse City MI - 3 Travelers	Deployment of Computer Systems	\$8,128.00	\$8,128.00	\$16,256.00	14	\$1,161.14	\$16,255.96
<b>Subtotal</b>		<b>\$8,128.00</b>	<b>\$8,128.00</b>	<b>\$16,256.00</b>			<b>\$0.00</b>

d. Equipment Costs - List equipment with # of units and unit costs. Distinguish between equipment intended for applicant use versus equipment for the end user.	Equipment Description	Federal Support	Matching Support	Total	#Units	Unit Cost	Total
							Total
<b>Applicant Equipment</b>							\$0.00
<b>User Equipment</b>							
<b>Subtotal</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>			<b>\$0.00</b>

e. Supplies - List costs associated with materials/printing, curriculum, translations, and other supplies	Description	Federal Support	Matching Support	Total	#Units (If Applicable)	Unit Cost (If Applicable)	Total
							Total
Approx 550 computers @ approx \$1,100/ea	Desktops and Laptops, including supplemental software costs	\$117,500.00	\$105,000.00	\$222,500.00	250	\$890.00	\$222,500.00

	Laptops	\$222,500.00		\$222,500.00	250	\$890.00	\$222,500.00
	Accessibility Software	\$80,000.00		\$80,000.00			
	Printers	\$70,000.00		\$70,000.00			
	Cabling and supplies	9500	\$0.00	\$9,500.00			
workstations	Computer workstations @ \$200/computer	\$100,000.00	\$0.00	\$100,000.00	500	\$200.00	\$100,000.00
LAN and Wireless Networking							
Materials	Materials for Network	\$100,000.00		\$100,000.00			\$100,000.00
<b>Subtotal</b>		<b>\$699,500.00</b>	<b>\$105,000.00</b>	<b>\$804,500.00</b>			

<b>f. Contractual</b> - List contractors with purpose of contract, hourly rate or total fixed rate. List any subgrantees with subgrant amounts.	<b>Contractor</b>	<b>Federal Support</b>	<b>Matching Support</b>	<b>Total</b>	<b># Hours (If Applicable)</b>	<b>Hourly Rate (If Applicable)</b>	<b>Total Contract</b>
	<b>Subgrantee</b>						<b>Subgrant Amount</b>
<b>Subtotal</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>			

<b>g. Construction</b> - If applicable, list construction costs not included in the SF-424C	<b>Description</b>	<b>Federal Support</b>	<b>Matching Support</b>	<b>Total</b>			
<b>Subtotal</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>			

<b>h. Other</b> - List other costs not listed above such as technology (website hosting, internet connection), advertising (TV, radio, online), etc.	<b>Description</b>	<b>Federal Support</b>	<b>Matching Support</b>	<b>Total</b>	<b>#Units (If Applicable)</b>	<b>Unit Cost (If Applicable)</b>	<b>Total</b>
<b>Subtotal</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>			

<b>i. Total Direct Charges (sum of a-h)</b>		<b>\$710,700.00</b>	<b>\$229,391.00</b>	<b>\$940,091.00</b>			
<b>j. Indirect Charges</b>	<b>Indirect Rate 26% (of MTDC)</b>						
	(IDC cost-base for cost-share: \$19,651)	<b>\$184,782.00</b>	<b>\$5,109.00</b>	<b>\$189,891.00</b>			
<b>Total Eligible Project Costs</b>		<b>\$895,482.00</b>	<b>\$234,500.00</b>	<b>\$1,129,982.00</b>			
<b>Federal Share Requested</b>		<b>\$895,482.00</b>		<b>\$0.00</b>			
<b>Applicant Share</b>			<b>\$234,500.00</b>	<b>\$234,500.00</b>			

Certification Requirements for BTOP

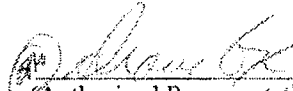
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**U.S. Department of Commerce**  
**Broadband Technology Opportunities Program**

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I certify that I am the duly authorized representative of the applicant organization, and that I have been authorized to submit the attached application on its behalf. A copy of the applicant organization's authorization for me to submit this application as its official representative is on file in the applicant's office, and I am identified as the applicant organization's Authorized Organization Representative (AOR) in the Central Contractor Registration database. By signing this certification, I certify that the statements contained in the application are true, complete, and accurate to the best of my knowledge, and that if an award is made, the applicant organization will comply with all applicable award terms and conditions.

8/13/2009  
(Date)

  
(Authorized Representative's Signature)

*for* **Marcus Pickett**  
Senior Contract and Grant Administrator  
Contract and Grant Administration

\_\_\_\_\_  
Name:

\_\_\_\_\_  
Title:

**Personnel**

Dr Kurt DeMaagd will provide the training and supervision of the students in this program. He is requesting 0.15 months of Summer Salary and will contribute 0.45 months of academic year time for both years.

