		2. Award Or Grant Number 25-50-M09017				
Perform		4. Report Date (MM/DD/YYYY) 01-20-2011				
1. Recipient Name Massachusetts Tech. Park Corp		6. Designated Entity On Behalf Of: N/A				
3. Street Address 75 North Drive,		8. Final Report? 9. Report Frequence Yes Semi Annual				
5. City, State, Zip Code Westborough, MA 01581	\odot	No	 ○ Serin Annual ○ Annual ○ Final 			
 Project / Grant Period Start Date: (MM/DD/YYYY) 11-01-2009 	Start Date: (MM/DD/YYYY) End Date: (MM/DD/YYYY) Reporting Period End Date:			9a. If Other, please describe: N/A		
10. Broadband Mapping	10a. Provider Table					
Number of Providers IdentifiedNumber of Providers Cc00	Number of Agreemen Reached for Data Sha 0		Number of Complete Da	Data Sets Data Sets 0	r of ets Verified	
 10c. Have you encountered challer 10d. If so, describe the discussions As of the date of this report, we disclosure agreements (NDAs) for submission from one of these provided that they would participate that remains pending, so that the Our primary focus for the Spring However, we have also received communication with another one ease their burden in preparing the that we have in common and to missing or incomplete informatic mile data in previous rounds. 10e. If you are collecting data throw activities to be undertaken in the MA Department of Telecommunications are refined or targeted field surveys. The Massachusetts Broadband individual anchor institutions (e.g halls) through online surveys. 	s to date with each of these prov have made progress in incre from Fall 2010 remains to be roviders and anticipate data f e but did not submit data. We ey will update and complete d data for the Spring 2011 su e, a small wireless provider w he information. We have also share contact information. So on. We have already receive ugh other means (e.g. data extra the future d DSL service areas was con munications and Cable (DTC models will be updated as ne added. Remote terminal loc Institute (MBI) continues to c g., police, hospitals, commun he redesigned web surveys sability of the information. Th	viders and the current status easing participation from a resolved. We've alread from the other soon. Thi /e are continuing to facilit their datasets. et the rest of the provider Jomission from 1 of the 7 with limited resources, an so begun collaborating wi Some providers have als ed middle-mile data from action, extrapolation, etc), pl mpleted in the first quarte C) and known central office rew cable strand maps ar cations and DSL status c collect broadband service nity health centers, school and speed test will be re- he MBI continued target	providers. O ly received da is accounts for tate legal disc rs on board th ' previously no d have offere ith other New o been more 1 of the 8 pro lease describe er of 2010, ba ce locations, a re received or continue to be e information ols, colleges a eleased in the ted communit	Only 1 of the 3 per ata for the Spring or 2 of the 6 providences of the 6 providences of the 6 providences of the 6 providence	ending non- g 2011 data viders that said last cute the one NDA ey would participate. providers and are in y effort possible to to identify providers equests to submit not submit middle- date and the relevant and maps filed with to validate and fice and remote napped through businesses and from , libraries, and town 2011 to improve the	

10f. Please describe the verification activities you plan to implement

Based on the results of the mobile wireless and cable/DSL verification pilots projects described below, the methodologies will be revised and rolled out statewide, with a focus on low-confidence areas.

10g. Have you initiated verification activities? •Yes No 10h. If yes, please describe the status of your activities

A drive study pilot was performed, in collaboration with Fitchburg State University, to verify wireless coverage in 22 towns in north central Massachusetts. Android phones from each of the four mobile broadband companies operating in Massachusetts were loaded with software from QoS Solutions and used by 28 student volunteers to capture wireless capacity, signal-level and network quality information. An evaluation of the pilot project methodology and results is in progress and preparations are being made to roll out the project in other regions throughout the state in 2011.

