

**NOAA, National Geodetic Survey
HEIGHT MODERNIZATION COORDINATION MEETING
DRAFT NOTES**

Date: Thursday, March 10, 2011

Time: 2:00-3:30 pm East Coast time

Attendee list may be incomplete.

Attendees:

Call-ins from: AK (Pat Kalen), Dave Zilkoski (NC), NGS (Perky Falconer, Dan Callahan)

Silver Spring: NGS (Mark Howard, Jonetta Johnson, Michael Dennis, Juliana Blackwell, Gilbert Mitchell)

Advisors/Coordinators: Marti Ikehara (CA), Pam Fromhertz (CO), Chris Pearson (IL), Denis Riordan (MS), Cliff Middleton (TX)

Introduction/Welcome (Gilbert Mitchell)

Monthly presentation

NOAA's Aeronautical Survey Program - Mark Howard, Senior Geodesist, National Geodetic Survey

NGS, in partnership with the Federal Aviation Administration (FAA), supports airport geodetic control, runway, navigational aid, obstruction, and other aeronautical data that is critical to the operation of the National Airspace System. (presentation)

Speaker biography:

Mark Howard is in his 25th year working for the National Geodetic Survey (NGS). The vast majority of that time has been spent with the Aeronautical Survey Program, specializing in the use of field and photogrammetry collection methods to support program goals. During his career, he has managed to commit every conceivable mistake, and several that were inconceivable. He has had the great privilege to work under pioneers in the field of geodesy and photogrammetry. For the last 7 years Mark has served as the Aeronautical Survey Program Manager and is NGS liaison with the Federal Aviation Administration (FAA). As a Michigan native, Mark is a fan of Detroit Red Wings and Lions. Mark received a B.S. in Geology from Lake Superior University (82).

If you thought of any questions after the meeting, or were unable to attend but have questions after viewing the presentation, please contact Mark Howard (Mark.Howard@noaa.gov).

NGS Activities

Gilbert Mitchell: Gilbert overviewed upcoming events as attached to these notes.

The 2010 Federal Geospatial Summit Proceedings are now available online, as well as the meeting notes and presentations for all monthly Height Modernization meetings

Chris Pearson: HTDP 3.1 is now available on the website.

Marti Ikehara: NGS GRAV- D was in California Jan 3-Feb 24, 2011. All of planned missions for Northern California and Southwestern Oregon were accomplished. New acronym MOAA (military operated aircraft area).

Cliff Middleton: Texas the geoid slope validation project reconnaissance is underway. There are more marks that need to be set on the route that was chosen than was expected.

Dave Zilkoski asked Cliff to report on the results of the subsidence study just done of the Harris Galveston Coastal Subsidence District. Dave was in Galveston for a week to look at things that were done in the district throughout the year. Inconsistencies and anomalies that have been apparent were resolved. A paper was sent to Ross Mackay and should be finalized soon. These results will go into updating the subsidence model in the area. It should result in the ability to quickly get out updates to heights in subsidence monitors. Dave Z suggested Cliff go to the SPAR

Michael Dennis – Intl Great Lakes Datum project is moving along. Leveling projects in Wisconsin and Mississippi may need to be readjusted.

Updates from States – e.g. outreach, projects

Chris Pearson (IL) A seminar of Geodesy and a lecture being given at NIU?

Patrick Kalen (AK): Thank you to NGS representatives that went to survey mapping conference in Anchorage, Alaska.

Pam Fromhertz (CO): Colorado just had annual Rocky Mountain Conference which went well (over 200 people attended). March 19 a chapter of the PLSC called the Colorado Spatial Reference Network will be planning an educational day on the Survey USA NSPS event.

Dave Z: David Mooneyhan had contacted him about DOT Transportation Reauthorization, and suggested this is an opportunity for Spatial Reference Centers to start talking about positioning. Dave suggested NGS needs to be talking about positioning but from the direction of automated machine guidance rather than CORS, etc. Dave's Transportation Research Board group is looking at how to improve the geoid model to support using GPS for automated construction applications, and they have drafted something for this but Dave thinks NGS needs to look at this draft and make sure it is consistent with what NGS would be able to support.

Other business

Please send any feedback on the new format of the meetings (i.e. invited speakers) to Renee Shields (renee.shields@noaa.gov).

Next meeting: Thursday, April 14, 2011; 2:00-3:30 East Coast Time

Recent Past Events

January 26, Hershey, PA – Pennsylvania Society of Land Surveyors 2011 Conference, NGS Real Time GNSS User Guidelines

February 2-5, Honolulu, HI - Hawaii Land Surveyors Association Annual Conference

February 2-5, Atlantic City, NJ – (NJSPLS) Height Modernization workshop

February 10-11, St. George, UT – Utah Council of Land Surveyors 2011 Convention

February 17, Springfield, IL – Illinois Society of Professional Land Surveyors (ISPLS) annual meeting, Modernization of the NSRS

February 21-25, Anchorage, AK – Alaska Surveying and Mapping Conference

February 23-25, Frankenmuth, MI – The Michigan Society of Professional Surveyors 70th Annual Meeting

February 24, Morgantown, WV – WV Society of Professional Surveyors Annual meeting, Best Methods of RT GNSS Positioning: a Field Guide

February 27 – March 2, Annapolis, MD – National States Geographic Information Council (NSGIC)

March 3-5, Aurora, CO – Professional Land Surveyors of Colorado Rocky Mountain Surveyor Summit

Upcoming Events

March 11, Ames, IA – Society of Land Surveyors in Iowa

March 21-24, Houston, TX – SPAR (3-D imaging, remote sensing, and GIS)

March 28-30, Hershey, PA - GIS-T

April 7, 2010 – Riverside, CA – Riverside Flood Control and Water District, “State of the NGS” presentation

April 7-8, Linthicum Heights, MD – Maryland Society of Surveyors

April 13-14, New Cumberland, PA – Great Lakes Region Height Modernization Consortium workshop and meeting

April 14-15, Little Rock, AR – Arkansas Society of Professional Surveyors Spring Conference and Meeting

April 19-21, La Vista, NE – Nebraska GIS Symposium

May 26, La Jolla, CA – at Scripps Institution of Oceanography, California Spatial Reference Center semi-annual Coordinating Council Meeting

June 20-21, New Orleans, LA – National Real Time meeting

July 7-15, San Diego, CA – ACSM sponsors Survey Summit in conjunction with ESRI

July 17-21, Chicago, IL – Coastal Zone 2011