



# PUBLIC NOTICE

Federal Communications Commission  
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**FCC's Office of Engineering and Technology, International Bureau,  
Public Safety and Homeland Security Bureau, and Wireless Telecommunications Bureau  
Announce Agenda for Workshop on GPS Protection and Receiver Performance**

The FCC's Office of Engineering and Technology, International Bureau, Public Safety and Homeland Security Bureau, and Wireless Telecommunications Bureau provide additional details about the previously-announced Workshop on GPS Protection and Receiver Performance scheduled for June 20, 2014 in the Commission Meeting Room (TW-C305), 445 12<sup>th</sup> Street, S.W., Washington, D.C., 20554.<sup>1</sup> The workshop will examine GPS and Global Navigation Satellite System (GNSS)<sup>2</sup> protection and receiver performance capabilities and the radiofrequency (RF) environment in frequency bands near the Radionavigation-Satellite Service (RNSS)<sup>3</sup> spectrum, with an emphasis on Critical Infrastructure and Public Safety uses of GPS.

## AGENDA

**9:00 am-  
12:00 pm**      **Welcome and Opening Remarks – FCC Chairman Tom Wheeler**

*Introductory Remarks:*

**Admiral David Simpson**, Chief, FCC Public Safety and Homeland Security Bureau

**Tutorial:** Growth of wireless and GPS industries.

**Steve Koenig**, Director of Industry Analysis, Consumer Electronics Association

**Panel 1: Importance of GPS for Critical Infrastructure and Public Safety Users**

*Panelists:*

**Rob Crane**, Homeland Security Advisor, National Coordination Office for the U.S. Space-Based Positioning, Navigation, and Timing

**Jim Higgins**, Deputy Regional Director, Northeast Region, FCC Enforcement Bureau

**David Turner**, Vice Director, Office of Space and Advanced Technology, Department of State

<sup>1</sup> See Office of Engineering and Technology, International Bureau, Public Safety and Homeland Security Bureau, and Wireless Telecommunications Bureau Announce Workshop on GPS Protection and Receiver Performance, Public Notice, DA 14-684 (rel. June 2, 2014).

<sup>2</sup> GNSS is a system of satellites that provide autonomous geo-spatial positioning with global coverage. GPS is considered to be the first GNSS.

<sup>3</sup> RNSS is a radiodetermination-satellite service used for the purpose of radionavigation. A radiodetermination-satellite service is a radiocommunication service for the purpose of radiodetermination (position determination via the propagation properties of radio waves) involving the use of one or more space stations. The 1559-1610 MHz band is allocated to the RNSS (space-to-Earth) on a primary basis worldwide. 47 C.F.R. §§ 2.1, 2.106.

**Greg Buchwald**, Distinguished Member of the Technical Staff (DMTS) Engineer, Motorola, Inc.  
**Cormac Conroy**, Vice President, Engineering and Product Management, Qualcomm  
**Terry Hall**, Second Vice Chair, National Public Safety Telecommunications Council  
**Joseph Marx**, Assistant Vice President, Federal Regulatory, AT&T

*Moderators:*

**Karl Kensinger**, FCC International Bureau  
**Eric Panketh**, FCC Public Safety and Homeland Security Bureau

**11:40 am-  
12:00 pm**

**Keynote:**

**Major General Robert Wheeler**, Deputy Chief Information Officer, Department of Defense

**12:00 pm-  
1:00 pm**

**Lunch Break**

(Attendees are encouraged to bring lunch or to purchase lunch in the FCC courtyard restaurant.)

