

## NATIONAL GEOSPATIAL ADVISORY COMMITTEE MEETING

April 17 – 18, 2012

### Minutes

The National Geospatial Advisory Committee (NGAC) held a public meeting from 8:30 a.m. to 5:30 p.m. on April 17, 2012 and from 8:30 a.m. to 4:00 p.m. on April 18, 2012. The meeting was held at the American Institute of Architects (AIA) Building in Washington, DC. In accordance with the requirements of the Federal Advisory Committee Act, the meeting was open to the public.

#### **NGAC Members present:**

Jerry Johnston (Vice-Chair)

Robert Austin

Richard Clark

Jack Dangermond

David DiSera

Joanne Gabrynowicz

Bert Granberg

Kass Green

Randy Johnson

Laurie Kurilla

Jim Kwolek

Xavier Lopez

E. Donald McKay

Anne Hale Miglarese

Kimberly Nelson

Timothy Nyerges

Matthew O'Connell

Jack Pellicci

Mark Reichardt

Cynthia Salas

Eugene Schiller

Anthony Spicci

Gary Thompson

Gene Trobia

Molly Vogt

David Wyatt

#### **NGAC Members not present:**

David Cowen (Chair)

Patrick Olson

Anne Castle, Chair of the Federal Geographic Data Committee, and Ivan DeLoatch, Executive Director of the Federal Geographic Data Committee and Designated Federal Officer (DFO) for the NGAC, were also in attendance.

#### **Other Attendees:**

Sergei Andronikov (Synthegis, Inc.), David Beddoe (Intergraph), Dierdre Bishop (Census Bureau), Jim Bjostad (NGA), Wendy Blake-Coleman (EPA), Nancy Brelos (Intergraph), Stephen Bryce (ESRI), Don Buhler (BLM), Bill Burgess (NSGIC), Kaitlin Chell (Lewis-Burke Associates), Carmen Constantine (Vistrionix, Inc.), Pat Cummins

(ESRI), Mark DeMulder (USGS), Tommy DeWald (EPA), Erin Engle (Library of Congress), Brady Foust (CoreLogic), Kevin Gallagher (USGS), Tricia Gibbons (Lead Alliance), Gregory Hanks (Census Bureau), Deepak Hathiramani (Vistrionix, Inc.), Jon Heinsius (Intermap), Dennis Klein (Boundary Solutions, Inc.), James Knudson (Michael Baker, Jr.), Kaelin Kuhn (GAO), Roxanne Lamb (FGDC), Tony LaVoi (NOAA), Butch Lazorchak (Library of Congress), Vicki Lukas (USGS), Arista Maher (FGDC), John Mahoney (FGDC), Charles Mondello (Pictometry), Shyam Parhi (FAA), Bruce Quirk (USGS), Ken Shaffer (FGDC), Lea Shanley (Woodrow Wilson Center), Howard Shuster (CoreLogic), Jon Sperling (HUD), Cory Springer (Ball Aerospace & Technologies Corp.), Larry Sugarbaker (USGS), Curt Sumner (ACSM), Tim Trainor (Census Bureau), Allen Wainger (Michael Baker, Jr.), Bill Wilt (GeoEye).

## **TUESDAY, APRIL 17:**

### **Call to Order and Welcome**

Dr. Jerry Johnston, the NGAC Vice Chair, called the meeting to order at 8:30 a.m., welcomed the committee members and audience to the meeting, summarized the meeting agenda, and asked members and attendees to introduce themselves. Dr. Johnston noted that he would be chairing the meeting in NGAC Chair Dr. David Cowen's absence. Dr. Johnston also announced that he had recently accepted a new position as the Geospatial Information Officer (GIO) for the Department of the Interior (DOI).

### **Review and Adoption of January 2012 Meeting Minutes**

Dr. Johnston reviewed the draft minutes of the January 12, 2012 NGAC meeting and called for approval.

