

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

Computer Science and Telecommunications Board

500 Fifth Street, NW
Washington, DC 20001
Phone: 202 334 2605
Fax: 202 334 2318
www.cstb.org

DRAFT AGENDA* **Updated as of 02/10/2006**

Improving Spectrum Management through Economic or Other Incentives: A Workshop sponsored by the National Telecommunications and Information Administration

**National Academy of Sciences, Lecture Room
2101 Constitution Ave., NW (Entrance at 2100 C St.), Washington, D.C.**

February 28 – March 1, 2006

Note: Space is limited for this event. Information to RSVP is available online at <cstb.org>.

Tuesday, February 28, 2006

- 8:30 – 8:40 a.m. **Welcome**
Dale Hatfield, Professor, University of Colorado, Boulder, Workshop Chair
- 8:40 – 9:15 **Opening Remarks**
David Sampson, Deputy Secretary, U.S. Department of Commerce
- 9:15 – 10:30 **Topic 1: Efficiency, Quantification, and Valuation of Spectrum**
An introductory panel will present and discuss underlying concepts and goals for spectrum efficiency.
Moderator: Adele Morris, Senior Economist, Department of Treasury

Darrin Mylet, Vice President, Cantor Fitzgerald
Lawrence White, Professor, New York University
Pablo Spiller, Professor, University of California, Berkeley
Ellen Goodman, Associate Professor, Rutgers University
Merri Jo Gamble, Spectrum Manager, Department of Justice
- Q&A
- 10:30 – 10:45 Break
- Topic 2: Mechanisms, Tools, and Approaches**

The 3 panels that follow each cover a class of approaches for providing incentives for more efficient use of spectrum. Each will address particular approaches and the associated legal/policy, economic, and technical considerations; implementation issues; and lessons learned from recent initiatives. Speakers are encouraged to include in their remarks specific proposals for the use of incentive mechanisms.

* All speakers confirmed, unless otherwise noted.

- 10:45 – 12:15 **2.1 Exclusive Spectrum Rights and Secondary Markets**
Moderator: Michael Katz, Professor, University of California, Berkeley
- Thomas Hazlett, Professor, George Mason University
Evan Kwerel, Senior Economic Advisor, Federal Communications
Commission (FCC)
- Discussants:*
Prudence Parks, Federal Legislative Representative, United Telecom Council (UTC)
Mark Crosby, President, Enterprise Wireless Alliance
Brian Fontes, Vice President, Federal Relations, Cingular Wireless, (invited)
- Q&A
- 12:15 – 1:30 Break for Lunch
- 1:30 – 3:00 **2.2 Unlicensed, Short-Term, Dynamic, and Shared-Use of Spectrum**
Moderator: Kevin Werbach, Assistant Professor, University of Pennsylvania
- Paul Kolodzy, Consultant
Jon Peha, Associate Director, Center for Wireless & Broadband Networks,
Carnegie Mellon University
William Lehr, Research Associate, Center for Technology, Policy & Industrial
Development, Massachusetts Institute of Technology
- Discussants:*
Preston Marshall, Program Manager, Defense Advanced Research Projects Agency
(DARPA)
Jennifer Manner, Vice President, Regulatory Affairs, Mobile Satellite Ventures
David Donovan, President, Association for Maximum Service Television (MSTV)
Vanu Bose, President and CEO, Vanu, Inc.
- Q&A
- 3:00 – 3:15 Break
- 3:15 – 4:45 **2.3 Fee-Based and Other Mechanisms**
*Moderator: Simon Wilkie, Director, Center for Communication Law and Policy,
University of Southern California*
- Martin Cave, Director, Centre for Management under Regulation, University of
Warwick, UK
Mike Connolly, Senior Director, Spectrum Management Operations, Industry
Canada
- Discussants:*
Randolph Lyon, Branch Chief, Commerce Branch, U.S. Office of Management and
Budget (OMB)
Wayne Leighton, Economist, Federal Communications Commission (FCC) (invited)
Peter Cramton, Professor, University of Maryland, College Park
- Q&A
- 4:45 Adjourn

Wednesday, March 1, 2006

- 8:30 – 8:40 a.m. Welcome and introduction of Keynote Speaker

Dale Hatfield, University of Colorado, Boulder, Workshop Chair

- 8:40 – 9:40 **Keynote:** Hugh Railton, Former Deputy Executive Director, Asia Pacific Telecommunity (APT)
Q&A
- 9:40 – 10:00 Break
- 10:00 – 11:30 **Topic 3: International Experiences in Market-based Approaches**
Moderator: Janice Obuchowski, President, Freedom Technologies, Inc.
François Rancy, Director General, Agence Nationale des Frequences (ANFR)
Bruce Emirali, Defence Frequency Manager, New Zealand Defence Force (*invited*)
Martin Cave, Professor, University of Warwick, UK
Peter Pisch, Director of Communications Policy, Intel
Q&A
- 11:30 – 1:00 p.m. Break for Lunch
- Topic 4: User Perspectives**
Speakers have 10 minutes to provide brief perspective on spectrum incentive approaches and mechanisms.
- 1:00 – 2:30 **4.1 Government Users and Critical Infrastructure**
Moderator: Lt. Gen., Robert Shea, Director, Command, Control, Communications and Computer Systems, Department of Defense (*invited*)
Scott Pace, Associate Administrator, Program Analysis & Evaluation, National Aeronautics and Space Administration (NASA) (*invited*)
Tomas Gergely, Program Manager, National Science Foundation (NSF)
David Boyd, Deputy Director of Systems Engineering & Development in the Science and Technology Directorate, Department of Homeland Security (DHS)
Q&A
- 2:30 – 2:45 Break
- 2:45 – 4:15 **4.2 Commercial Users**
Moderator: John Muleta, Partner, Venable LLP
Charla Rath, Executive Director, Spectrum and Public Policy, Verizon Wireless
Robert Pepper, Senior Managing Director-Global Advanced Technology, Cisco
Steve Sharkey, Director, Spectrum and Standards Strategy, Motorola
Joslyn Reed, Assistant Vice President, Regulatory & International Affairs, Hughes Network System
Q&A
- 4:15 – 5:00 **Wrap Up Panel**
Dale Hatfield, University of Colorado
Jon Peha, Carnegie Mellon University
William Lehr, Massachusetts Institute of Technology
- 5:00 Adjourn