

From: Dennis Goreham
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Date: 7/25/2007 4:13 PM
Subject: technology strategy

Hello,

AGRC is getting a small group together on August 15 and 16 for a GIS Technology Strategy Workshop. I would like to invite you to join about twenty total folks to initiate the process of defining the state's geospatial technology strategy.

We will meet in the State Office Building, just north of the Capitol, room 4112 from 8:00 - 5:00.

The first agenda item provides an overview of current ESRI technology to familiarize the participants on the current status of ESRI GIS technology from an enterprise perspective. This part of the workshop will provide a common base reference to aid in planning discussions

The bulk of the first day is an interactive planning session to discuss the 6 Elements of a GIS Technology Strategy. These topics are important to discuss and document; they are also important to manage over time as part of an overall IT portfolio.

- * Business and Services Overview
- * Goals and Challenges
- * Existing and Planned Architecture
- * High Level Technology Program Plan
- * Risk Analysis and Mitigation Plan
- * Skill Set, Staffing and Change Management Plan

The second day will involve going deeper into the key topics - architecture, plans, and specific high priority items.

The intent of the workshop is to help us build and manage our GIS Technology strategy, and to help get on the path to successfully leveraging geospatial technology for the future.

Thanks, Dennis Goreham
801-538-3163

Technical Session Invtees:

State:

- ✓ Matt Peters, AGRC
- ✓ Bert Granberg, AGRC
- ✓ Jeannie Watanabe, AGRC
- ✓ Dennis Goreham, AGRC
- ✓ Kristen Jensen, History ✓
- ✓ Eric Edgely, Natural Resources ✓
- ✓ Lina Haggard, SITLA ✓
- ✓ Jessica Kirby, SITLA ✓
- ✓ DEQ, Harold Sanbeck ✓
- ✓ *Ryan Walker* (Ryan, Wed)

Local

- ✓ Kevin Sato, Murray City
- ✓ Kevin Bell, Salt Lake City ?
- ✓ Jeni Siebeneck, West Valley City ✓
- ✓ Don Wood, Wasatch County ?
- ✓ Ryan Judd, Kaysville City ?
- ✓ Salt Lake County *Mark Miller* - county parties

Federal:

- ✓ Dave Vincent, USGS ✓
- ✓ Jerry Sempek, BLM ?

University:

- ✓ Brandon Plewe, BYU ✓
- ✓ George Hepner, UofU ✓
- ✓ Doug Ramsey, USU ✓

Utilities:

- ✓ James Wingate, Blue Stakes ✓

Industry:

- ✓ Steve Grise ✓
- ✓ Pat Cummens (kms) ✓
- ✓ Jeff Tucker ✓
- ✓ AppGeo ✓ *Michael Terner*

Send link to E-Gov strategic plan.

Common Bailey -

- Schedule
- Outline
- Draft and Aug
- Review - early Sept 19
mtg
- Analyze (Round 1)
Sept

1. Overview of organizational structure of GIS in your state/agency
 - Very collaboratively
 - GISAC – in State statute for coordination
 - Some state and federal offices organized: State office – integration of data provided from field – provide tech support & Field users – enter data and use data and services
 - Local governments have GIS services in a variety of departments
 - At universities, Geography typically leads GIS effort in teaching and research but other departments use GIS
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2. What were your state's most significant geospatial accomplishments?
 - Local governments have implemented GIS and use very accurate data
 - SGID
 - GPS RTK network
 - Data Sharing Agreement
 - Every county implemented GIS
 - UGIC mentoring program
 - K through 12 activities – required part of curriculum at grade levels
 - Culture of collaboration
 - Pervasive attitude of sharing
 - Complete statewide data activities (DOQs, DEMs, NHD, imagery)
 - Funding and support of rural govt GIS implementation
 - Fully integrated curriculum for GIS, remote sensing, and spatial analysis
 - IRDIAC @ USU
 -
3. What are your top 3 geospatial goals?
 - More coordination – feeling that staying informal is best
 - Communications – web stuff
 - Need to address critical issues (e.g. certification)
 - Provide better support
 - More coordination of SGID for data acquisition and maintenance
 - Inventory available data (especially local)
 - Implement federated approach
 - Popularize geospatial information and technology
 - Better market our resources
 - More training, technical guides
 - Develop tools to automate processes
 - Establish web map with interactive user input
 - Use aerial imagery and elevation for local uses
 - Create an efficient voter redistricting application
 - Increase capacity for geospatial education (faculty, classrooms, courses)