**DECISION:** The NGAC adopted the minutes of the January 12, 2012 meeting.

### **Leadership Dialogue**

Anne Castle, FGDC Chair, provided an update on recent activities of the FGDC, along with perspectives on the issues NGAC members would discuss during the meeting. She also asked for the NGAC's feedback on several issues to be discussed at the upcoming Steering Committee meeting on Thursday, April 19. The issues addressed by Ms. Castle included the following:

Since the last NGAC meeting in January, the FGDC staff and the Executive Committee (ExCom) have taken the lead in developing and refining the Business Plan for the Geospatial Platform. Ms. Castle first addressed the governance of the Geospatial Platform. She noted that it is important to have a broad-based, but functional governance structure for the Platform. The Geospatial Platform Business Plan calls for an oversight body composed of ExCom members, GIOs, representatives from the CIO Council, representatives from the Office of Science and Technology Policy (OSTP), and State, local, and Tribal representatives. Ms. Castle noted that this recommendation would be discussed at the Steering Committee meeting. The Managing Partner designation is another issue that was discussed. She noted that the FGDC ExCom had recommended that the FGDC Secretariat assume the role of Managing Partner of the Geospatial Platform, with the full support of the Department of the Interior. She indicated that this issue would be also be discussed at the April 19 Steering Committee meeting.

Regarding the funding strategy of the Geospatial Platform, Ms. Castle stressed the importance of having a viable and stable long-term strategy. The ExCom has developed a recommended shared funding strategy that includes multiple Federal agency commitments. The funding strategy also will be discussed at the April 19 Steering Committee meeting.

Ms. Castle next spoke about the FGDC Guidance to NGAC, which describes a set of study questions for NGAC review. She indicated that she looked forward to hearing the dialogue on this topic.

She also discussed the ongoing Government Accountability Office (GAO) review of Federal geospatial programs. She noted that GAO has expanded the review to examine the implementation status of three data themes:

Hydrography, Geodetic Control, and Transportation. GAO is meeting with agencies responsible for these themes (USGS, NOAA, and DOT). Some in-person follow-up interviews will be conducted with the FGDC Secretariat and members of the subcommittees and working groups within FGDC supporting these themes.

Ms. Castle also provided a brief update on the LightSquared/GPS issue. She noted that additional testing related to the LightSquared proposal revealed harmful interference with GPS devices, and that the FCC subsequently denied the LightSquared permit application.

Ms. Castle also discussed the recently created NGAC Landsat Advisory Group and provided a brief recap of the April 16 meeting of the group. Ms. Castle expressed her appreciation to the NGAC for focusing on this issue. Ms. Castle engaged in a dialogue with the committee and thanked the committee members for their continuing efforts.

### **Remarks from NGAC Chair**

NGAC Chair Dave Cowen joined the meeting via teleconference and provided brief welcoming remarks and thanked the NGAC members for their work since the last meeting.

### **FGDC Guidance to NGAC**

Ivan DeLoatch, Executive Director of the FGDC, provided an overview of the 2012 guidance provided to the NGAC by the FGDC. The guidance was developed based on discussions with the FGDC leadership and committees, as well as input from the NGAC. Several priority issues have emerged from these discussions: the Geospatial Platform, Landsat, and several data-related issues (including the OMB Circular A-16 Supplemental Guidance, the National Enhanced Elevation Assessment, the National Address Database, and the National Hydrography Database). Mr. DeLoatch indicated that Federal leads for each of these issue areas had been identified. The Federal leads will work with the NGAC members to provide background information and assist in addressing the study questions identified in the guidance. The Federal leads are as follows:

- Geospatial Platform (Jerry Johnston, DOI)
- Landsat (Bruce Quirk, USGS)
- A-16 Supplemental Guidance (Ivan DeLoatch and Ken Shaffer, FGDC)
- National Enhanced Elevation Assessment (Kevin Gallagher and Larry Sugarbaker, USGS)
- National Address Database (Tim Trainor, Census Bureau)
- National Hydrography Dataset (Mark DeMulder, USGS; and Tommy Dewald, EPA)

Other geospatial programs and initiatives within the focus of the FGDC were discussed as well, including efforts related to Broadband Mapping, Geolocation Privacy, Geospatial Workforce Development, National Geologic Mapping, National Parcel Data, *The National Map*, Transportation for the Nation, and Tribal Geospatial Activities and Issues. Mr. DeLoatch noted that the FGDC Secretariat looks forward to further discussions with the NGAC on these and other issues.

