

**Information Technology Policy  
Commonwealth of Pennsylvania  
Governor's Office of Administration/Office for Information Technology**

<b>ITP Number:</b>	<b>ITP-INFGT002</b>	
<b>ITP Title:</b>	<b>Geospatial Enterprise Server Architecture</b>	
<b>Issued by:</b>	<b>Deputy Secretary for Information Technology</b>	
<b>Date Issued:</b>	<b>April 29, 2011</b>	<b>Date Revised:</b>
<b>Domain:</b>	<b>Information</b>	
<b>Discipline:</b>	<b>Server Architectures</b>	
<b>Technology Area:</b>	<b>Geospatial Technologies</b>	
<b>Revision History Date:</b>	<b>Description:</b>	

**Abstract:**

The purpose of this Information Technology Policy is to establish a primary Geospatial Enterprise Server Architecture (GESA) as part of the Commonwealth's Enterprise Architecture initiatives for use as a best practice by the Commonwealth geospatial community.

Through this policy, the Commonwealth's Geographic Information System (GIS) program will focus on steps toward server consolidation, reduction of duplication and overlap of capabilities across agencies, and Geospatial Technology (GT) interoperability of federal, state, and local government and other public entities located within the Commonwealth. This will be accomplished through the definition of standards and the review of geospatial technology investments for agency and enterprise geospatial business needs. Background information on the GESA is provided on supplement *GEN-INFGT002A*.

**General:**

This ITP applies to all departments, boards, commissions and councils under the governor's jurisdiction (agencies). Agencies not under the governor's jurisdiction are encouraged to follow this policy to ensure they develop and implement applications that facilitate enterprise-wide interoperability and standardization.

**Policy:**

The GESA has been established as the primary geospatial shared services architecture for all Commonwealth of Pennsylvania geospatial Internet/Intranet applications and the enterprise data repository for all geospatial data assets that need to be shared across agencies, shared with external business partners, or used by applications hosted in the GESA.

Prior to procuring new servers, databases, major storage capacity, or GIS software for Internet/intranet geospatial applications or data storage to support enterprise geospatial applications, an agency should contact its OA/OIT Service Coordinator to determine if the agency's needs can be accommodated through the GESA in order to save costs and leverage enterprise geospatial server resources.

This ITP establishes the following processes to ensure consistency with the stated goals:

1. Agencies intending to develop a new or upgrade an existing geospatial Internet/Intranet application that potentially requires the procurement of new hardware, geospatial software, database, or storage capacity shall consult with OA/OIT prior to development and procurement activities.
2. Agencies shall utilize the GESA to the fullest extent for all geospatial Internet/Intranet applications and geospatial data assets that require new hardware, databases, or geospatial software for applications or services that need to be shared across agencies, shared with external business

partners, or shared with the general public. A waiver must be approved by OA/OIT prior to any new procurement for geospatial data storage, servers, or software titles for new Internet/intranet geospatial applications or resources that are otherwise available through OA/OIT.

3. Agencies shall incorporate language into the procurement documents (e.g. RFP, RFQ, etc) indicating the vendor response is to describe how the Commonwealth's existing GESA can be leveraged, enhanced, and built upon as part of the proposed solution.

#### **Refresh Schedule:**

All standards identified in this ITP are subject to periodic review and possible revision, or upon request by the Enterprise Architecture Standards Committee (EASC).

#### **Exemption from This Policy:**

In the event an agency chooses to seek an exemption, for reasons such as the need to comply with requirements for a federally mandated system, a request for waiver may be submitted via the Commonwealth of PA Procurement and Architectural Review (COPPAR) process. Requests are to be entered into the COPPAR Tool located at <http://coppa.pa.gov/>. Agency CIO approval is required. Contact your agency CoP Planner for further details or assistance.

#### **Questions:**

Questions regarding this policy are to be directed to [RA-ITCentral@pa.gov](mailto:RA-ITCentral@pa.gov).

#### **Supplements:**

GEN-INFGT002A - Background to Geospatial Enterprise Server Architecture

#### **References:**

ITP-INFGT001: Geospatial Information Systems (GIS)

ITP-APP009: Automatic Vehicle Location (AVL) Technology Standard