4. What do you anticipate your most significant challenges to be?

- Popularize data
- Create better data access mechanisms
- Update data in a timely manner
- Data licensing and sales issues
- Disparity between the rural and urban counties – have and have-nots.
- Finding time commitments for networking (everyone has to do regular job
 - no time for coordination and collaboration
- “Getting data in trucks.” Real time data for data users in the field.
- GIS knowledge and education
- Funding
- Management support
-

5. Many states plan to stand up common shared services; do you have a priority list of these? If so please share it.

- Centralized database
- Get data into trucks
- Data transmission (PDAs)
- Services to integrate data on the fly – deal with licensed local data, etc.
- Implement / optimize SDE (more than storage)

6. What are your top business needs/ drivers?

- Return on investment (ROI)
- Cost benefit analysis
- Use GIS to measure benefit of other activities
- Where are the utilities – right now in the field
- Digitize field boundaries from orthos
- Staffing / funding / cooperation

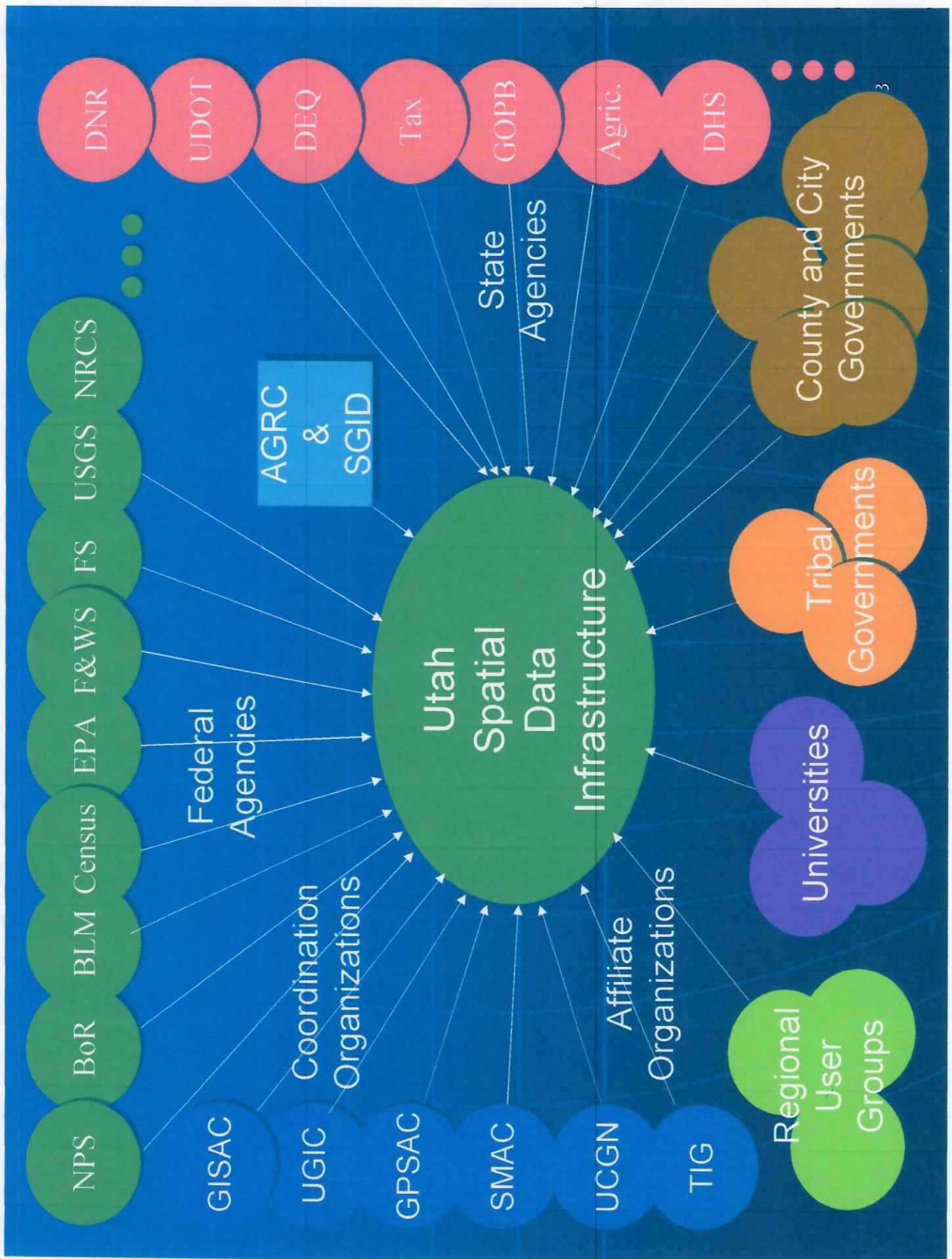
7. Do you have a matrix of business needs linked to specific products, services, and applications?