Mr. DeLoatch noted that the following sessions during the meeting would be used to further define and explore the issues described in the guidance.

### **Geospatial Platform**

Dr. Jerry Johnston provided an overview of the Geospatial Platform Business Plan and other recent Geospatial Platform activities and led a discussion on guidance, expectations, and outcomes for the Geospatial Platform.

The Geospatial Platform Oversight Body, which is described in the Platform Business Plan, will play an important role in that it provides for abroad-based governance mechanism for the Platform. The membership of the Oversight Body may include FGDC ExCom Members, agency Geospatial Information Officers (GIOs),

representation from the Office of Science and Technology Policy (OSTP); and involvement from State, local, and Tribal governments. Mr. Johnston also discussed several other aspects of the Platform Business Plan, including the roles and responsibilities of the Managing Partner, the proposed funding strategy, and the strategy for project management support.

The FGDC has requested feedback from the NGAC on the following points:

- Provide feedback and comments on the *Geospatial Platform Business Plan*, particularly the sections dealing with governance and metrics.
- What are the incentives that the Federal government should consider providing to encourage non-Federal contributions to the Platform?
- What are the best mechanisms for identifying ongoing requirements for the Platform and potential contributions to the Platform from our State/Regional/Local/Tribal partners?
- Provide suggestions on particular applications or services that should be implemented on the Platform

Anne Miglarese, Chair of the NGAC Geospatial Platform subcommittee, provided a summary of initial observations on the draft version of the Geospatial Platform Business Plan. She indicated that the Platform subcommittee would meet on Monday, April 23 and all NGAC members were encouraged to attend and provide comments and suggestions. NGAC members were asked to submit their comments on the Geospatial Platform Business Plan to Ms. Anne Miglarese. The NGAC members engaged in a general discussion on the Platform business plan and next steps for the subcommittee.

**ACTION:** The NGAC Geospatial Platform Subcommittee will meet on April 23 to discuss and synthesize NGAC comments on the Geospatial Platform business plan. The Subcommittee Chair invited other NGAC members to participate in the teleconference. Draft NGAC comments on the business plan will be developed by May 11.

#### **FGDC Update/Review of NGAC Recommendations**

Ivan DeLoatch provided an overview of recent FGDC activities and the actions resulting from NGAC recommendations. Highlights included the following:

##### Standards

- The FGDC Coordination Group voted to recommend that the Steering Committee adopt the *Coastal and Marine Ecological Classification Standard (CMECS)* as an FGDC standard. The Steering Committee will hold an electronic vote on adoption.
- The National Geodetic Survey (NGS) released the draft Shoreline Data Content Standard for a period of external review that closed Friday, April 13.
- GSA is reactivating the Federal Buildings and Facilities Geospatial Data Content Standard project under the leadership of John Sullivan ([john.j.sullivan@gsa.gov](mailto:john.j.sullivan@gsa.gov)).

##### FY 2012 NSDI Cooperative Agreements Program

- Awards announced on April 2
- 23 awards were made across 7 categories
- Information at <http://www.fgdc.gov/grants>

##### GeoCloud Initiative

- Selected ten projects that will be deploying either ArcGIS Server or OpenGeo Suite using secure Amazon Web Services in partnership with HHS and eGlobalTech.

- Focus this year is on deployment of common software ‘platforms’ for shared security certification and Web Services for geospatial data to be registered with the Geospatial Platform.

#### NGAC Recommendations

- Provided summary of actions taken to address NGAC recommendations.
- Expressed gratitude for thoughtful and insightful recommendations and advice, which have helped shape important FGDC activities.

#### 2012 NGAC Call for Nominations

- 10 of the 28 current NGAC appointments expire 12/31/12.
- FGDC will hold open briefing on nomination process – May 2012.
- Information will be posted on NGAC website.

**ACTION:** The FGDC will issue a call for nominations in late May/early June 2012 for the next round of appointments to the NGAC. FGDC will hold an open briefing on the nominations and appointments process in May 2012.

