

National States Geographic Information Council 2009 State Summary

2009 State Summary

State of Texas

Background Information

1	Please Choose the primary contact
Michael Ouimet	

3	Please select the answer that most closely describes your role in statewide GIS coordination.
Officially Recognized State Government Only GIS Coordinator	

4	What is your job title?
State Geographic Information Systems Coordinator	

5	Enter the name of your agency/organization.
Texas Department of Information Resources	

6	Please select the answer that best describes the affiliation of your office/agency in state government.
State CIO's Office	

11	Describe your state's top three geospatial accomplishments during the past year. (200 character limit per line)
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Accomplishment 1.

MAXIMIZED THE USE OF GIS TECHNOLOGY FOR HOMELAND SECURITY AND EMERGENCY RESPONSE

The use of GIS technology for homeland security and emergency response has steadily increased in Texas since the Space Shuttle Columbia accident in 2002 and Hurricanes Katrina and Rita in 2005. Over the past two years a number of improvements have occurred to enhance GIS capabilities including:

 The Governor's Division of Emergency Management (GDEM) is utilizing GPS tracking devices on evacuation buses and bar code wrist bands on evacuees to track the departure location and destination location of evacuees from hurricane evacuation zones.

 GDEM established a GIS portal (TexMap) using Google Earth enterprise technology for crime mapping along the Texas border region and critical infrastructure mapping for emergency response. The TexMap portal is also being used to track the location of disease and illness outbreaks across the state.

 The Commission on State Emergency Communications and the Department of Information Resources created an E911 Portal to support visualization and data development of public safety answering point (PSAP) boundary data using OGC compliant web technologies.

 FEMA awarded a grant to TNRIS through the Governor's Division of Emergency Management to develop the Geospatial Emergency Management Support System. This web-based system was jointly envisioned as a dedicated repository for comprehensive information related to hurricanes impacting Texas. In addition, several projects were undertaken in support of the GDEM to develop applications for risk-zone management accessible to authorized personnel from any Internet web browser.

 The Columbia Regional Geospatial Service Center System is a federal funded cooperative program involving Stephen F. Austin State University, The University of Texas at El Paso, Texas Tech University and Lamar University. The system, established by a 2006 federal appropriation, provides regional geospatial support for emergency preparedness and response, economic development, and natural resource management.

Accomplishment 2.

COMPLETED FGDC 50-STATES PLAN

The Texas Department of Information Resources in partnership with the Texas Geographic Information Council completed the state's 50-States project sponsored by a FGDC CAP grant. The final plan document Digital Texas 2008 was delivered to the Governor, State Legislature and executive sponsors on November 1, 2008. The plan includes 10 planned initiatives for the upcoming biennium.

A copy of the plan is available at: <http://www.fgdc.gov/grants/2006CAP/relateddocs/106-06-3-TX-StrategicPlan.pdf>

Accomplishment 3.

COMPLETED STATEWIDE COVERAGE OF 1-METER AND 0.75-METER NAIP IMAGERY

An enhanced National Agriculture Imagery Program (NAIP) imagery collection was conducted by the state clearinghouse Texas Natural Resources Information System (TNRIS) and Natural Resources Conservation Service (NRCS) in partnership with several organizations contributing financially to the project (Texas Orthoimagery Program – TOP).

The 2008-2009 TOP consists of a consortium of federal and state agencies including the NRCS, the United States Geological Survey, and the Commission on State Emergency Communications, the Texas Commission on Environmental Quality, the Texas General Land Office, and the Texas Water Development Board (TWDB). The project was managed by the Texas Strategic Mapping Program (StratMap), a division of TNRIS and the Texas Water Development Board.

Phase I, through NAIP acquired 213 counties during the 2008 summer growing season. These data were delivered as an interim product as required by the Farm Services Agency (FSA), a division of the USDA. Phase II delivered 41 East Texas counties acquired in January 2009, which completed statewide coverage of 1-meter JPEG2000 Compressed County Mosaics (CCMs).

Data Details:

 The 2008 leaf-on data were acquired April - September.

 The 2009 leaf-off data were acquired in January.

 The image data were collected at a ground sample distance of 0.75-meter and resampled to 1-meter spatial resolution. All data were acquired with the Leica Geosystems 2nd Generation ADS40 (Airborne Digital Sensor) system, SH52 (Sensor Head).

 During the encoding process to JPEG2000, the 4-band data were compressed at 15:1. The JPEG2000 format allows for large mosaics (county-wide) of high resolution imagery in manageable file sizes (approx. 1.5GB per CCM).

 Band assignments are as follows:

- Band 1 = Red Band
- Band 2 = Green Band
- Band 3 = Blue Band
- Band 4 = Near Infrared Band

 The orthorectified data are projected to the UTM NAD83 coordinate system. Data spans UTM zones 13, 14, and 15.

