



State of Vermont

Enterprise GIS Consortium

Vermont's Enterprise GIS Initiative

Business Plan – FY 2010

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1	7/31/2009	Steve Sharp, VCGI	Draft of FY 2010 Business Plan
2	8/3/2009	EGC	Changes based on feedback provided at 8/3/2009 meeting
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Overview

Abstract: This Business Plan outlines specific goals and work items to be pursued by the Vermont Enterprise GIS Consortium (EGC) in FY 2010 (July 2009 to July 2010). The EGC is voluntary consortium of State government organizations focused on the management of Vermont's Enterprise Geographic Information System.

Background: An alliance of State government organizations convened a taskforce (Enterprise GIS Taskforce or EGT) to prepare an Enterprise GIS Strategic Plan (herein referred to as the 'Plan') to efficiently and effectively expand and improve the state's use of geospatial technology, and to improve outreach and coordination with stakeholders outside state government. The Plan was designed to enable faster and higher quality services, streamlined processes, and a less costly government. The Plan is in alignment with the September 8, 2005 report of the Vermont Institute on Government Effectiveness which concluded that modernizing both the state's information technology (IT) and management of information technology is the key to greater efficiency and better service in state government.

In the past, State Agencies have been largely on their own in developing in-house GIS capabilities. Some agencies such as Transportation, Natural Resources, Agriculture, E-911, and Commerce have developed sophisticated systems. Other agencies are making less or limited use of GIS. The Vermont Center for Geographic Information (VCGI) develops GIS technical guidelines, distributes GIS data to the general public, and promotes information exchange among the agencies.

The Enterprise GIS Strategic Plan is an important part of the state's 'comprehensive strategy' for the development and use of Vermont's Geographic Information System (VGIS)¹. The VGIS represents a broad spectrum of geospatial activities and constituencies throughout the state of Vermont, including academic, town, regional, non-profit, state, private sector, and the general public. The Plan articulates a strategic vision for the development and use of geospatial technology within state government; a critical component of the VGIS.

Objective and Scope

Objective: Further the vision and goals articulated in Vermont's Enterprise GIS Strategic Plan (2008A).

Scope: This 12 month Business Plan addresses a subset of items defined in Vermont's Enterprise GIS Strategic Plan (2008A).

Work Items and Deliverables

¹ Vermont Statute (Title 10 VSA - Chapter 8 § 121)
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The section outlines specific work items that will be addressed by the EGC in FY 2010. It also identifies the strategic objective(s) addressed by the work item (as defined in the Vermont Enterprise GIS Strategic Plan).

Work Item	Objective ²
1) Finalize data exchange, replication, and access protocols to enhance data sharing/exchange between EGC member organizations. a) Define an Enterprise GIS Data Warehouse architecture that dovetails with the existing VGIS Data Warehouse architecture. b) Define data access, exchange, and replication protocols i) Build upon existing draft ArcSDE data exchange implementation strategy. ii) Address access/exchange/replication between enterprise geodatabases (ArcSDE). iii) Address access/exchange/replication between non-enterprise geodatabases (those who do not use ArcSDE to manage/house their data). c) Enable direct access to the Enterprise GIS Data Warehouse for EGC members. This includes the ability of EGC members to connect to certain ArcSDE instances (eg: GDB_VCGI on VCGI's data server) within GovNet.	Objective 8 Objective 9 Objective 10 Objective 12
2) ESRI licensing a) Finalize Master Purchasing Agreement. Work with BGS, DII, and ESRI.	Objective 4 Objective 13
3) Pursue the establishment of a GIS "career ladder" for State government employees. a) Work with the Vermont Department of Human Resources, agency human resource departments and the Summit Center to create a GIS career ladder and expand the current GIS-specific positions in the state classification system.	Objective 15
4) Setup a MS SharePoint™ portal/account for the EGC. Work with DII.	All Objectives by enhancing communication
5) Annual review of Strategic Plan. Modify as needed.	Objective 2 Objective 3
6) Draft a FY 2011 Business Plan.	Objective 2 Objective 3
7) Refine and enhance Enterprise geocoding services a) Add zip code information to E911 ESITE geocode service to enhance match rate. b) Evaluate the potential of integrating E911's geocoding services more directly into the Enterprise geocoding suite. c) Make additional tuning adjustments (eg: town name aliases, street name aliases) to enhance match-rate performance. d) Evaluate the potential of developing "address validation" services to help validate addresses at the point of entry (data entry).	Objective 4
8) Develop Enterprise basemap and imagery services for Vermont a) Work with VCGI to develop basemap and imagery services which leverage VT GIS data and imagery. b) Tune to maximize draw speed through the use of cached tiles. c) Implement as ArcGIS Server services. Expose as OGC WMS services as well.	Objective 4

² Refer to Vermont's Enterprise GIS Strategic Plan (2008A) for details.

9) Supported Web Mapping Workgroup's (WMW) efforts to "assess the web mapping needs of State government, and develop a set of recommendations that align with those needs."	Objective 4
10) Evaluate potential sharing of hardware & software costs associated with the deployment and use of ESRI's ArcGIS Server product. Leverage experience with Geocortex IMF.	Objective 4
11) Evaluate the possibility of sharing the cost and licensing fees associated with 3 rd party web services, such as basemap, geocoding, and geoprocessing.	Objective 4
12) Evaluate possible solutions that enable geospatial content to be dynamically integrated with MS Sharepoint.	Objective 4
13) Parcel data. Work with VCGI and VAPDA to improve access to municipal parcel data. Push VCGI's Technical Advisory Committee (VTAC) to revise the "VGIS Municipal Property Mapping" guidelines.	Objective 10 and 12
14) Improve awareness of EGC efforts through enhanced marketing and outreach. a) Submit annual report to DII newsletter. b) Target specific stakeholders within state government such as management, GIS professionals, and IT staff.	Objective 5, 6, and 7

Assumptions

1. EGC participants are willing to attend meetings and contribute toward completing the work items and deliverables identified in this Business Plan.
2. Continuing support from the Office of the Chief Information Officer (CIO), Department of Information and Innovation (DII), and the State Information Technology Committee (STC).

Risks

Risks are characteristics, circumstances, or features of the EGC's working environment that may have an adverse effect on this Business Plan or the quality of its deliverables. Known risks are included below.

Risk Area	Level (H/M/L)	Risk Plan
Lack of support and resources for the implementation of this Business Plan	M	<ul style="list-style-type: none"> • Focus on actions that result in some "quick wins". • Leverage existing resources. • Clear and effective communication strategy.

Organizational Roles

Members of the EGC will have a role to play in the implementation of this business plan. EGC members will be asked to attend all regularly scheduled EGC meetings and contribute (in whatever fashion they can) toward completion of the work items and deliverables outlined in the FY 2010 Business Plan.