#### **NGAC Innovative Strategies Paper**

Dr. Timothy Nyerges led a discussion of the draft NGAC paper on *Innovative Strategies for Geospatial Programs and Partnerships*. A timeline of the progress the Innovative Strategies subcommittee made on the paper was shared. Significant changes to the paper occurred following the January 2012 NGAC webinar. Some of the changes since then include significantly shortening the paper from 15 pages to 5 pages, eliminating the “Barriers” section, and consolidating the recommendations. Dr. Nyerges indicated that the next steps would be to discuss modifications to the paper based on the progress of the Geospatial Platform, revise the language and content based on the discussions at the meeting, to consider opportunities to work with partners across the geospatial community, and consider future discussions and activities in support of the white paper recommendations and implementation of the Geospatial Platform.

NGAC members were asked for their suggestions and feedback on the paper. The group suggested changes to the language in the “overarching recommendation” in the paper. The NGAC unanimously approved the paper, with the revised language.

**DECISION:** The NGAC adopted the paper on *Innovative Strategies for Geospatial Programs and Partnerships*, as revised.

#### **National Enhanced Elevation Assessment**

Kevin Gallagher (USGS) provided an overview of a USGS-led elevation study, the National Enhanced Elevation Assessment (NEEA), which was initiated in August 2010 and completed in December 2011. The project was sponsored by the National Digital Elevation Program (NDEP) member agencies. USGS conducted the assessment with contract support from Dewberry, Inc. Project partners included NGA, FEMA, NRCS, and NOAA. The study – an extensive, 800 page survey – was led by Dewberry. The benefits for business uses were discussed, including flood risk management, infrastructure and construction management, natural resource conservation, etc. Up to \$13 billion in annual benefits could potentially be saved through the data acquisition initiatives for enhanced elevation data.

Mr. Gallagher introduced “3DEP,” or the “3D Elevation Program” as the new brand for the proposed program. This name denotes that the program is more than bare earth. The annual benefits of 3DEP to agencies were shown in a presentation. The proposed funding strategy is a cooperatively funded program to be managed by USGS.

A major next step in the development and funding of a national program is defining the governance process for managing the requirements and planning for the partnership. The proposed funding strategy is a partnership, not a general pooling of funding for the common good. The participating agencies' needs are integrated into the planning process for scheduling acquisitions and deliveries. The challenge will be to plan large area acquisitions (5,000 square miles or more) to maintain the economy of scale and keep costs down. It is expected that the states will have a large role in this initiative, as they have with programs like the National Agriculture Imagery Program (NAIP).

### **National Hydrography Dataset**

Tommy Dewald (EPA) provided an overview and status of the National Hydrography Dataset (NHD). NHD is the surface water component of *The National Map* that contains features such as lakes, ponds, streams, rivers, canals, dams and stream gages. It contains a flow network that allows for tracing water downstream or upstream. NHD is used in a broad array of applications, which can be generally grouped into 6 categories (Hydrology, Environmental Protection, Resource Management, Fisheries Management, Emergency Response, and Mapping/Cartography). Mr. Dewald noted that the needs and interests of each category are different.

Mark DeMulder (USGS) led a brief discussion on the need for feedback on the NHD. The NHD was developed as a partnership between USGS and EPA, and is maintained by a network of State, local, regional and Federal data stewards. They are looking for feedback on a variety of issues, and are therefore conducting a number of assessments related to potential uses for the dataset. A pilot stewardship assessment was recently conducted to better understand the needs and challenges of data stewards. A report of this pilot stewardship assessment currently exists in draft form and will continue to be refined. Once the findings are determined, they will be used in creating a National Stewardship Assessment to determine best practices and success factors nationwide. They hope to eventually study the uses and benefits of the NHD in a format similar to the NEEA as well.

The NGAC members were asked for their feedback on the NHD. Specifically, NGAC members discussed how the stewardship and funding models can be enhanced to accelerate development and stewardship to better enable current and emerging uses. Standardization of databases was also discussed. Ideas for increasing collaboration and support of the NHD were shared.

### **NGAC Subcommittee & Point-of-Contact (POC) Reports**

A session was held for brief updates from NGAC subcommittees and POCs.