- Federated GIS
- New novel architecture
- Federated database
- Allowing to share / talk to each other – but not have to re-structure the whole internal system.
- Fit with national standards
- Integrate with Spillman CAD program in dispatch

8. If you have general current/future system architecture diagrams, please share them – Architecture requirements:

- Mirrored database sites
- Federated scheme

- Current data – data integrity
- Some attributes shared – some licensed
- Common schema
- Varies, especially across local govt: ESRI, Intergraph, Microsoft OS, HP
- Universities follow their own cyber infrastructure plans.



Business Missions and Objectives

DEPARTMENT OF ADMINISTRATIVE SERVICES

Mission: Deliver support services of the highest quality and best value to government agencies and the public.

Business Objectives

- Provide quality, low-cost services to State agencies.
- Provide accurate and reliable central management and reporting of the State's financial resources.
- Oversee the cost-effective construction and management of State facilities.
- Provide leveraged purchasing support to reduce costs to State agencies.

DEPARTMENT OF AGRICULTURE

Mission Statement: The goal of Administrative Services is to provide continuous, efficient, and high-quality administrative support and services to the public and to agency users, with a goal of assisting in the overall development of agriculture in Utah. Our motto is: Provide Exceptional Customer Service.

Business Objectives:

- Safe Food
- Healthy Environment
- Viable Agriculture

DEPARTMENT OF ALCOHOL BEVERAGE

Mission:

Business Objectives:

- Promote the adoption of sound business practices.
- Achieve efficiencies in Warehousing, Retail, & Corporate operations.
- Pursue the adoption of new (proven) technologies in accordance with market trends and industry best practices.
- Maintain an appropriately trained and equipped I.T. Support Team that is efficient, effective, and responsive to the agency's commercial functions.

DEPARTMENT OF COMMERCE

Mission: The Department of Commerce contributes to the success of Utah business, professionals, and consumers by supporting a favorable economic environment. The Department accomplishes this mission by setting and enforcing fair standards, facilitating compliance with government requirements, and providing customers with information.

Business Objectives:

- 1) Promote commerce by ensuring the prompt and appropriate licensure of qualified professionals and businesses.
- 2) Protect the public health, safety and welfare by enforcing the licensure standards of professions and businesses.

- 3) Promote frictionless access to government through the delivery of appropriate online services.
- 4) Support state enterprise initiatives which promise to provide enhanced or value-added services to the citizens of Utah.
- 5) Support new and enhanced services as assigned to the Department by the legislative process.

DEPARTMENT OF COMMUNITY AND CULTURE

Mission: To enhance the quality of life for the people of Utah, DCC creates, preserves and promotes community and cultural infrastructures.