Our partners in the program are contributing staff time for the tech support and maintenance of the computer systems and the provision of training programs on the computers. The precise job title of these individuals will vary from tech-savvy librarians in small libraries to directors of IT in the larger systems. The librarian cost share is computed based on 10.5% FTE at \$50,000 average salary, for 15 administrators.

(Note that although we are only officially declaring a personnel cost share of \$87,316 for budgetary purposes, our partners have estimated that they will provide a up to a total of approximately 62 FTEs in tech support and training, for a total contribution of over \$3 million in related contributions. These 62 FTEs will be split approximately as one third for tech support and maintenance and two thirds for the delivery of training services.)

All personnel in this program are employees of non-profit organizations.

**Fringe Cost**

Fringe cost pertaining to Dr DeMaagd's (requested) summer salary is 7.65% of salary cost. His AY salary fringe cost is computed at a composite 34.55% over the two years and will be contributed as cost-share.

Fringe costs for partners' employees are estimated at 33% of salaries.

**Travel Cost**

Travel support funding is requested for 7 trips per year to deploy the computer systems. During these trips, students will travel to each of the counties to deploy the computers in the libraries and public housing centers. Note that the trip for Oscoda and Otsego counties will be combined, requiring only 14 trips, not 15. The travel costs include a request for a van rental fee to haul the computers, lodging fees, and per diem for food and incidental expenses.

Computer Hardware

**Supplies**

The computer hardware costs are computed as follows.

**REQUESTED FUNDS:**

*Desktops.* Although we will make allowances to modify the computers we purchase to align with prior installed hardware at the computing facility, the baseline desktop computer is a Dell Optiplex 740 with 2.3 GHz AMD Athalon, 2 GB of RAM, 17 inch LCD monitor, CD/DVD read/write drive, and 10/100/1000 ethernet card. The estimated cost for this computer is \$680. In addition to the core hardware, we will

purchase Deep Freeze security/system maintenance software for \$45 per computer, Microsoft Office at \$95 per computer, and Adobe Acrobat Pro for \$70 per computer. We will purchase 250 Desktop computers of the above specification for a total of \$222,500.

*Laptops.* The laptop request follows exactly the same model as above, including the same software, special accessibility software, and printers, except the Dell Optiplex Desktop is replaced with a Dell Latitude E5400 laptop. The Latitude's specifications are for a 2.2 GHz Intel Celeron processor, 1GB or RAM, 14 inch display, 80 GB hard drive, DVD reader, and 802.11 b/g wireless networking card for a cost of \$680. We will purchase 250 laptop computers of the above specification. Each one will be loaded with the same Deep Freeze, MS Office, and Acrobat suites. Hence, the total laptop budget will be \$222,500.

To provide additional accessibility software to each location, 100 of these laptop and desktop computers will be loaded with JAWS at \$800 per computer, for a total of \$80,000. To provide for printing access, we will purchase 100 printers. Although we will allow some variance in the exact model to align with previously installed printers, we have budgeted Canon ImageClass D1170 printers at \$700 per printer for a total of \$70,000. The remaining \$9500 in the computer budget will be used for miscellaneous cables and related hardware.

*Workstations.* We did not define a standard installation for the office furniture. Instead, the specific furniture installed will be chosen on a location-by-location basis to ensure that the desks and chairs will match with any existing equipment. The \$100,000 requested will provide an allowance of approximately \$200 per computer purchased over the two years. The local libraries/housing centers will be responsible for any cost above and beyond this request.

*LAN & Wireless Networking Materials.* The networking expense is based on \$1000 per location. This will provide at each site: four Linksys WRT54g wireless routers (\$320), one Cisco ASA5505 firewall/security appliance (\$350), one Cisco SR224G 10/100/1000 24 port switch (\$230), \$100 for additional cabling and equipment. 88 facilities at \$1000 = \$88,000. The remaining requested funds are to cover the greater expected expenses for the 16 larger (class 6) libraries.

#### COST-SHARE:

\$105,000 of the cost of the computer hardware is provided via cash cost share.

#### **Indirect Cost**

Michigan State University has a Federally-negotiated IDC rate of 52%; MSU's off-campus rate, which applies to this project, is 26%, of a Total Direct Cost base of \$710,700. Indirect Cost incurred as a result of the MSU portion of direct cost-share is also 26%, computed against a Modified Total Direct Cost base of \$19,651.

Requested IDC = \$184,782  
Cost-Shared IDC = \$5109

### CERTIFICATION REGARDING LOBBYING

Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, "New Restrictions on Lobbying." The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Commerce determines to award the covered transaction, grant, or cooperative agreement.

#### LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-L.L.L., "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

NAME OF APPLICANT

Michigan State University

AWARD NUMBER AND/OR PROJECT NAME

BTOP - PUB. COMPUTER CTR

PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE

Evonne Pedawi, Sr. Contract & Grant Administrator

SIGNATURE

*Evonne Pedawi*

DATE

8/13/2009



### CERTIFICATION REGARDING LOBBYING LOWER TIER COVERED TRANSACTIONS

Applicants should review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, "New Restrictions on Lobbying."