- *Bob Austin* provided an update on the National Broadband Map. Since the map was released online in February 2011, the site has drawn about 643,000 visitors. APIs allow users to “crawl” the map. The biggest lesson learned by the team was to use APIs.
- *Joanne Gabrynowicz* provided an update on privacy issues. A draft report by the Federal Trade Commission (FTC) on privacy protection was issued last year. The final report was recently released, and it includes a footnote regarding geospatial data. The FTC is advocating an “opt-in” approach for consumer data privacy. Ms. Gabrynowicz also spoke about a Supreme Court case (*U.S. v. Jones, 2012*) regarding the use of GPS by law enforcement to track criminal suspects. In that ruling, the Supreme Court stated that using GPS in those circumstances falls into the realm of the Fourth Amendment and is thereby a violation of privacy as it constitutes a warrantless search.
- *Laurie Kurilla* spoke about two recent court cases involving California counties relating to use of their geospatial data. Santa Clara County lost their lawsuit, and Orange County won. The California Supreme Court will review the Santa Clara case.
- *Gary Thompson* spoke about recent developments regarding *The National Map*.

- *Gene Trobia* spoke about Transportation for the Nation (TFTN). The U.S. Department of Transportation (DOT) has completed the TFTN Strategic Plan. DOT is exploring options to fund the initiative.
- *Tony Spicci* provided an update on Imagery for the Nation activities.
- *David Wyatt* spoke about Tribal activities and management of land records. There are discrepancies between the level of land record information that Tribes have and that the Federal government has – usually, Tribes have more information than BLM.
- *Dave DiSera* spoke about the Workforce Development efforts. In March, the Workforce subcommittee provided a presentation on the NGAC workforce paper to the FGDC Coordination Group.

### **Day 1 Wrap-Up/Planning for Day 2**

The Vice Chair summarized the day's activities, made announcements regarding logistics, and provided an overview of the agenda for Day 2 of the meeting.

### **Adjournment for Day 1**

The Vice Chair adjourned the meeting at 5:00 p.m.

## WEDNESDAY, APRIL 18:

### Welcome, Summary of Day 1, Overview of Agenda

NGAC Vice Chair Jerry Johnston provided a summary of the previous day's events and an overview of the agenda for day 2.

### Landsat

Bruce Quirk (USGS) provided an update on the status of the Landsat program. The Department of the Interior (DOI) began its space-based observation of the Earth in 1966 with Project EROS (Earth Resources Observation Satellites). In present day, the recent National Space Policy specifically calls out the responsibilities for Land Remote Sensing and specifies that the USGS will conduct research and manage a global land surface data national archive, which includes the collection and distribution of the data to both U.S. government and other users. The Policy directs the Secretary of the Interior through the Director of the USGS to work with the NASA Administrator to maintain a program for operational land remote sensing observations.

In 2008, the U.S. Geological Survey made the entire Landsat archive (over 3 million images) available to the public over the internet, at no cost to users. This has allowed for a wide variety of users and consequently, greater demand for data. Agriculture, education, forestry, fire, land change, and climate change are among the most predominant uses of Landsat data.

Study topic areas for the new Landsat Advisory Group were discussed. Landsat 5 and 7 satellites are well beyond their design lives. After Landsat 8 is launched in 2013, there are no other missions planned or funded. Opening the Landsat archive has revolutionized global change research. Additionally, the President's Space Policy directs USGS to determine the operational requirements for land surface data and to maintain an operational land remote sensing program. July 23, 2012 will mark the 40th anniversary of receiving the first images of Landsat 1. The forty-year record of Landsat observations is a remarkable resource for the global science community, supplying continuity and context for making comparisons of Earth observations over several days or through several decades.

Kass Green provided a summary of the activities of the recently-established Landsat Advisory Group (LAG) of the NGAC. The membership of the group was briefly reviewed. The membership includes a mix of NGAC members, academics, and private industry representatives. The kick-off meeting took place on March 27, followed by a second meeting on April 16.