Business Objectives:

- Department Image
- Grants Management
- Collection Management re-engineering

DEPARTMENT OF CORRECTIONS

Mission: We are corrections professionals, dedicated to protecting our community by enforcing the orders of the court and Board of Pardons. We are also dedicated to guiding offenders to become law abiding citizens through the use of professional and community resources.

Business Objectives:

None entered on last years plan

DEPARTMENT OF ENVIRONMENTAL QUALITY

Mission: safeguard human health and quality of life by protecting and enhancing the environment.

Business Objectives

- Environmental Policy
- Customer Service
- State-Based Regulation
- Partnerships
- Employees
- Policymakers Understanding of Environmental Issues

DEPARTMENT OF FINANCIAL INSTITUTIONS

Mission: Insure the safety and soundness of Utah-chartered depository institutions.

Provide quality supervision and regulation of persons, firms, corporations, associations

& other business entities furnishing financial services to the people of the state of Utah:

For Depository Institutions this mission entails maintaining their safety and soundness within a strong, competitive marketplace;

For persons or other entities providing financial services this mission entails maintaining lists of those who do business in Utah pursuant to law and ensuring credit is extended on terms that are lawful, easily understood and competitive.

Develop and improve the state's role in supervision and regulation of financial services.

Be the most efficient source of accurate, timely information and assistance to those entities providing financial services

Business Objectives

The Department of Financial Institutions will continue in its primary mission to insure the safety and soundness of Utah-chartered depository institutions.

DEPARTMENT OF HEALTH

Mission:

Business Objectives

- Determine eligibility and enroll clients in correct program
- Enroll providers, and process claims, encounter records, premium payments and other administrative transactions timely
- Provide timely accurate information to staff, stakeholders, federal partners, providers, etc.

DEPARTMENT OF HUMAN RESOURCE MANAGEMENT

Mission:

Business Objectives

- Increasing customer service
- Increasing efficiencies
- Decreasing Liability

DEPARTMENT OF HUMAN SERVICES

BUSINESS OBJECTIVES

None entered on last years plan

DEPARTMENT OF INSURANCE

Mission: Foster a healthy insurance market by promoting fair, reasonable and responsive practices that ensure available, affordable and reliable insurance products and services.

The mission of the department will be accomplished by educating, serving and protecting insurance consumers and other industry participants and other governmental agencies at a reasonable cost.

We cooperate with and serve the state and other governmental agencies in fulfilling these responsibilities.

Business Objectives

- Foster a healthy insurance market by promoting fair, reasonable, and responsive practices that enable insurers and licensees to provide available, affordable, and reliable products and services.
- Provide cost effective education to consumers, industry, and government partners.
- Provide cost effective service to consumers, industry, and government partners.
- Provide cost effective protection to consumers, industry, and government partners.
- Cooperate and serve the State and other governmental agencies. **INFLUE**

**DEPARTMENT OF NATURAL RESOURCES – RECEIVED FROM LLOYD JOHNSON
5/7/2007**

BUSINESS OBJECTIVES

- Enhancing online sales/data systems and applications to allow additional sales and information exchange with the public.
- Development of internal data systems to allow biologists and administrators access to data that is currently collected, tracked and stored in hard paper copy.
- Efficiently disseminate pertinent collected and translated geologic information to Utah citizens, the public, schools, and the scientific community about Utah's geologic hazards, geologic resources, and geologic environments electronically via the Internet and the printed word.
- Process application requests to the state engineer efficiently and effectively and maintain an organized set of records accessible to the public of information filed, actions taken, and actions pending.
- Oversee the distribution of waters of the state among water users to assure diversion and use is in conformance with their respective water rights.
- Update agency records to contain a complete and current view of water rights through adjudicative proceedings which require physical surveys and mapping throughout the state.
- Collect records of water diversion, use, and resource response to environmental and development inputs. Evaluate data for trends, apply engineering methods to assess the extent of the resource and predict the response of the water resource system to development.
- License and monitor performance of water well drillers in conformance with statutory requirements.
- Monitor the operation of dams and water conveyance facilities, inspect for safety conformance, evaluate operational potential and standards, and verify that construction standards and methods are consistent with design assumptions.
- Provide information and assistance to the public to accomplish water right related tasks using the most efficient methods practical while encouraging clear, consistent communication on the issues.
- Provide a forum for local input and communication on water right issues with all stakeholders. Work with water users to resolve water right disputes and develop water policies which are consistent with law and the view of water as the property of the public.
- Monitor compliance in areas of statutory authority and initiate enforcement proceedings when required to encourage adherence to laws of the state.
- Develop a marketing plan to increase the marketing presence of DNR and especially State Parks.
- Develop a process for oil and gas operators to submit their drilling applications electronically.

