

NOAA, National Geodetic Survey
HEIGHT MODERNIZATION COORDINATION MEETING
DRAFT NOTES
SSMC3, Room 8836

Date: Thursday, February 14, 2012
Time: 2:00-3:30 pm East Coast time

Attendees:

Call-ins from: CA (John Canas), ID (Rayce Ruiz), KY (Wolfgang Ziegler), MI (Shawn Roy), NC (Dave Zilkoski), NGS (Dan Callahan, Michael Dennis, Jim Richardson, Bill Henning, Erika Little, Dan Winester), OR (Ken Bays), SC (Dick Woods, Matt Wellslager), WA (Dave Steele)

Silver Spring: NGS (Christine Gallagher, Monica Youngman); CO-OPS (Michael Michalski)

Advisors/Coordinators: Marti Ikehara (CA), Pam Fromhertz (CO), Ed Carlson (HI), Dave Rigney (MI), Scott Lokken (NC), Mark Armstrong (OR)

Note:

It is NGS' habit to only capture names of attendees who speak up at the initial roll call or during the meeting. We respect those who may wish to attend anonymously. If you want your name captured in the recorded notes, and you do not see it listed here, email Christine.Gallagher@noaa.gov, or ngs.htmod@noaa.gov.

1. NGS and Height Mod related announcements:

a. NGS Training (Erika Little)

There will be a webinar on GRAV-D and the GSVS on Feb 28. For more information, visit the web page: <http://www.ngs.noaa.gov/training/>

b. Observations and Analysis Division (Michael Dennis):

-Recently loaded the results from the GPS vertical adjustment of the 2010 LA and 2009 MS Height Mod projects. It included 835 stations and the results are published with a 2009.55 epoch. Some constraints were bench marks with heights determined using Vertical Time Dependent Positioning (VTDP), and those marks are published as third order leveled heights.

-Marti, Michael, and Dave Z continued a discussion about the how to publish elevations determined by VTDP in the database, and it was suggested that the topic be addressed more in depth at a future meeting

-NGS is moving forward in its effort to "Re-invent Bluebooking." A project charter will be formally submitted to NGS leadership to ensure that the work can move forward with dedicated resources.

-GEOCON and GEOCON11, two coordinate transformation tools, were recently released as Beta products. Each product transforms coordinates between specific realizations of the North American Datum of 1983 (NAD 83). They include accuracy information; however, they can only use bluebook generated files as an input. Additionally, users should not use output of the tools as geodetic control. See the full announcement at: http://www.ngs.noaa.gov/web/news/Beta_Release_of_GEOCON_and_GEOCON11.shtml

c. RTN Symposium (Bill Henning):

-Hotel for the RTN symposium is still not finalized so even though we have the dates and city (Memphis, May 29-30) set, we can't speak definitively or put up the registration page until that happens. Response has been good, however and we expect some great feedback from public and private RTN Operators and users to help with our direction forward.

d. National Height Modernization Program (Christine Gallagher):

-The Height Mod Partner meeting is still planned for Apr 30-May 1 in Frankfort, KY. Funding for non-NGS attendees is not currently available. We will have local hotel information available soon, along with meeting building address. There is announcement on the Height Mod web-page, and it will continue to be updated. See <http://www.ngs.noaa.gov/heightmod/PartnerMeeting.shtml>.

2. Other announcements / questions (Open to all callers):

None

1. Monthly presentation

**Gravity for the Redefinition of the American Vertical Datum (GRAV-D)
Monica Youngman, National Geodetic Survey**

Since 2008, NOAA's National Geodetic Survey (NGS) has been flying airborne gravity over the nation to allow for the creation of an improved gravity field through blending of satellite, airborne, and surface data sources. By 2022, NOAA will transition to a gravity-defined vertical datum, accessible to anyone with a Global Navigation Satellite System (GNSS) receiver. This presentation will outline the progress of the airborne survey and the release of data products to both the NGS geoid team and the public via the GRAV-D website.

Monica Youngman has been working on the GRAV-D project since October 2011. She supports Dr. Vicki Childers, GRAV-D Project Manager, on many project tasks and leads the management of the budget, survey and flight planning, data releases, and performance tracking.

2. Other Business

Important Links: Previous months' meeting notes and a list of future meeting presentations can be found at: <http://www.ngs.noaa.gov/heightmod/MeetingNotes.shtml>

Next meeting: March 14, 2013

Guest Speakers: Comparing GNSS and leveling-derived orthometric heights, Kevin Kelly (ESRI, Inc.) and Jay Satalich (California Department of Transportation)

Recent Past Events

Dec 3-7, 2012, San Francisco, CA – American Geophysical Union Fall Meeting

Upcoming Events

Jan 9-11, 2013, Saratoga Springs, NY – New York State Association of Land Surveyors

Jan 22-25, 2013, Ellensburg, WA – 2013 Washington Council of County Surveyor (WCCS) Survey Camp

Jan 23-25, 2013, Salem, OR – 2013 Professional Land Surveyors of Oregon Conference

January 25-26, 2013, Clovis, CA – CSU Fresno Geomatics Engineering Conference

Jan 27-31, 2013, Miami Beach, FL - MAPPS 2013 Winter Conference

Jan 31-Feb 1, 2013, Bangor, ME – Maine Society of Land Surveyors Annual Conference

Feb 7-8, 2013, Corvallis, OR – 2013 Oregon State University – Geomatics Workshops – Basic GNSS and Using the ORGN

Feb 11-13, 2013, Denver, CO - International LiDAR Mapping Forum

Feb 19-22, 2013, Bellaire, MI – 72nd Annual Meeting of the Michigan Society of Professional Surveyors

Feb 20-21, 2013, Missoula, MT – 2013 Montana Association of Registered Land Surveyors (MARLS) Conference

Feb 25-27, 2013, Washington, DC - Esri Federal GIS Conference

Feb 26-28, 2013, Sandy, UT – Utah Council of land Surveyors Annual Convention

Feb 28-Mar 3, 2013, Arvada, CO - Annual Rocky Mountain Surveyors Summit

Mar 12-13, 2013, Washington, DC - MAPPS Federal Programs Conference

Mar 15-17, 2013, Albuquerque, NM - New Mexico Professional Surveyors Conference

Mar 24-28, 2013, Baltimore, MD - ASPRS Annual Conference

Sept 16-19, 2013, Providence, Rhode Island – GIS-PRO '13 (URISA Annual Conference)