

I. Welcome – Elias Cortez, Director, Department of Information Technology

Director Cortez welcomed participants and gave an overview of the state's capability to manage disasters by utilizing information technology. –At the recent National Association of State Chief Information Officers (NASCIO) conference, the representatives from New York explained how they wished they were better prepared for the terrorist attacks. In hindsight they saw GIS as being the single most important tool for disaster preparedness.

For California to be better prepared to utilize GIS in a disaster, we need to improve two things: communication and security. This will require all of us to share the data we already own and work cooperatively to obtain new data. The challenges for a better statewide GIS are well known: standards for the data layers, security of the information and cost. These are the issues the GIS Council was created to work on. The Governor and the administration support the Council's efforts, so together we can be better prepared to solve the issues that face California, whether they come in the form of a natural disaster, terrorism or otherwise.

A. Introduction of Facilitator – Lisa Beutler

Lisa Beutler of CSU Sacramento introduced herself as the facilitator for the meeting and provided an overview of the agenda.

The goals for the meeting:

- Adopt the Council Charter
- Elect a Council Steering Committee
- Determine Next Steps

B. Councilmember Introductions

The Council members were asked to introduce themselves.

II. GIS Council Review and Adoption

Lisa Beutler introduced **Sharon Huntsman, CSU Sacramento**, who explained to the participants that the charter had been revised since the last council meeting. Through a series of conference calls held in September, Council members suggested substantive and grammatical changes to the Charter. Sharon highlighted the substantive changes.

After going through the Charter Lisa Beutler asked if there were any revisions to the latest draft. **Lt. Colonel O'Brien, Army Corps of Engineers**, proposed that the Council form a Sub-Committee for data security in the wake of the events of September 11th. He offered to draft a proposal to be presented at the next Council meeting.

With no further questions or comments **John Tuteur, Napa County**, moved the item with **Richard Mader, Southern California Association of Governments**, seconded the motion. Lisa Beutler asked for a voice poll. The participants all voted aye and the charter was adopted.

II. Election of the Steering Committee

Lisa Beutler asked the newly formed Council to review the biographies of the Council members who have volunteered to serve as the Council's Steering Committee. **John Tuteur** made a motion to adopt the slate of candidates for the steering committee, which **Richard Mader** seconded. A voice poll was taken to elect the Steering Committee. All participants voted in favor of the candidates.

The candidates included:

- Chair: Mary Nichols, Secretary, California Resources Agency
- Co-Vice Chair: Donna Hansen, Deputy City Manager, City of Modesto
- Co-Vice Chair: Liza Lowery, CIO & Executive Director, Dept. of Telecommunications and Information Services, City/County of San Francisco
- Local Government: Jim Simms, Director of Information Services, Southern California Association of Governments
- State Government: Paul Jacks, Deputy Director, Governor's Office of Emergency Services, Disaster Assistance Division
- Federal Government: David Peterson, Acting Division Chief, NASA, Earth Sciences Division

Appointed Steering Committee Member

Liza Lowery, the newly elected Co-Vice Chair of the Council thanked the Council members for their vote of confidence in the Steering Committee.

Lisa Beutler then introduced Ron Brummett, Kern Council of Governments, who has volunteered to serve as the chair of the regional subcommittee. Without objection, Mr. Brummett was appointed by the Council to Chair the Regional Subcommittee.

Regional Subcommittee: Ron Brummett, Executive Director, Kern Council of Governments

Overview of GIS and Homeland Security

In preparation for a discussion and decision on action items, Council members were provided with an overview briefing on GIS and Homeland Security issues from the perspective of State, Federal, and Local Government.

Jim Watkins, Governor's Office of Emergency Services.

California, GIS and Homeland Security

The State of California has always faced a variety of threats and is a world leader in responding to natural disasters. With the September 11 terrorist attacks, our focus has shifted to man-made disasters and terrorism. In April, the Governor's Office of Emergency Services (OES) updated the state plan to respond to terrorism. The new plan called for the creation of a committee to meet on a continuing basis to proactively address terrorism-related issues. The Statewide Strategic Committee on Terrorism (SSCOT) was formed to serve that purpose.

Looking specifically at terrorism, the State is not yet prepared to respond to a terrorist attack the magnitude of the World Trade Center. We lack crucial information about our assets and much of what is available is costly, inadequate, or difficult to share. The GIS Council needs to work collaboratively to address these issues and therefore help California better prepare for, prevent, or respond to terrorism.