The direction from FGDC to the Landsat Advisory Group includes the following areas:

- Current and future Landsat information definitions and methods for accessing and distributing these products
- Future Landsat Program plans and efforts in coordination with the National Earth Observations (NEO) Task Force
- Priorities and communication of the Landsat Program
- Review and comment on the National Research Council report on implementing a sustained Land Imaging Program.

Two immediate tasks of the group are to provide advice on whether the U.S. government should charge for Landsat data, and to provide a summary of the economic benefits of Landsat data. Anne Castle has requested preliminary feedback on these two tasks by May 2012.

**ACTION:** The NGAC Landsat Advisory Group (LAG) will address two initial study topics:

1) Summarize the value of Landsat data, and 2) Provide feedback on the issue of charging fees for Landsat data. The LAG will provide initial feedback on these topics by May 2012.



### **National Address Database**

Tim Trainor (Census Bureau) provided an overview of issues related to the development of a National Address Database, including the need to reduce duplication of effort and realize cost savings, as well as to assist in updating mailing addresses.

Gene Trobia also discussed the need for a National Address Database. Mr. Trobia discussed a background paper that was prepared to provide relevant information to the NGAC members. Public safety is a major driver for a National Address Database. Address data is generated at the local level, and they have a business need to keep that data current, especially with respect to 9-1-1 operations. While public safety is one of the major drivers for address data, it is not the only business need. Stakeholders in all levels of government have a role in the process of developing the National Address Database.

### **National Elevation Program Resolution**

The NGAC reviewed the draft resolution on a National Elevation Program as discussed during the first day of the meeting. The NGAC approved the following recommendation:

#### **RECOMMENDATION:**

“The NGAC endorses a national elevation program (i.e., 3D Elevation Program, or 3DEP) as described in the National Enhanced Elevation Assessment conducted by the U.S. Geological Survey (USGS). The NGAC encourages the USGS, the Department of the Interior, and Federal partner agencies to refine, adopt, and implement this program in partnership with other levels of government, academia, and the private sector.”

### **A-16 Data Themes and Data Sets**

Ivan DeLoatch provided an overview of the revised OMB Circular A-16 Supplemental Guidance data themes and associated data sets. He thanked Wendy Blake-Coleman (EPA) for her leadership in this effort.

OMB Circular A-16 Supplemental Guidance was issued in November 2010. This document defines and clarifies selected elements of OMB Circular A-16, which establishes a framework for portfolio-based management of National Geospatial Data Assets (NGDA). There is great value in portfolio management, especially because of reduction of duplication of effort and cost reductions following from that. The portfolio management process also provides accessibility and promotes a shared services environment.

In the process of evaluating the data themes and data sets, the data themes were consolidated from 34 to 17. The new themes were approved by the FGDC Steering Committee in October 2011. The status of each of the new themes was described, including amendments to the definitions and theme lead agencies of each. .

The next steps in the process are to finalize the Theme Lead Agencies and the initial array of data sets under each theme and finalize this with the Steering Committee, to identify actual theme and data set managers, to develop training curriculum and materials, and complete theme implementation plans.

The NGAC members were asked for their input on whether there are significant gaps in the themes/data sets lists, how state/local/Tribal governments and other stakeholders can participate, and how stakeholders can develop sustainable models for data theme and data set development and maintenance.

## Public Comment Period

An opportunity for comment was afforded to members of the public who signed up in advance to do so.

### Stephen Lowe (USDA)

Mr. Lowe stated that he is working on his PhD at the University of Glasgow, Scotland, and that he would appreciate NGAC member participation in case studies for his dissertation on management strategy. Specifically, he would like to include a case study on the Federal geospatial program. He noted that he would send an e-mail with details for those who would like to participate.

### Curt Sumner (American Congress on Surveying and Mapping)

Mr. Sumner stated that he would like to express his appreciation of the NGAC geospatial workforce white paper. He offered whatever assistance or expertise the ACSM can provide in working to achieve goals of the initiative.

### Dennis Klein (Boundary Solutions)

Mr. Klein provided remarks on an IAAO study on sharing geospatial data. He urged the NGAC to encourage Federal, State, and local governments to go "open" regarding data sharing.