In collaboration with the Franklin Regional Council of Governments (FRCOG) and the Montachusett Regional Planning Commission (MRPC), preparations for a cable and DSL verification pilot are also underway to leverage local knowledge of cable and DSL service availability and infrastructure in 26 towns in western MA and 22 towns in north central Massachusetts. Community representatives, members of local broadband committees or other individuals knowledgeable about local broadband availability, will provide feedback on cable and DSL maps of their town, including the last know service location along a road. Community representatives were identified and notified of the project and informational meetings were scheduled for the first week of 2011. Map templates have been prepared and are ready for production and distribution following the meetings.

10i. If verification activities have not been initiated please provide a projected time line for beginning and completing such activities

Verification activities have begun and will continue throughout 2011.

Staffing

10j. How many jobs have been created or retained as a result of this project?

3.84

10k. Is the project currently fully staffed? OYes ONo

10I. If no, please explain how any lack of staffing may impact the project's time line and when the project will be fully staffed

The MBI is in the process of hiring an additional GIS Analyst during the next quarter. A senior project manager and a project coordinator will also be hired to support the new application development and computer ownership and usage programs. The projects are expected to be fully staffed by the end of 2nd quarter of 2011.

10m. When fully staffed, how many full-time equivalent (FTE) jobs do you expect to create or retain as a result of this project?

5.22

FTE %	Date of Hire
25	12/10/2009
94	05/14/2009
86	10/12/2010
24	11/23/2009
16	04/16/2010
89	08/09/2010
5	09/20/2010
45	10/01/2010
-	25 94 86 24 16 89 5