Responding to Homeland Security GIS needs will require an unprecedented amount of coordination and data integration. The information needed for Homeland Security is far more detailed and complex than that needed for natural disasters or policy making. Data layers on the scale of census tracts are inadequate. We learned from the September 11th attacks that law enforcement will need to know building floor plans, telecommunication systems, etc in order to respond. To be prepared for terrorism, standards have to be developed, information has to be shared, and communication has to be ongoing. The GIS Council is the only body that will be able to coordinate the information necessary across state, federal and local jurisdictions. The goals of this Council, envisioned prior to the 9-11 attacks, is more important than ever.

Gary Darling, CA Geographic Information Officer

Survey of US States' Response to Homeland Security and GIS

Gary Darling convened several conference calls of state Geographic Information Officers to gather and share information regarding GIS and Homeland Security. Participating states and challenges that California may face in the months ahead.

State Geographic Information Officers participating:

- ▪ California
- ▪ Kansas
- ▪ Kentucky
- ▪ Louisiana
- ▪ Maryland
- ▪ New York
- ▪ North Carolina
- ▪ South Carolina
- ▪ Texas
- ▪ Utah
- ▪ Wyoming

Concerns and Barriers Regarding Geographic Information

- GIS could be used to further terrorist objectives
- It's difficult to determine what data layers should not be publicly available.
- In other States, some local governments are refusing to share their data. and Federal governments with the security of their information.
- Data needed for homeland security is lacking (may not exist, may not be used, might not know it exists)

How Do We Prioritize Critical Information Infrastructure?

- What data is needed depends on the scenario selected. In California,
- The cost of private sector data rises in a crisis.
- Government still charge fees to other levels of government for data.

Questions

Lisa Beutler asked Gary what issues were raised during the conference calls that brought up particularly interesting responses. Gary said the debate over what data layers should be taken offline because of security concerns. This question was still being heavily discussed.

With no other questions, Lisa told the participants that if any other questions arose, they could e-mail them to Gary Darling at gary@gis.ca.gov.

Alan Mikuni, United States Geological Survey

Federal Homeland Security Support

Efforts for GIS and Homeland Security on the federal level are being directed by the U.S. Geological Society (USGS) and the National Imagery and Mapping Agency (NIMA). USGS is the principal agency for developing maps of the United States. NIMA, formerly the Defense Mapping Agency, is charged with supporting the defense community mapping needs to meet national security objectives. Together they are setting the priorities for developing and distributing data layers pertaining to homeland security through a joint-initiative entitled Geo-spatial Assurance.

<p>United States Geological Survey</p> <p>USGS: The Nation's Civilian Mapping Agency</p> <ul style="list-style-type: none"> • Mission: ensure geographic information over the United States and its Territories • Focus on public domain data • Executive Order 12656 and Presidential Decision Directive-63 • Connect the U.S. Defense community with domestic geographic infrastructure 	<p>National Imagery and Mapping Agency</p> <p>NIMA: The Nation's Defense Mapping Agency</p> <ul style="list-style-type: none"> • Mission to provide geographic information and services to U.S. Defense Agencies in support of national security objectives • Focus in the past has been on classified information for foreign intelligence • Has requested USGS support on domestic geographic information 	<p>IS.</p> <p>necessary</p> <p>is asked leaving</p>
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Ultimately, the goal of the Geospatial Assurance initiative is to meet federal, state, and local needs through cooperative planning and implementation.

California Pilot Project

Currently, USGS is working with the Office of Emergency Service to develop a National Map pilot for Homeland Security. The pilot will focus on a California city or region to:

- Define the critical infrastructure data sets required for homeland security.
- Integrate these data sets to create a seamless and accurate tool.
- Determine how to meet the data requirements of all levels of government.
- Identify challenges to data integration and meeting the needs of all levels of government that will provide guidance to ongoing homeland security efforts.

Requests of the California GIS Council

- Executive-level leadership to gain unprecedented support for collaboration
- Endorsement and support of the Homeland Security National Map Pilot of OES and USGS

Local Efforts for Homeland Security

City of Modesto, Robert Baker

In Modesto, the community and decisionmakers already understand the importance of GIS. The city recently pursued and was awarded a grant from the federal government for disaster preparedness and terrorism and is already mapping its critical facilities. Modesto is also working with other governments within Stanislaus County to share GIS information.

Placer County, Richard Burton

GIS also presents many opportunities for the health sector. Today, many health officers are working with antiquated technology to track rates and locations of infections and illness. This system is highly inefficient, especially in comparison to what could be possible through GIS. There are many excellent models out there already including the Healthberry pilot in Los Angeles and the Washington Communicable Disease System. The California Department of Health Services already tracks infections through a system called REACT, but it isn't geographically based.

Council member Comments:

David Peterson, NASA – thought if this was a direction the GIS Council was going to take regarding health, the field of landscape epidemiology has been heavily researched by NASA over the last 10 years. The system developed by NASA may be of some use to understanding the spread of disease.

Paul Jacks, OES – Mentioned that there is a disconnect between the GIO, CIO and the program workers about the importance of GIS. It is critical that program people realize that GIS is a programmatic issue, not a technology issue.

BREAK

After a break, Lisa Beutler reconvened the meeting and asked if there were any general questions that the Council would like to pose.

Donna Hansen, City of Modesto - asked what staff would be made available for the GIS Council and also asked for clarification of the role and expectations of the Steering Committee.

- Gary Darling, CA GIO – explained that staff and resources will come from a variety of state agencies and from dues paid to the council by its members. And since most of the work will be done at the local level, participants in the regional councils are expected to also provide limited resources.

Meeting Action Items

Lisa Beutler asked the council to review action items thus far in the meeting.

1. GIS Council to form a Homeland Security Subcommittee to coordinate California's response to Homeland Security/GIS needs. The Subcommittee will:
 - Identify GIS components of Homeland Security needs
 - Build consensus on GIS requirements to support those needs
 - Identify entity to receive and disseminate geographic information related to Homeland Security.
2. GIS Council to form a Data Security subcommittee to be chaired by Lt. Colonel O'Brien, Army Corps of Engineers.
 - A proposal for the sub-committee will be drafted for the next GIS Council meeting.
3. GIS Council to endorse the USGS National Map/Homeland Security Pilot Project, working in conjunction with the Homeland Security subcommittee, to define and validate GIS needs and requirements.

Lisa asked for a voice vote for the three action items. Without dissension all items were passed. With the approval of the sub-committee for data security, Lisa asked for volunteers to help Lt. Col. O'Brien with the proposal.

The following GIS Council members volunteered:

Paul Jacks, OES

Richard Burton

Donna Hansen, City of Modesto

Mitzi Higashidani, CA Health and Human Services Agency

Lisa Beutler called upon **Ron Brummett, Kern COG**, elected chair of the Regional Subcommittees, to provide an overview on his ideas to form the Regional Subcommittee.

Ron Brummett noted that most of the Council's work was going to be done at the regional and local levels. And since many of these local regions already have collaboratives in place, the regional council should reflect these local patterns. Mr. Brummett offered to work with a subcommittee of the Council and other stakeholders to create a draft regional council structure for the Council's consideration at its next meeting.

Lisa asked any volunteers to help Mr. Brummett draft a plan for the charter of the Regional Subcommittee to e-mail Sharon Huntsman or David Esselman.

Comments

John Tuteur, Napa County - suggested that the OES regions might be a good starting point.

Paul Jacks, OES – agreed and stated that the system had worked for the past 50 years. The system is based on a county structure and may be easier to deal with.

Dave Keirlein, OES and Gary Darling, CERES -offered to provide regional maps that had already been created through other processes.

With no further comments, Lisa asked that the GIS Council review the action items before adjourning.

III. Final Action Items

Task

- Create proposal for subcommittee on security
Owner: Lt. Colonel O'Brien, Army Corps of Engineers
- Create proposal for regional subcommittee structure
Owner: Ron Brummett, Kern COG
- Provide Mr. Brummett with maps for regional districts
Owners: Gary Darling CERES; Dave Keirlein, OES

Next Meeting

March 6th, 2002

This meeting will be in conjunction with the Calgis conference in Sacramento. Those who wish to register may do so at www.calgis.com

IV. Adjourn

Liza Lowery, Co-Vice Chair, thanked everyone for their hard work and adjourned the meeting.