

Civilian GPS Service Interface Committee
U.S. States and Local Government Subcommittee
Regional Meeting - Honolulu, Hawaii
June 23 – 24, 2009

Minutes

The meeting was held at the Honolulu Coast Guard Station on Sand Island, Oahu, Hawaii. The meeting began at 9:00 am, Tuesday, June 23, and followed the attached agenda.

Between 37 and 50 people attended the two day conference with attendees representing the Military, Federal Government, State Government, Academia, Consultants, and business. In addition to fulfilling a requirement under the Charter for CGSIC USSLGS to provide an open forum for civil user information exchange, the meeting also provided information on:

- Updates on GPS and GPS augmentation systems
- Identify the common needs of state and local governments for GPS and GPS augmentation information
- Identify information requirements and methods
- Maintain a list of active points of contact in state and local governments, and
- Conduct state and local government GPS information studies

There were 12 presentations ranging from updates and status reports of systems to information on applications. All presentations can be found on the Coast Guard Navigation Center's web site, under CGSIC, U.S. States and Local Government Subcommittee:

http://www.navcen.uscg.gov/cgsic/meetings/USSLS/Hawaii_June_2009/Hawaii_23June_2009.htm

After each presentation, questions were answered by the presenter, and often, discussions continued on related issues with active participation by all. The knowledge level of the audience varied from experienced practitioners to less experienced users. In all cases the participants were interested in how they could use GPS and GPS augmentations more fully, and what future capability would bring.

Prior to closing the conference on Wednesday afternoon, June 24, 2009, the participants were asked to share their views and concerns relative to GPS and GPS augmentations. Some of the general themes shared:

- Ensure that GPS Modernization remains on schedule
- Support High Accuracy development of NDGPS
- Evaluate the need for another Wide Area Reference Station in Hawaii
- Continue to support the ongoing Height Modernization effort in Hawaii
- Add additional CORS in Hawaii
- Continue to have open forums and encourage greater participation

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Tuesday, June 23, 2009

9:00 - Welcome/Introductions

CAPT Edwin B. Thiedeman, Commanding Officer USCG Navigation Center
Co-Chair, Civil GPS Service Interface Committee

9:05 - What is the Civil GPS Service Interface Committee?

Rudy Persaud, USDOT/Federal Highway Administration
Chair, U.S. State and Local Government Subcommittee

Meeting Objectives

- Learn about the Federal GPS and augmentation systems
- Provide an open forum for civil user information exchange
- Identify the common needs of state and local governments for GPS and GPS augmentation information
- Identify information requirements and methods
- Maintain a list of active points of contact in state and local governments
- Conduct state and local government GPS information studies

9:30 - U.S. Positioning, Navigation and Timing (PNT) Policy – Overview

Maureen Walker, U.S. Department of State Department Representative to the National Space- Based PNT Coordination Office

10:00 - GPS Constellation Briefing

Captain Benjamin Barbour, U.S Air Force
Second Space Operations Squadron, Schriever AFB

10:45 - GPS Modernization

Captain Damond L. Smith, U.S Air Force AFSPC 2 SOPS/MAX Flight Commander,
Schriever AFB

11:15 - U.S. Coast Guard Electronic Navigation

LT Lee J. Hartshorn, USCG Headquarters

1:00 - Nationwide Differential GPS – Capabilities and Potential

Timothy Klein, NDGPS Coordinator USDOT/Research and Innovative Technology Administration

1:30 - National Park Service – Use of Positioning Systems for Support of the Vegetation Inventory and Long Term Monitoring

Greg Kudray, Ph.D., Pacific Island Network Inventory and Monitoring Coordinator
DOI/National Park Service

2:00 - Importance of GPS Water Vapor Data in Forecasting Weather Hazards

Steven Businger, Ph.D., C.C.M, Department of Meteorology, University of Hawaii

2:45 - High Accuracy NDGPS

Jim Arnold, USDOT/Federal Highway Administration

3:15 - Nationwide Differential GPS (DGPS) Project Status

LT Bion Holbrook, U.S Coast Guard Navigation Center

3:45 - DOT Highways Plan for the Height Modernization in Hawaii

Christopher Guerin, Hawaii DOT

4:15 - General or innovative applications for local representative

Wednesday, June 24, 2009

8:30 - Welcome

Rudy Persaud; USDOT/FHWA

8:35 - Using CORS and OPUS for Positioning

Dr. Richard Snay, NOAA/National Geodetic Survey

9:05 - Optimizing the Benefits of GPS and NDGPS for Agriculture and Natural Resources

Mike Rasher, USDA/Natural Resources Conservation Service

9:35 - Using WAAS for sub-meter mapping

Eric Gakstatter, *GPS World* Magazine

10:20 - General Discussion

- a) General or innovative applications for local representative
- b) How can you benefit from the services provided by CGSIC?
- c) And how can we help

1:15 - Panel Open Discussion for GPS and GPS Augmentations Topics & Issues

3:00 - End of meeting

Official Posting:

http://www.navcen.uscg.gov/cgsic/meetings/USSLS/Hawaii_June_2009/Hawaii_23June_2009.htm