 The horizontal accuracy specification is +/- 6 meters to absolute ground control.

12 Describe your state's top three geospatial goals for the coming year. (200 character limit per line)

- Goal 1.
Establish a sustainable funding mechanism to support statewide base mapping needs.
- Goal 2.
Increase the number and effectiveness of geospatial partnerships between state agencies and our regional and local partners.
- Goal 3.
Coordination of agency resources to implement an enterprise GIS for State government that is aligned with goals established by the Texas Geographic Information Council (TGIC) and the State CIO at t

13 Describe the three most significant geospatial challenges for your state. (200 character limit per line)

- Challenge 1.
Establishing a source of sustainable funding for framework and other base map dataset development.
- Challenge 2.
Maintaining sufficient staffing expertise and staffing levels within state government to manage contract projects and implement technical applications.
- Challenge 3.
Developing the support infrastructure for a state the size of Texas that will give the GIS coordinating council the ability to outreach and partner with all levels of government and the private sec

14 Describe any significant cooperative efforts with federal, state or local partners. (200 character limit per line)

- Cooperative Effort 1.
Empty
- Cooperative Effort 2.
Empty
- Cooperative Effort 3.
Empty
- Cooperative Effort 4.
Empty
- Cooperative Effort 5.
Empty
- Cooperative Effort 6.
Empty

15 Describe any significant data development activities, innovative applications, cost saving measures, contracts, etc. that are on-going or that you have begun over the past year. (200 character limit per line)

- Activity 1.
Empty
- Activity 2.
Empty
- Activity 3.
Empty
- Activity 4.
Empty
- Activity 5.
Empty
- Activity 6.
Empty

16 Please provide the URL link for the mission statement of your state GIS Council.
Hard Copy Only

17 Please provide the URL link for your state GIS Coordination Office.
No Web Page - Use E-mail Address Provided

18 Please provide the URL link for your state GIS Coordination Council Web Page.
URL:
<http://www.dir.state.tx.us/tgic/index.htm>

19 Please provide the URL link for your state GIS Clearinghouse Node.
URL:
<http://www.tnris.state.tx.us>

20 Is your Clearinghouse Node set up to be harvested by the GOS Portal?
No

21 Please provide the URL link to a list of GIS data stewards for your state.
Hard Copy Only

22 Please provide the URL link to your state GIS Personnel Classifications.
No Specific GIS Classifications

23 Please provide the URL link for your state GIS data distribution policies.
No State Data Distribution Policy

24 Please provide the URL link for your state GIS Data Standards.

URL:

[http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=1&pt=10&ch=201&rl=6](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=1&pt=10&ch=201&rl=6)

Score Card for the fifty states initiative

1 Which of the following NSGIC Coordination Criteria are in effect in your state?						
1 = We previously had this function and lost it over the past year						
2 = No plans at this time for implementing this criteria						
3 = We currently are planning to implement this within the next 12 to 18 months						
4 = Progress has been made and we reasonably expect this to be fully implemented within the next 12 months						
5 = Implemented at this time						
	Not Applicable	1	2	3	4	5
1. A full-time, paid coordinator position is designated and has the authority to implement the state's business and strategic plans.	-	-	-	-	-	5
2. A clearly defined authority exists for statewide coordination of geospatial information technologies and data production.	-	-	-	-	-	5
3. The statewide coordination office has a formal relationship with the state's Chief Information Officer (or similar office).	-	-	-	-	-	5
4. A champion (politician or executive decision-maker) is aware and involved in the process of coordination.	-	-	-	-	4	-
5. Responsibilities for developing the National Spatial Data Infrastructure and a State Clearinghouse are assigned.	-	-	-	-	-	5
6. The ability exists to work and coordinate with local governments, academia, and the private sector.	-	-	-	-	-	5
7. Sustainable funding sources exist to meet projected needs.	-	-	-	3	-	-
8. Coordinators have the authority to enter into contracts and become capable of receiving and expending funds.	-	-	-	-	-	5
9. The Federal government works through the statewide coordinating authority.	-	-	-	-	-	5

2 Please identify the stakeholder groups that participate on your GIS Coordination Council and their level of participation.			
	Actively participates on our Council	Has an official 'seat' or voting privileges on our Council	Invited to participate in general meetings of our Council
Cities and Towns	-	-	Invited to participate in general meetings of our Council
Statewide City Organization	-	-	Invited to participate in general meetings of our Council
Counties and Parishes	-	-	Invited to participate in general meetings of our Council
Statewide County Organization	Actively participates on our Council	-	Invited to participate in general meetings of our Council
Regional Government Organizations	Actively participates on our Council	-	Invited to participate in general meetings of our Council
State Agencies	Actively participates on our Council	-	Invited to participate in general meetings of our Council
Tribal Governments	-	-	Invited to participate in general meetings of our Council
Federal Agencies	-	Has an official 'seat' or voting privileges on our Council	Invited to participate in general meetings of our Council
Utilities	-	-	Invited to participate in general meetings of our Council
Academic (Colleges & Universities)	Actively participates on our Council	-	Invited to participate in general meetings of our Council