			Add Row		Remove Row			
Sub Contracts	L							
10o. Subcontracts Table		I	-	T			1	I
Name of Subcontractor	contractor Purpose of Subcontract		Contract Executed (Y/N)	Start Dat	e End	Date	Federal Funds	In-Kind Funds
Western MA Connect	Planning Activities (Sub Recipient)	N	Y	11/01/2009	10/31/2	2012	58,978	22,876
Applied Geographics	Web Design and Development Services	Y	Y	06/14/2010	12/31/2	2010	31,348	0
3NC Consulting	Field Engineering Services For Data Verification	Y	Y	01/08/2010	01/08/2	2010	33,255	0
Deloitte & Touche	Annual Single Audit Services	Y	Y	11/01/2009 06/30/2011		2011	25,000	0
			- A		Add F	Row Remove Row		
Funding								
10p. How much Federal	funding has been expend	ed as of the end	l of the last of	quarter? \$6	98,671	10q.	How much Rem	ains? \$5,463,883
10r. How much matching	funds have been expend	ed as of the en	d of last qua	rter? \$44	40,146	10s.	How much Rem	ains? \$1,237,176
10t. Budget Worksheet								
Mapping Budget Elemer	nt Funds Granted	Proposed In-Kind		otal dget	Federal Funds Expende	d	Matching Funds Expended	s Total Funds Expended
Personal Salaries	\$1,144,848	\$57,408	\$1,2	02,256	\$199,024		\$10,870	\$209,894
Personal Salaries Personnel Fringe Benefi		\$57,408 \$20,234		02,256	\$199,024 \$65,354		\$10,870	\$209,894
			\$42					
Personnel Fringe Benefi	ts \$403,312	\$20,234	\$42	23,546	\$65,354		\$3,706	\$69,060
Personnel Fringe Benefi Travel	ts \$403,312 \$26,400	\$20,234 \$0	\$42	6,400	\$65,354 \$0		\$3,706 \$0	\$69,060
Personnel Fringe Benefi Travel Equipment	ts \$403,312 \$26,400 \$58,470	\$20,234 \$0 \$8,930	\$42 \$20 \$60 \$20	7,400	\$65,354 \$0 \$23,304		\$3,706 \$0 \$8,930	\$69,060 \$0 \$32,234
Personnel Fringe Benefi Travel Equipment Materials / Supplies	ts \$403,312 \$26,400 \$58,470 \$24,500	\$20,234 \$0 \$8,930 \$0	\$42 \$20 \$60 \$20 \$3,2	13,546 6,400 7,400 4,500	\$65,354 \$0 \$23,304 \$9,152		\$3,706 \$0 \$8,930 \$0	\$69,060 \$0 \$32,234 \$9,152
Personnel Fringe Benefi Travel Equipment Materials / Supplies Subcontracts Total	ts \$403,312 \$26,400 \$58,470 \$24,500 \$2,435,000	\$20,234 \$0 \$8,930 \$0 \$771,869	\$42 \$20 \$66 \$3,2 \$69	23,546 6,400 7,400 4,500 06,869 6,869	\$65,354 \$0 \$23,304 \$9,152 \$158,814		\$3,706 \$0 \$8,930 \$0 \$64,191	\$69,060 \$0 \$32,234 \$9,152 \$223,005
Personnel Fringe Benefi Travel Equipment Materials / Supplies Subcontracts Total Subcontract #1	ts \$403,312 \$26,400 \$58,470 \$24,500 \$2,435,000 \$652,500	\$20,234 \$0 \$8,930 \$0 \$771,869 \$41,315	\$42 \$20 \$60 \$3,2 \$69 \$60	23,546 6,400 7,400 6,4500 4,500 6,869 93,815 6,815	\$65,354 \$0 \$23,304 \$9,152 \$158,814 \$99,837		\$3,706 \$0 \$8,930 \$0 \$64,191 \$41,315	\$69,060 \$0 \$32,234 \$9,152 \$223,005 \$141,152
Personnel Fringe Benefi Travel Equipment Materials / Supplies Subcontracts Total Subcontract #1 Subcontract #2	ts \$403,312 \$26,400 \$58,470 \$24,500 \$2,435,000 \$652,500 \$500,000	\$20,234 \$0 \$8,930 \$0 \$771,869 \$41,315 \$100,000	\$42 \$20 \$66 \$3,2 \$69 \$60 \$60 \$1,1	23,546 6,400 7,400 4,500 06,869 93,815	\$65,354 \$0 \$23,304 \$9,152 \$158,814 \$99,837 \$58,978		\$3,706 \$0 \$8,930 \$0 \$64,191 \$41,315 \$22,876	\$69,060 \$0 \$32,234 \$9,152 \$223,005 \$141,152 \$81,854
Personnel Fringe Benefi Travel Equipment Materials / Supplies Subcontracts Total Subcontract #1 Subcontract #2 Subcontract #3	ts \$403,312 ts \$26,400 \$58,470 \$ \$24,500 \$ \$2,435,000 \$ \$652,500 \$ \$500,000 \$ \$492,500 \$	\$20,234 \$0 \$8,930 \$0 \$771,869 \$41,315 \$100,000 \$630,554	\$42 \$20 \$60 \$3,2 \$3,2 \$69 \$60 \$1,1 \$19	23,546 6,400 7,400 4,500 06,869 93,815 00,000 23,054	\$65,354 \$0 \$23,304 \$9,152 \$158,814 \$99,837 \$58,978 \$0		\$3,706 \$0 \$8,930 \$0 \$64,191 \$41,315 \$22,876 \$0	\$69,060 \$0 \$32,234 \$9,152 \$223,005 \$141,152 \$81,854 \$0
Personnel Fringe Benefi Travel Equipment Materials / Supplies Subcontracts Total Subcontract #1 Subcontract #2 Subcontract #3 Subcontract #4	ts \$403,312 ts \$26,400 \$58,470 \$ \$24,500 \$ \$2,435,000 \$ \$652,500 \$ \$500,000 \$ \$492,500 \$ \$190,000 \$	\$20,234 \$0 \$8,930 \$0 \$771,869 \$41,315 \$100,000 \$630,554 \$0	\$42 \$20 \$66 \$3.2 \$669 \$660 \$1,1 \$19 \$60	23,546	\$65,354 \$0 \$23,304 \$9,152 \$158,814 \$99,837 \$58,978 \$0 \$0 \$0		\$3,706 \$0 \$8,930 \$0 \$64,191 \$41,315 \$22,876 \$0 \$0 \$0	\$69,060 \$0 \$32,234 \$9,152 \$223,005 \$141,152 \$81,854 \$0 \$0 \$0
