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Shared Solutions and Technology Partnerships

Vision of Action

The Center for Shared Solutions and Technology Partnerships (CSSTP), a division of the Michigan Department of Technology, Management & Budget (DTMB), was created to foster the exciting possibilities of shared solutions across government and beyond traditional government boundaries. Built on the foundation of Michigan's consolidated ICT environment, this current era of opportunity is bolstered by Michigan's ICT maturity that is both nimble and agile. Within its grasp is the promise of shared solutions across state agencies and into the new realm of collaboration and partnerships with businesses, K-12, universities, nonprofit organizations and local units of government. In the economic reality of 2010, such solutions within and outside ICT organizations are vital to securing efficiencies, better services and overall success of all partners. As cash-strapped budgets continue to accelerate this growing trend, Michigan is forging ahead with a strategy to identify win-win technology solutions for all parties involved through four major focus areas:

Our Mission

Through technology, we will endeavor to build a government that is efficient and effective.

- **Public Partnerships**

Create innovative partnership programs for more effective and efficient government across all levels

- **Public/Private Partnerships**

Strengthen and expand partnerships beyond government to the private sector and higher education

- **Technology**

Leverage existing and emerging ICT infrastructure and functionality across the state

- **Health IT**

Expand health information technology and health information exchange programs and partners

The office works to create and advance relationships across and beyond traditional boundaries. Working closely with a wide range of partners, staff members strive to build on existing ICT efficiencies, leveraging partner resources and expertise for the benefit of all Michigan's citizens.

The promise of shared technology solutions is steadily broadening, due in part to the ability of the state's consolidated and mature ICT environment. Several opportunities have emerged from the American Recovery and Reinvestment Act of 2009, including the creation of new partnerships around broadband connectivity to rural areas and the expansion of health information technology. The Office of Shared Solutions and Technology Partnerships is working to take advantage of these and other opportunities and is committed to passing on the benefits to local communities and citizens.



Shared Solutions and Technology Partnerships

Organization

Shared Solutions, formerly the Center for Geographic Information, is an office within DTMB that focuses on services and products common to all areas of state government. Additionally, it is a service center and a competency center for geocoded data and geographic systems. It is made up of several key functional areas:

Spatial Technology – Spatial technology provides leadership, technical expertise and policy for the acquisition, development, use, dissemination, promotion and sharing of geographic information in the State of Michigan. This unit combines and standardizes support offerings by sharing solutions and services, including Web-mapping applications, enterprise GIS and the Michigan Business Portal.

Privacy and Business Intelligence – The Privacy and Business Intelligence Competency Center enables and encourages appropriate and effective use of data the state has collected to further the privacy of Michigan's citizens.

Address Quality Assurance – This function involves development of a process to cleanse and standardize U.S. and Canadian addresses in a consistent, enterprise-wide manner. The work in address quality assurance has produced a common model for raw address data that can be shared by agencies. In addition, this area makes standardized address information available and helps accurately store raw and cleansed/standardized addresses in a common data model.

Data Transport Tools – Data transport tools provide the ability to design data flows to extract information from multiple source systems, make it more valuable and then deliver it to one or more target databases or applications.

Query and Reporting – Plans call for consolidation of existing product licenses for State of Michigan query/reporting tools to allow agencies to leverage query/reporting toolsets at minimal cost to taxpayers.

Census, Statistics and Demographic Data – This function assists state agencies in the appropriate use of population data and represents Michigan in the Federal-State Cooperative for Population Estimates and the State Data Center program. These programs provide opportunities to improve the accuracy of population data, promote its proper use and influence federal statistical policies that affect the State of Michigan. Population data is important for targeting public programs, assessing needs, understanding and anticipating trends, and distributing state and federal funds. Figures derived from the census and from population estimates are used to distribute more than \$400 billion in federal funds to state and local governments each year.

Key Drivers

- Implementation of highly technical solutions used across multiple agencies
- Elimination of duplication of support for common technologies across narrowly focused customer teams
- Resources for data classification standards and processes for implementing data-sharing agreements.
- Current and future opportunities for expansion or creation of shared applications
- Ability to administer programs that use location-based information and need to relate one database to another geographically
- Incorporate additional online mapping tools into the DTMB development toolboxes

We strive to build once, serve many and operate as one unit with a single entry point to reduce costs, provide more and better services to citizens and make crossing government lines seamless.

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Shared Solutions and Technology Partnerships

Initiatives	Description and Target Dates	
Internal State	Business Objects	Ongoing
Government Shared Service Partnerships	ETL tools	Ongoing
Michigan Geographic Framework (MGF)	Migrate current MGF environment to a new Oracle Spatial 11g topological version-enabled model with an ERDAS ADE internet graphic user interface	June 2010
	Expand current Transportation Data Stewardship program by surveying the GIS community to identify processes, procedures and tools that better facilitate communication through the NSDI grant process	October 2010
	Develop tools for partners to use in interacting with the new MGF environment as a result of surveys conducted through the NSDI grant process, winter 2010	December 2010
Public Private Partnership – Bing MAP Enterprise License	Delivery of MGF version 11	May 2010
	Extend Bing Maps Ultimate licensing agreement enterprise-wide to enable all Michigan governmental units to use BME in any official Internet mapping application without limits to users, transactions or applications.	May 2010
Census 2010 Partnerships	BME licensing agreement also enables state and local agencies to allow for imagery flights at a shared cost arrangement with flights being scheduled for up to 34,000 square miles of the state over the life of the contract. Flights still to be determined.	December 2010
	Working with the state Complete Count Committee and the U.S. Census Bureau to help deliver an accurate count for Michigan.	Due to the President in December 2010
GIS Application Development		Due to the Governor in April 2010
	Development of the Michigan Imagery portal to allow downloading and viewing of aerial imagery over multiple years and multiple counties	First edition of the portal December 2010
	A rewrite of an application being developed in conjunction with the MDNRE that allows boaters to locate boat launches and harbors.	September 2010
	Development of an application to be used by the Attorney General's office to track parolees and probationers. The application will provide addresses, last known locations and the types of offenses of Michigan's parolees.	December 2010

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Initiatives	Description and Target Dates	
Expand Health Information Technology and Health Information Exchange Programs and Partners	Successful implementation of the \$24 million award from the FCC to use broadband to connect more than 390 rural hospitals and medical clinics.	Ongoing
	Assist health information exchanges with planning, implementation strategies, support and best practices.	Ongoing
Broadband for Michigan	Continue work with vendors that receive American Recovery and Reinvestment Act of 2009 funds to ensure collaboration among local stakeholders as they roll out projects from 2010 to 2012.	Ongoing
	Work with NASCIO and other public entities to ensure the FCC's National Broadband Plan has no negative impacts to the expansion and use of broadband in Michigan.	Ongoing
Statewide GIS Business Plan	Work with GIS stakeholders across Michigan to develop a geospatial business plan to help support the Michigan IT Strategic Plan's goals and objectives and build a collaborative spirit around GIS in the state to help reduce costs and create efficiencies.	October 2010