Education (K-12)	-	-	Invited to participate in general meetings of our Council
Private Sector (GIS Industry Vendors and Users)	-	-	Invited to participate in general meetings of our Council
General Business Community	-	-	Invited to participate in general meetings of our Council
Surveying Community	-	-	Invited to participate in general meetings of our Council
Non-Profit Organizations	-	-	Invited to participate in general meetings of our Council
General Public	-	-	Invited to participate in general meetings of our Council
Local URISA Chapter	-	-	Invited to participate in general meetings of our Council
Local ASPRS Chapter	-	-	Invited to participate in general meetings of our Council

3	Please provide the URL link to your current Statewide Strategic Plan for GIS.
Under Development - Not Available at this Time	

4	Please provide the URL link to your current Statewide Business Plan for GIS.
Under Development - Not Available at this Time	

5	Please provide the URL link to your current Statewide Marketing Plan for GIS.
No Marketing Plan Available	

6	Under what authority was your State Council created?

7	Please provide the URL link to the Law or Executive Order that established your GIS Coordination Office and/or Council.
URL: http://www.capitol.state.tx.us/statutes/wa.toc.htm	

8	Please provide a URL link to your state's law(s) related to privacy issues as they affect data and information technology.
URL:	

9	Please provide a URL link to your state's law(s) related to data security issues.
URL:	

10	Does your GIS Coordination Council have adequate funding to support its operation? (This refers only to the activities of the Council and not to your Coordination Office or projects like data development.)
Partially Funded	

11	What fund sources does your Coordination Council use to support its operations? (Check all that apply)
State General Funds Federal Grants	

12	Does your GIS Council officially endorse the use of appropriate OGC, FGDC, ANSI or ISO standards as appropriate?
Other (please specify) Our Council will begin an endorsement process of various national geospatial standards in 2007.	

13	Does your state make its own GIS Inventory tool available to users?
Yes - Government Users Only	

14	Does your state actively develop and promote the use of data sharing agreements?
None needed because everyone participates in the public domain	

15	Does your GIS Council or State Coordination Office actively participate in The National Map?
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Yes

Hot Topics

1	Does your state have a shared Orthoimagery Program that involves local and state agencies?
Yes	

2	Have you completed a Return on Investment (ROI) Study or Cost Benefit Analysis (CBA) to justify a shared Orthoimagery Program?
No	

3	Please provide a URL link so we can obtain a copy of your ROI or CBA study.
Not Applicable	

4	Does your state have a shared Road Centerline file project that involves local and state agencies?
Yes	

5	Have you completed a Return on Investment (ROI) Study or Cost Benefit Analysis (CBA) to justify a shared Road Centerline File program?
No	

6	Please provide a URL link so we can obtain a copy of your ROI or CBA study.
Not Applicable	

7	Does your state have a statewide (or multi-jurisdictional) address database? (pick one)

8	Is this database based on individual addresses or address ranges? (pick one)

9	Have you completed a Return on Investment (ROI) or Cost Benefit Analysis (CBA) to justify this Address program? (pick one)

10	If applicable, please provide a URL link so we can obtain a copy of your ROI or CBA study. (fill-in if applicable)

11	Please tell us who was identified as the designated entity to apply for grant funds to map broadband access in your state.

Role of State GIS Coordinators

1	Please choose the mechanism that created your position.
Agency Administrative Decision	

2	Please provide the URL link for the document(s) that created your position (Legislation, Executive Order or Other Action).
No Statutory Authority, Executive Order, or Other Action	

3	Which choice most closely matches the title of your boss?
State Department/Agency Division Director	

4	What choice best describes how closely you are aligned with the State CIO?
Very Close	

5	Please select the number of staff that you supervise.
Less than 3	

6	Does your GIS Coordination Office have adequate funding to support its operation? (This refers only to the activities of your office and not to the Coordination Council, or projects like data development.)
Partially Funded	

7	What fund sources does your Coordination Office use to support its operations? (Check all that apply)
State General Funds	

8	When an administration change occurs following a statewide election is your position?
Not Likely to be Affected	

9	Please rank the importance of these characteristics/skills to the effective performance of your job.				
	Not Important	Not Very Important	Important	Very Important	Critical
GIS Evangelist/Cheerleader	-	-	-	-	-
GIS Architect	-	-	-	-	-
Political Savvy	-	-	-	-	-
Technological Savvy	-	-	-	-	-
General Management Skills	-	-	-	-	-
Procurement/Contracting Skills	-	-	-	-	-
People Skills	-	-	-	-	-
Understanding the Business Needs of Your Customers	-	-	-	-	-