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(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

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#### Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

In any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

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As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

NAME OF APPLICANT

MICHIGAN STATE UNIVERSITY

AWARD NUMBER AND/OR PROJECT NAME

Evidence-Based Computer Centers

PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE

Evonne Pedawl  
Senior Contract and Grant Administrator

SIGNATURE

Contract and Grant Administration

DATE

19 Nov 2009

## DOC Environmental Checklist

1. **SECTION 1-** To be completed for those projects historically shown not to create significant environmental impacts to the human or natural environment. Any answer of “No” or “Not Applicable” may require additional documentation or review.

a. Is the proposed action solely a procurement action for materials intended to be installed, stored or operated in an existing building or structure?

Yes

No

Not Applicable

b. If the proposed action involves procurement of electronic equipment, will the equipment be disposed of in an environmentally sound manner at the end of its useful life?

Yes

No

Not Applicable

c. Does the proposed action involve only minor interior renovations to a structure, facility, or installation?

Yes

No

Not Applicable

d. Is the proposed action solely for the production and/or distribution of informational materials, brochures, or newsletters?

Yes

No

Not Applicable

e. Does the proposed action consist solely of training, teaching, or meeting facilitation at an existing facility or structure?

Yes

No

Not Applicable

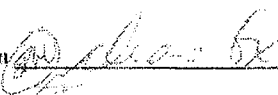
**Certifications and Signature**

(i) I certify that I am authorized to submit this grant application on behalf of the eligible entity(ies) listed on this application, 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.

(ii) I certify that the entity(ies) I represent have 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.

(iii) 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.

(iv) If requesting BTOP funding, 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 or received a waiver.

Signature of authorized person  Date 9/13/2009

Print name of authorized person Evonne Pedawi

Title or position Sr. Contract & Grant Administrator

### CERTIFICATION REGARDING LOBBYING

Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, "New Restrictions on Lobbying." The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Commerce determines to award the covered transaction, grant, or cooperative agreement.

#### LOBBYING

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(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

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As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

NAME OF APPLICANT	AWARD NUMBER AND/OR PROJECT NAME
Michigan State University	BTOP - PUB. COMPUTER CTRIS
PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE	
Evonne Pedawi, Sr. Contract & Grant Administrator	
SIGNATURE	DATE
<i>Evonne Pedawi</i>	8/13/2009

#### Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

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**BUDGET INFORMATION - Non-Construction Programs**

**SECTION A - BUDGET SUMMARY**

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. BTOP – Public Computer Centers	11.557	\$	\$	\$896,114	\$189,518	\$1,085,632
2.						0.00
3.						0.00
4.						0.00
5. Totals		\$ 0.00	\$ 0.00	\$896,114	\$189,518	\$1,085,632

**SECTION B - BUDGET CATEGORIES**

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1) Requested Funds	(2) Cost-share	(3)	(4)	
a. Personnel	2,854	8,564			11,418
b. Fringe Benefits	218	2,959			3,177
c. Travel	8,128				8,128
d. Equipment					0.00
e. Supplies	700,000				700,000
f. Contractual					0.00
g. Construction					0.00
h. Other		175,000			175,000
i. Total Direct Charges (sum of 6a-6h)	711,200	186,523	0.00	0.00	897,723
j. Indirect Charges	184,912	2,996			187,908
k. TOTALS (sum of 6i and 6j)	\$896,112	\$189,519	\$ 0.00	\$ 0.00	\$1,085,631

7. Program Income	\$	\$	\$	\$	0.00
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Standard Form 424A (Rev 7-2009)

## ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

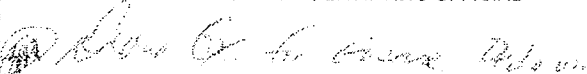
**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

**NOTE:** Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a -1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

* SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL 	* TITLE Sr. Contract & Grant Administrator
* APPLICANT ORGANIZATION Michigan State University	* DATE SUBMITTED 08-13-2009



Certification Requirements for BTOP

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**U.S. Department of Commerce  
Broadband Technology Opportunities Program**

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I certify that I am the duly authorized representative of the applicant organization, and that I have been authorized to submit the attached application on its behalf. A copy of the applicant organization's authorization for me to submit this application as its official representative is on file in the applicant's office, and I am identified as the applicant organization's Authorized Organization Representative (AOR) in the Central Contractor Registration database. By signing this certification, I certify that the statements contained in the application are true, complete, and accurate to the best of my knowledge, and that if an award is made, the applicant organization will comply with all applicable award terms and conditions.

8/13/2009  
(Date)

  
(Authorized Representative's Signature)

*William Fiedor*  
William Fiedor  
Senior Contract and Grant Administrator  
Contract and Grant Administration

Name:

Title: