

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

STD Number:	STD-INFGT001A	
STD Title:	Geospatial Information Systems (GIS) Software Standards	
Issued by:	Deputy Secretary for Information Technology	
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Domain:	Information	
Discipline:	Geospatial Information Systems	
Technology Area:	Software Standards	
Referenced by:	ITP-INFGT001	
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11/18/2010	ITP Refresh	

CURRENT STANDARDS

(These technologies meet the requirements of the current architecture and are recommended for use.)

Technology	Platforms	Category	Technology Classification
ESRI ArcGIS Desktop 9.3 and above (ArcView, ArcEditor, ArcInfo, ArcGlobe)	Microsoft Desktop	GIS Desktop Software	Current
ESRI ArcGIS 9.3 Extensions and above	Microsoft Desktop	GIS Desktop extensions	Current
ESRI ArcGIS Server 9.3 and above (excluding ArcIMS)	Microsoft and Unix Server/Database	GIS Web Mapping/Web Services Software	Current
ESRI Image Server 9.3 and above	Microsoft Server/Web	Imagery Server	Current
ESRI ArcGIS Explorer 900 and above	Microsoft Desktop	Free ArcGIS desktop client software	Current
ESRI ArcGIS Engine 9.3 and above	Microsoft Desktop/Network	GIS Web Mapping/Web Services Software	Current
ArcPad and ArcPad Application Builder 7.0 and above	Microsoft Desktop, handhelds, wireless	GIS Mobile Software	Current
ArcGIS Server Geoportals Extension 9.3 and above (formerly the GIS Portal Toolkit)	Microsoft and Unix Server/Web	GIS Portal with Catalog, Web Mapping/Web Services Software	Current
ESRI ArcWeb Services	Microsoft Desktop, Microsoft and Unix	GIS Web Mapping/Web Services Software	Current

Current	Technologies that are supported by the current standards and meet the requirements of the architecture. They are recommended for use.
Contain	These technologies are being phased out over the next three to five years.
Retire	Plans are to be developed to phase out and replace these technologies. A date for discontinuance has been set.
Emerging / Research	Technologies that have the potential to become current. At the present time, they are to be used only in pilot or test environments where they can be evaluated. They will require a waiver request to be used in a limited production mode.

Technology	Platforms	Category	Technology Classification
	Server/Web		
ESRI ArcReader 9.3 and above	Microsoft Desktop, Microsoft and Unix Server/Web	Free ESRI GIS map/data reader software	Current
ESRI ArcGIS Online Standard Services	Microsoft Desktop, Microsoft Web	GIS Desktop and Web Mapping	Current
ESRI ArcGIS Online Premium Services	Microsoft Desktop, Microsoft Web	GIS Desktop and Web Mapping	Current
Google Maps API Premier – 1 to 30 Million Annual Page Views	Microsoft Desktop, Microsoft Web	GIS Desktop and Web Mapping	Current
Google Maps API Premier – Unlimited Annual Page Views	Microsoft Desktop, Microsoft Web	GIS Desktop and Web Mapping	Current
Google Earth Pro – 1 Year Subscription	Microsoft Desktop	GIS Desktop	Current
Oracle Spatial 10g and above	Oracle	Database geospatial software	Current
Safe Software FME 2009 and above	Microsoft Desktop	Data Loading and Transformation software	Current
ERDAS Imagine 9.0 and above	Microsoft Desktop	Imagery Manipulation, and Remote Sensing	Current
LizardTech MrSID, GeoExpress 7.0 and above (ron)	Microsoft Desktop	Imagery Manipulation, Compression and Mosaicking	Current
Feature Analyst 9.0 and above	Microsoft Desktop	Imagery Data Extraction Software	Current
eCognition 4.0 and above	All	Imagery Analysis Software	Current
CAD, GPS Software	Microsoft Desktop, GPS, handheld computers	Computer Aided Design and Global Positioning System devices	Not restricted by this policy
Intergraph GeoMedia and GeoMedia Pro 6.0 and above	Desktop	GIS Desktop Software	* Waiver is required Waiver Exceptions: PENNDOT and PHMC
Intergraph GeoMedia WebMap 6.0 and above	Microsoft Server/Web	GIS Web Server Software	*Waiver is required Waiver Exceptions: PENNDOT and PHMC
Intergraph TerraServer 2.3 and above	Microsoft Server/Web	Imagery Server	*Waiver is required. Waiver Exceptions: PENNDOT and PHMC
DeLorme Mapping Software	Microsoft Desktop	Used by PennDOT for flight planning and photogrammetric production	*Waiver is required Waiver Exceptions: PENNDOT

CONTAIN

(These technologies no longer meet the requirements of the current architecture and are not recommended for use. They will be phased out over time. No date has been set for their discontinuance.)