### Jon Sperling (HUD)

Mr. Sperling provided comments on a National Address Database. He stated that HUD is involved in data-linking with address databases, including using vacancy data in tandem with addresses. After the Gulf of Mexico disaster, HUD matched parcel data with address data. HUD is also collecting parcel data for 127 counties for a neighborhood stabilization program.

## 2012 FGDC Guidance/NGAC Action Plan Discussion

Vice Chair Jerry Johnston led a discussion on NGAC follow-up actions and next steps related to the 2012 FGDC guidance. The NGAC members participated in small group discussions around several different issue areas. The NGAC agreed on the following actions:

**ACTION:** FGDC will revise and finalize the 2012 NGAC guidance based upon discussions at the April NGAC meeting. The NGAC Chair, Vice Chair, and DFO will finalize membership and chairs for new NGAC subcommittees to address the topics in the guidance.

**ACTION:** FGDC will work with subcommittee chairs to schedule meetings with federal subject matter experts to address guidance topics.

**ACTION:** FGDC will collaborate with NGAC members and other stakeholders to assess geolocation privacy issues and potential approaches to address this topic.

## Lightning Sessions

Members were given opportunity to provide brief announcements about key geospatial initiatives and other activities of interest to the geospatial community.

- *Dick Clark* presented on the recent geospatial activities of State CIOs in the Western states. He also spoke at a meeting of the National Governor's Association regarding the Job Creation Act, part of which deals with Broadband Mapping and public safety wireless.
- *Mark Reichardt* presented on OGC's framework of open standards. He stated that currently, there is a heavy focus on communities of interest with respect to open standards. For instance, standards on aeronautical information are widely used by aviation clients.

- *Jim Kwolek* gave an update on a commercial imagery study through ODNI which was recently concluded. Senior decision makers will be deciding on the FY 13 budget pertaining to commercial imagery based on the results of the study.
- *Bert Granberg* presented on Utah's new state clearinghouse website. Datasets, services, and applications are listed together. Many keywords are included to increase searchability.

### **Meeting Summary/Wrap-Up**

The results and actions from the meeting were briefly summarized. The next NGAC meeting will be held on September 18-19, 2012 at the American Institute of Architects (AIA) in Washington, DC.

### **Meeting Adjournment**

The Vice Chair adjourned the meeting at 4:00 p.m.

### **Certification**

I hereby certify that, to the best of my knowledge, the foregoing minutes are accurate and complete.

Dave Cowen, Chair, National Geospatial Advisory Committee

Jerry Johnston, Vice Chair, National Geospatial Advisory Committee

Ivan DeLoatch, Designated Federal Officer, National Geospatial Advisory Committee

These minutes will be formally considered by the Committee at its next meeting, and any corrections or notations will be incorporated in the minutes of that meeting.

***NOTE – These minutes were approved by the NGAC on September 18, 2012***

## **April 2012 NGAC Meeting Summary of Presentations and Handouts**

The following is a list of the presentations and handouts from the meeting. These meeting materials are posted along with the minutes at: [http://www.fgdc.gov/ngac/meetings/april-2012/index\\_html](http://www.fgdc.gov/ngac/meetings/april-2012/index_html)

### **FGDC Guidance to NGAC**

- 2012 FGDC Guidance to NGAC
- NGAC Guidance Overview 2012

### **Geospatial Platform**

- Geospatial Platform Business Plan Presentation

### **FGDC Update/Review of NGAC Recommendations**

- FGDC Report -Review of NGAC Recommendations

### **NGAC Innovative Strategies Paper**

- NGAC Innovative Strategies Paper – Briefing
- NGAC Innovative Strategies Paper

### **National Enhanced Elevation Assessment**

- NEEA Presentation

### **National Hydrography Dataset**

- NHD Presentation

### **NGAC Subcommittee & Point-of-Contact (POC) Reports**

- Broadband Mapping Program Update

### **Landsat**

- Landsat Presentation – Quirk
- Landsat Subcommittee Report – Green

### **National Address Database**

- Address Issues –Trobia
- National Address Database Background Paper

### **A-16 Data Themes and Datasets**

- NGAC A-16 Presentation

### **Lightning Sessions**

- Open Geospatial Consortium Activities – Reichardt
- Utah Election Support Activities – Granberg