**1:00 pm-  
5:00 pm**

**Panel 2: Protecting RNSS Spectrum and GNSS Operations**

*Panelists:*

**Jim Arnold**, Senior Engineer, Department of Transportation Spectrum Management  
**James Champion**, Principal Action Officer, Office of Department of Defense Chief Information Officer  
**Chris Helzer**, Chief Engineer, FCC Wireless Telecommunications Bureau  
**Donna Bethea-Murphy**, Vice President, Regulatory Technology, Iridium Communications Inc.  
**Cormac Conroy**, Vice President, Engineering and Product Management, Qualcomm  
**Andy McGregor**, Systems Engineer, Ericsson  
**Geoff Stearn**, Vice President, Spectrum Development, LightSquared  
**Nelson Ueng**, Principal Engineer, T-Mobile

*Moderators:*

**Ed Drocella**, Chief, Spectrum Engineering and Analysis Division, National Telecommunications and Information Administration (NTIA) Office of Spectrum Management  
**Michael Ha**, Deputy Chief, Policy and Rules Division, FCC Office of Engineering and Technology

**Panel 3: GPS/GNSS Receiver Performance**

*Panelists:*

**Marc Weiss, Ph.D.**, Time and Frequency Division, National Institute of Standards and Technology, Chairman, Workshop on Synchronization in Telecommunication Systems  
**Javad Ashjaee**, President and CEO, JAVAD  
**Ron Borsato**, Principal Architect, Spirent Communications PLC  
**Scott Burgett**, Director, GNSS and Software and Technology, Garmin International  
**Paul Galyean**, Consultant, Deere and Company  
**Chris Hegarty**, Director, Communications, Navigation, and Surveillance Engineering and Spectrum, MITRE Corp.  
**Sandy Kennedy**, Director, GNSS Receiver Engineering, NovAtel Inc.

Moderators:

**Bob Pavlak**, Electromagnetic Compatibility Division, FCC Office of Engineering and Technology

**Ron Repasi**, Deputy Chief, FCC Office of Engineering and Technology

**Break**

**Panel 4: GPS Certification and Transition Plans**

Panelists:

**Ray Swider**, Program Analyst, Office of Department of Defense Chief Information Officer

**Karen VanDyke**, Director, Positioning, Navigation, and Timing, U.S. Department of Transportation

**Scott Bergmann**, Vice President, Regulatory Affairs, CTIA The Wireless Association

**Ron Borsato**, Principal Architect, Spirent Communications PLC

**Milton Clary**, Aerospace Policy Analyst, Overlook Systems, Inc.

**Jim Kirkland**, President, GPS Innovation Alliance, General Counsel, Trimble Navigation

Moderators:

**Julius Knapp**, Chief, FCC Office of Engineering and Technology

**Karl Nebbia**, Associate Administrator, NTIA Office of Spectrum Management

**5:00 pm**

**Wrap Up**

**Julius Knapp**, Chief, FCC Office of Engineering and Technology

**Attendance.** This workshop is open to the public. The FCC will attempt to accommodate as many attendees as possible; however, admittance will be limited to seating availability. Due to the high number of anticipated attendees and security check-in procedures, all attendees are advised to arrive 30-60 minutes prior to the panel of interest. Attendees are not required to pre-register, but may submit their name and company affiliation ahead of time by sending an email to Cecilia Sulhoff ([cecilia.sulhoff@fcc.gov](mailto:cecilia.sulhoff@fcc.gov)) in order to expedite the check-in process.

**Webcast.** The FCC will webcast the workshop on the FCC webpage. To view the webcast, go to the FCC web page at [www.fcc.gov/live](http://www.fcc.gov/live). Viewers will be able to submit questions during the workshop by e-mail to [livequestions@fcc.gov](mailto:livequestions@fcc.gov).

**Website.** Updates to the agenda, as well as panelists' materials will be available on the workshop's website at <http://www.fcc.gov/events/workshop-gps-protection-and-receiver-performance>.

**Accessibility Information.** Reasonable accommodations for people with disabilities are available upon request. Include a description of the accommodation(s) you will need and tell us how to contact you if we need more information. Make your request as early as possible. Last minute requests will be accepted, but may be impossible to fill. Send an e-mail to [fcc504@fcc.gov](mailto:fcc504@fcc.gov) or call the Consumer and Governmental Affairs Bureau at 202-418-0530 (voice), 202-418-0432 (tty).

For further information on the workshop, please contact Michael Ha, FCC Office of Engineering and Technology, at (202) 418-2099 or by email: [michael.ha@fcc.gov](mailto:michael.ha@fcc.gov).

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