Personnel Fringe Benefi Travel Equipment Materials / Supplies Subcontracts Total Subcontract #1 Subcontract #2 Subcontract #3 Subcontract #4 Subcontract #5	ts \$403,312 \$26,400 \$58,470 \$24,500 \$2,435,000 \$652,500 \$550,000 \$492,500 \$190,000 \$600,000	\$20,234 \$0 \$8,930 \$0 \$771,869 \$41,315 \$100,000 \$630,554 \$0 \$0	\$42 \$20 \$66 \$3,2 \$69 \$60 \$1,1 \$19 \$60	23,546	\$65,354 \$0 \$23,304 \$9,152 \$158,814 \$99,837 \$58,978 \$0 \$0 \$0		\$3,706 \$0 \$8,930 \$0 \$64,191 \$41,315 \$22,876 \$0 \$0 \$0 \$0	\$69,060 \$0 \$32,234 \$9,152 \$223,005 \$141,152 \$81,854 \$0 \$0 \$0 \$0
Personnel Fringe Benefi Travel Equipment Materials / Supplies Subcontracts Total Subcontract #1 Subcontract #2 Subcontract #3 Subcontract #4 Subcontract #5 Construction	\$403,312 \$26,400 \$58,470 \$24,500 \$2,435,000 \$652,500 \$500,000 \$492,500 \$190,000 \$600,000 \$0	\$20,234 \$0 \$8,930 \$0 \$771,869 \$41,315 \$100,000 \$630,554 \$0 \$0 \$0 \$0	\$42 \$20 \$66 \$3,2 \$669 \$660 \$1,1 \$19 \$600 \$1,6	23,546 6,400 7,400 4,500 06,869 93,815 00,000 23,054 00,000 90,000 \$0	\$65,354 \$0 \$23,304 \$9,152 \$158,814 \$99,837 \$58,978 \$0 \$0 \$0 \$0 \$0		\$3,706 \$0 \$8,930 \$0 \$64,191 \$41,315 \$22,876 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$69,060 \$0 \$32,234 \$9,152 \$223,005 \$141,152 \$81,854 \$0 \$0 \$0 \$0 \$0 \$0
Personnel Fringe Benefi Travel Equipment Materials / Supplies Subcontracts Total Subcontract #1 Subcontract #2 Subcontract #3 Subcontract #4 Subcontract #5 Construction Other	\$403,312 \$26,400 \$58,470 \$24,500 \$2,435,000 \$652,500 \$50,000 \$492,500 \$190,000 \$0 \$0 \$0 \$0 \$0 \$0 \$857,884	\$20,234 \$0 \$8,930 \$0 \$771,869 \$41,315 \$100,000 \$630,554 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$757,687	\$42 \$20 \$66 \$3,2 \$3,2 \$669 \$660 \$11,1 \$19 \$600 \$10,5 \$600 \$11,6 \$605	23,546 6,400 7,400 4,500 06,869 93,815 00,000 23,054 00,000 90,000 \$0 15,571	\$65,354 \$0 \$23,304 \$9,152 \$158,814 \$99,837 \$58,978 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		\$3,706 \$0 \$8,930 \$0 \$64,191 \$41,315 \$22,876 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$341,145	\$69,060 \$0 \$32,234 \$9,152 \$223,005 \$141,152 \$81,854 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0
Personnel Fringe Benefi Travel Equipment Materials / Supplies Subcontracts Total Subcontract #1 Subcontract #2 Subcontract #3 Subcontract #4 Subcontract #5 Construction Other Total Direct Costs	ts \$403,312 ts \$26,400 \$58,470 \$ \$24,500 \$ \$24,500 \$ \$652,500 \$ \$652,500 \$ \$492,500 \$ \$190,000 \$ \$0 \$ \$0 \$ \$492,500 \$ \$190,000 \$ \$492,500 \$ \$190,000 \$ \$492,500 \$ \$492,500 \$ \$492,500 \$ \$492,500 \$ \$492,500 \$ \$492,500 \$ \$492,500 \$ \$492,500 \$ \$492,500 \$ \$492,500 \$ \$40,000 \$ \$40,000 \$ \$40,000 \$ \$40,000 \$ \$40,000 \$ \$40,000 \$ \$40,000 \$ \$40,000 \$ \$40,000 \$ <td>\$20,234 \$0 \$8,930 \$0 \$771,869 \$41,315 \$100,000 \$630,554 \$0 \$0 \$0 \$0 \$0 \$1,5757,687 \$1,616,128</td> <td>\$42 \$24 \$66 \$3,2 \$3,2 \$669 \$660 \$11,1 \$19 \$660 \$1,6 \$6,5 \$1,2</td> <td>23,546 6,400 7,400 4,500 06,869 93,815 00,000 23,054 00,000 00,000 90,000 15,571 66,542</td> <td>\$65,354 \$0 \$23,304 \$9,152 \$158,814 \$99,837 \$58,978 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0</td> <td></td> <td>\$3,706 \$0 \$8,930 \$0 \$64,191 \$41,315 \$22,876 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0</td> <td>\$69,060 \$0 \$32,234 \$9,152 \$223,005 \$141,152 \$81,854 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0</td>	\$20,234 \$0 \$8,930 \$0 \$771,869 \$41,315 \$100,000 \$630,554 \$0 \$0 \$0 \$0 \$0 \$1,5757,687 \$1,616,128	\$42 \$24 \$66 \$3,2 \$3,2 \$669 \$660 \$11,1 \$19 \$660 \$1,6 \$6,5 \$1,2	23,546 6,400 7,400 4,500 06,869 93,815 00,000 23,054 00,000 00,000 90,000 15,571 66,542	\$65,354 \$0 \$23,304 \$9,152 \$158,814 \$99,837 \$58,978 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		\$3,706 \$0 \$8,930 \$0 \$64,191 \$41,315 \$22,876 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$69,060 \$0 \$32,234 \$9,152 \$223,005 \$141,152 \$81,854 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0