**DEPARTMENT OF PUBLIC SAFETY
BUSINESS OBJECTIVES**

Public Safety will continue to be the lead agency in the state for public safety and homeland security issues. These issues include:

- Highway safety
- Homeland security
- Emergency preparedness
- Fire safety
- Maintenance of criminal, driver, and related records
- Hazardous materials
- Criminal interdiction
- Law enforcement technology
- Education and training related to public safety.

NC

**DEPARTMENT OF TECHNOLOGY SERVICES –AUTOMATED GEOGRAPHIC
REFERENCE CENTER (AGRC)**

Mission:

Business Objectives

- Enhance the State Geographic Information Database (SGID) by adding or updating twenty layers and make the SGID content browser accessible for user preview and download.
- Involve all geospatial communities of interest to complete the State Spatial Data Infrastructure Strategic Plan.
- Provide geospatial awareness through presentations and training to four state agencies, six regional GIS user groups and two public sector organizations.
- Further develop the Utah Transportation Data Base to include centerline and address data to the point of improving geocoding results by 10% and establishing a geocoding web service.
- Improve the state cadastral database by adding 10% more parcels and 5% more corners and validate five counties jurisdictional boundary data.
- Expand coverage of The Utah Reference Network (TURN) GPS by adding 10 base stations.
- Implement a Project Management system that requires all AGRC projects identify major objectives, timelines, and budgets.
- Review implemented technology and identify where business needs are not being met or where technology is under-utilized or does not have a compelling business need.
- Switch to a dynamic content oriented, searchable web site.
- Identify current and future professional development needs based on business requirements, and implement a training plan for each AGRC staff member.
- Review current responsibilities and projects to better allocate resources to meet budget constraints.

**DEPARTMENT OF TECHNOLOGY SERVICES-DIVISION OF ENTERPRISE
TECHNOLOGY**

BUSINESS OBJECTIVES

None entered on last years plan

DEPARTMENT OF TRANSPORTATION

Mission: "Quality Transportation Today, Better Transportation Tomorrow."

Business Objectives

- Take Care of What We Have
- Make the Transportation System Work Better
- Improve Safety
- Increase Capacity

DEPARTMENT OF WORKFORCE

Mission: Department of Workforce Services provides employment and support services for our customers to improve their economic opportunities

Business Objectives

- Public Assistance Eligibility
- Case Management & Employment Counseling
- Core Services
- Federal Reporting
- Labor Market Information
- Unemployment Benefits
- Unemployment Taxes
- New Hires
- Wage Data
- Child Care
- QCEW
- Imaging
- Federal Contracts
- Telecommuting & Communications
- Administration and Finance

GOVERNOR'S OFFICE**BUSINESS OBJECTIVES**

None entered on last years plan

GOVERNOR'S OFFICE OF ECONOMIC DEVELOPMENT**BUSINESS OBJECTIVES**

None entered on last years plan

UTAH LABOR COMMISSION**BUSINESS OBJECTIVES**

- Make the workplace safer
- Make the workplace free from discrimination
- Promote fair practices in buying, selling and renting property
- Ensure all Utah worker are covered by workers' compensation insurance

UTAH TAX COMMISSION – VALIDATED BY KEVIN VANAUSDAL 5/2/07**BUSINESS OBJECTIVES**

- Do it right the first time
- Better tools for better results
- Allow great people to do great work
- Make compliance easier
- Make evasion harder