Technology	Platforms	Category	Technology Classification
ESRI ArcGIS Desktop 9.2 and below	All	GIS Desktop Software	Contain
ESRI ArcGIS 9.2 Extensions and below	Microsoft Desktop	GIS Desktop extensions	Contain
ESRI ArcGIS Explorer 480 and below	Microsoft Desktop	Free ArcGIS desktop client software	Contain
ESRI ArcGIS Server 9.2 and below	Microsoft and Unix Server/Database	GIS Web Mapping/Web Services Software	Contain
ESRI ArcGIS Engine 9.2 and below	Microsoft Desktop/Network	GIS Web Mapping/Web Services Software	Contain
ArcPad and ArcPad Application Builder 6.0 and below	Microsoft Desktop, handhelds, wireless	GIS Mobile Software	Contain
GIS Portal Toolkit 2.0 and below	Microsoft and Unix Server/Web	GIS Portal with Catalog, Web Mapping/Web Services Software	Contain
ESRI ArcReader 9.2 and below	Microsoft Desktop, Microsoft and Unix Server/Web	Free ESRI GIS map/data reader software	Contain
Oracle Spatial 9.i and below	Oracle	Database geospatial software	Contain
Safe Software FME 2004.0.0.1350 and below	Microsoft Desktop	Data Loading and Transformation software	Contain
ERDAS Imagine 8.5 and below	Microsoft Desktop	Imagery Visualization, Manipulation, and Remote Sensing	Contain
ENVI 4.0 and below	Microsoft Desktop	Imagery Visualization, Manipulation, and Remote Sensing	Contain
LizardTech MrSID, GeoExpress 4.0 and below	Microsoft Desktop	Imagery Manipulation, Compression and Mosaicking	Contain
Intergraph TerraServer 2.2 and below	Microsoft Server/Web	Imagery Server	Contain
Feature Analyst	Microsoft Desktop	Imagery Data	Contain

		Extraction Software	
eCognition	All	Imagery Analysis Software	Contain
Interact Geo911, Interact GIS 5.12.0.144 and below	Microsoft Desktop/Server	Used by PSP and other agencies for mapping and vehicle tracking	Contain
Intergraph GeoMedia and GeoMedia Pro 5.0 and below	Desktop	GIS Desktop Software	Contain
Intergraph GeoMedia WebMap 5.0 and below	Microsoft Server/Web	GIS Web Server Software	Contain
Microsoft MapPoint	Microsoft Server and Desktop	Mapping Software	Contain *Note: Waiver required for all existing applications
MapQuest Commercial Products	Microsoft Server and Desktop	Mapping Software	Contain *Note: Waiver required for all existing applications
All other products not currently listed	All	All	Contain. No new procurements. If not listed, not allowed without a waiver.

RETIRE

(These technologies are being phased out. Plans are to be developed for their replacement, especially if there is risk involved, such as lack of vendor support. A date for retirement has been set.)

Technology	Platforms	Category	Technology Classification
ESRI ArcIMS all versions	Microsoft and Unix Server/Web	GIS Web Mapping Software	Retire by 12/31/2014
All ESRI 8.x and below products	All	All	Retire by 7/1/2010
ESRI ArcView 3.x, ArcInfo 6.x and prior, ArcView/IMS, and MapObjects/IMS	All	All	Retire by 12/31/2006
GeoMedia, GeoMedia Pro, and GeoMedia WebMap 4.x and below	All	All	Retire by 12/31/2007

EMERGING / RESEARCH

(Emerging technologies have the potential to become current standards.

At the present time, they are to be used only in pilot or test environments where they can be evaluated. Use of these technologies is restricted to a limited production mode, and requires approval of a waiver request. Research technologies are less widely accepted and time will determine if they will become a standard.)

Technology	Platforms	Category	Technology Classification
OpenSource GIS GeoServer 2.0	All	All	Research/Emerging
Quick Terrain Modeler 6.1.2	Microsoft	LiDAR and 3D Modeling	Research/Emerging