10u. Has the project team purchased the software / hardware described in the application?

●Yes ○No

10v. If yes, please list

Maintenance costs for ArcGIS software this quarter was \$839.49. No additional hardware or software was purchased this quarter.

The following were purchased in previous quarters: 1 data server for \$12,211.74; 2 mobile workstations for \$3,469.19; 2 desktop workstations for \$3,067.80; 1 plotter for \$5,274.00; 2 ArcGIS licenses for \$15,815.00; and 2 ArcGIS extension licenses for \$4,500.00.

The ArcGIS software and workstations listed were purchased to support the data development, data analysis and mapping needs of the GIS Project Manager, 2 GIS Analysts and a GIS Intern. The data server was purchased to store data from service providers in a separate, secure location with restricted access and the plotter was purchased to create hard copy maps for outreach and data verification.

10w. Please note any software / hardware that has yet to be purchased and explain why it has not been purchased

Additional hard disk space and a desktop computer may be required to handle data storage and processing requirements.

10x. Has the project team purchased or used any data sets? (Yes
No

10y. If yes, please list

N/A

10z. Are there any additional project milestones or information that has not been included? (•) Yes (No

10aa. If yes, please list

Comprehensive datasets were submitted to the NTIA on October 8th containing information on wired broadband availability by census block and street segment, wireless broadband availability by service area, provider overview/speed information by county, middle-mile interconnection points and community anchor institution broadband services. These included data from 26 broadband providers, which was 7 more than the previous submission, and were accompanied by complete metadata and a methodology whitepaper.

The availability datasets were used to create statewide wireline and wireless broadband availability maps in PDF format that were posted in a new Map Gallery on the MBI web site for public access. Development of the Massachusetts interactive broadband map is almost complete and will be launched in the first quarter of 2011.

10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

Many of the providers that submitted data for Spring 2010, did not provide updates for Fall 2010. The is most likely because their networks did not change from one round to the next, so we are making an effort this round to make it more clear in our emails that we need confirmation of no change and will follow up with earlier with phone calls and reminders as their deadline approaches.

