



Office of the CIO  
**Technology Focus Area**  
 (Identification and Prioritization)

NUMBER (CIO):  
**TF xx-xx**

SUBJECT:  
**Enterprise Geographic Information Systems (eGIS)**  
**DRAFT**

DATE SUBMITTED:  
 NOVEMBER 7, 2011

ASSIGNED SENIOR ASSOCIATE CIO:  
 Mark Greninger

CIO LEADERSHIP COMMITTEE REVIEW  
 COMPLETED:

AUTHOR:  
 Mark Greninger – Program Manager  
 Ana Maria Correa – Program Lead

DEPARTMENT:  
 CIO  
 ISD-SSSD

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**Distribution** CCLC

**Sponsor** Rich Sanchez – CIO

**Purpose**

The eGIS Program, established in 2008, improves the effectiveness and value of the County’s investments in GIS through:

- Enhanced GIS data access and sharing,
- Improved collaboration and coordination,
- Reduced duplication and costs,
- Development of best practices.

The GIS Program is recommending a policy for GIS Data Storage to eliminate duplicate data creation, redundant data storage, and improved data sharing.

**Scope**

**Policy**  
*Departments will maintain authoritative copies of their GIS data layers in the LA County Enterprise GIS Repository and the LA County GIS Data Portal.*

The County has collectively acquired core GIS data (e.g., aerial imagery, streets, landmarks, population estimates). However, departments store, update and maintain duplicate copies of this data increasing

	<p>storage costs unnecessarily, and reducing disaster recovery capabilities.</p> <p>The eGIS Program has implemented a central repository to store and distribute authoritative GIS data maintained by County departments.</p> <p>In January 2011, the LA County GIS Data Portal (<a href="http://gis.lacounty.gov/dataportal">http://gis.lacounty.gov/dataportal</a>) was launched to make public data available to County agencies, other jurisdictions, and the public. It currently averages 7,000 visits per month.</p>
<b>Definitions</b>	<p><b>OCIO</b> – Los Angeles County Office of the Chief Information Officer</p> <p><b>CCLC</b> – Chief Information Office Council Leadership Committee</p>
<b>Review Outcomes</b>	<i>Completed by the OCIO following review by the OCIO and CCLC.</i>
<b>Approved</b>	<hr/> <p>Richard Sanchez, Chief Information Officer County of Los Angeles</p>

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<b>Purpose</b>	<p>The eGIS Program, established in 2008, improves the effectiveness and value of the County’s investments in GIS through:</p> <ul style="list-style-type: none"> <li>• Enhanced GIS data access and sharing,</li> <li>• Improved collaboration and coordination,</li> <li>• Reduced duplication and costs,</li> <li>• Development of best practices.</li> </ul> <p>The GIS Program is recommending a policy to consolidate license management and purchasing for desktop GIS software from ESRI, which will reduce ongoing software maintenance costs.</p>
<b>Scope</b>	<p><b><u>Policy</u></b></p> <p><b><i>All licenses for GIS software from Environmental Systems Research Institute (ESRI) will be managed through a single countywide agreement established by the Internal Services Department (ISD). All ESRI software purchases require approval from the County’s Geographic Information Officer.</i></b></p> <p>The County, on average, spends close to \$600,000 annually for GIS software products and services from ESRI. These licensing costs are</p>

	<p>higher than necessary. Currently, the County has 461 licenses used by 207 GIS staff, which yields GIS software to staff ratio of 2:1. Also, County has over-invested in the most expensive GIS desktop software (Arc/Info) where more inexpensive software options (ArcView) may suffice.</p> <p>The eGIS Program manages a central license server and maintenance contract which stores and distributes ESRI software licenses to departments.</p> <p>All GIS Software from ESRI will be transferred to ISD. ISD will manage a central maintenance contract with ESRI, and bill departments for the cost of their licenses. There will be no immediate change to department costs and license ownership.</p> <p>ISD will maintain a central license pool that will allow departments to check out licenses as they are needed. ISD will provide usage statistics for the licenses to each department on a regular basis to help them optimize their license use. Departments will have a backup license pool in case of network connectivity issues.</p>
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<b>Approved</b>	<p style="text-align: center;">_____  Richard Sanchez, Chief Information Officer  County of Los Angeles</p>

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The GIS Program is recommending a policy to consolidate all web-based GIS mapping applications in the eGIS Program Infrastructure to eliminate redundant hardware and software costs, supporting shared software tools and methodologies, and rapid deployment.

**Scope**

**Policy**  
***All GIS mapping applications will be hosted in the eGIS Program Infrastructure.***

Departments have historically managed their own GIS server mapping infrastructure, requiring substantial investments in hardware and software. ISD has upgraded the eGIS infrastructure to enable all County departments to host their GIS applications in a centralized hosting

	<p>environment.</p> <p>The Internal Services department will maintain all necessary software to support these applications.</p>
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