Since most of the data was acquired and stored using 2009 vintage census blocks, additional effort was required to convert data back to the 2000 vintage census blocks while preserving links to the original data for validation and future updates. Data conversion models were created to automate some of this process, but we look forward to moving to the 2010 Census Data to eliminate this problem and improve the overall data accuracy.

10cc. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

No additional information at this time.

11. Broadband Planning

11a. Please describe progress made against all goals, objectives, and milestones detailed in the approved Project Plan. Be sure to include a description of each major activity / milestone that you plan to complete and your current status

Current activities are focused on the review of barriers to broadband deployment, community outreach activities and the production of a last mile summit for broadband providers.

MBI planning grant partner, WesternMA Connect, in colloboration with the Regional Planning Agencies (RPAs), continues to review municipal bylaws to identify barriers to broadband deployment (e.g., wireless siting restrictions) and is developing databases of route

conditions and wireline and wireless facilities. The Connect and RPA's will then work with communities to remove any barriers and prepare educational materials for other communities.

The Connect also continues to help with community capacity and outreach activities, with a particular focus on the MassBroadband 123 network communities, and recently facilitated a review of community anchor institutions to be connected to the network. They will also be organizing a last mile provider summit to be held in March that will bring together the communities of western and central Massachusetts along with municipal light plants and current and potential last mile providers. This summit will be the kick-off of the recruitment effort of last mile investment in the unserved areas of the Commonwealth.

11b. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

None at this time.

11c. Does the Project Team anticipate any changes to the project plan for Broadband Planning? (Yes No

11d. If yes, please describe these anticipated changes. Please note that NTIA will need to approve changes to the Project Plan before they can be implemented

N/A

Funding

11e. How much Federal fundi	ng has been expend	0 11f.	How much Remains	? \$0			
11g. How much matching funds have been expended as of the end of last quarter? \$0 11h. How much Remains?						?\$0	
11i. Planning Worksheet							
Personal Salaries	\$0	\$0	\$0	\$0	\$0	\$0	
Personnel Fringe Benefits	\$0	\$0	\$0	\$0	\$0	\$0	
Travel	\$0	\$0	\$0	\$0	\$0	\$0	
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	
Materials / Supplies	\$0	\$0	\$0	\$0	\$0	\$0	
Subcontracts Total	\$0	\$0	\$0	\$0	\$0	\$0	
Subcontract #1	\$0	\$0	\$0	\$0	\$0	\$0	
Subcontract #2	\$0	\$0	\$0	\$0	\$0	\$0	
Subcontract #3	\$0	\$0	\$0	\$0	\$0	\$0	
Subcontract #4	\$0	\$0	\$0	\$0	\$0	\$0	
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0	
Construction	\$0	\$0	\$0	\$0	\$0	\$0	
Other	\$0	\$0	\$0	\$0	\$0	\$0	
Total Direct Costs	\$0	\$0	\$0	\$0	\$0	\$0	
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0	
Total Costs	\$0	\$0	\$0	\$0	\$0	\$0	
% Of Total	0	0	0	0	0	0	
Additional Planning Information							

Additional Planning Information

11j. Are there any additional project milestones or information that has not been included?

None at this time.

11k. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the Project Team is employing

None at this time.

11I. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

The MBI has also begun work on the new application development project to create a web portal for the veteran's community. A core leadership team has been assembled and a procurement was issued for a consultant to conduct a needs assessment and develop the product requirements for the portal. A public event to announce the project was held in November in collaboration with Lieutenant Governor Tim Murray, the National Guard and the MA Department of Veterans' Services. The team is preparing for a project kick-off in January, a veteran's community design charette in March, and a procurement for a web developer in early summer.

12. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purpose set forth in the award documents.				
12a. Typed or Printed Name and Title of Authorized Certifying Official	12c. Telephone (area code, number, and extension)			
Lisa Erlandson	X			
	12d. Email Address			
	erlandson@masstech.org			
12b. Signature of Authorized Certifying Official	12e. Date Report Submitted (Month, Day, Year)			
Submitted Electronically	02-23-2011			