



CHARTER of the  
WIRELESS SPECTRUM RESEARCH AND DEVELOPMENT  
INTERAGENCY WORKING GROUP

SUBCOMMITTEE ON NETWORKING AND INFORMATION TECHNOLOGY RESEARCH AND  
DEVELOPMENT  
COMMITTEE ON TECHNOLOGY  
NATIONAL SCIENCE AND TECHNOLOGY COUNCIL

**A. Official Designation**

The Wireless Spectrum Research and Development (WSRD) Interagency Working Group (IWG) is hereby established by action of the Subcommittee on Networking and Information Technology Research and Development (NITRD) of the National Science and Technology Council (NSTC) Committee on Technology (CoT)<sup>1</sup>.

**B. Purpose**

The Wireless Spectrum R&D (WSRD) Interagency Working Group (IWG) coordinates spectrum-related research and development activities across the Federal Government to facilitate efficient and effective investment in spectrum sharing technologies and systems. The WSRD IWG also engages with academics, the private sector, and international public R&D agencies, and looks for opportunities across the Federal government.

**C. Objectives**

- Develop and update inventories of Federal wireless spectrum R&D projects and both Federal and non-federal testing facilities.
- Hold workshops to exchange information and gather input from Federal as well as state and local government, commercial, and academic sectors. This information is used to develop recommendations for OSTP and OMB to help guide research investments in this area.
- Work with OSTP and the NSTC to provide support and to inform policymakers on technical issues with wireless spectrum R&D.

**D. Functions**

The WSRD IWG shall perform the following functions:

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<sup>1</sup> The NSTC/CoT/NITRD was originally chartered on December 10, 1991. The most recent charter was signed July 10, 2013.

- Across-agency coordination:
  - Coordinate and collaborate across Federal agencies, other NITRD bodies, and other NSTC committees as appropriate on issues of mutual interest.
  - Develop and maintain strong and forward-looking agendas that represent the current and future evolution of Information Technology Research and Development (IT R&D) in the area of wireless spectrum sharing technologies and methodologies.
  - Identify interagency and cross-cut opportunities for collaboration, coordination, and leveraging among agencies in specific areas in wireless spectrum sharing R&D.
  - Provide a forum for agencies to exchange program-level information about agency activities (Annual Planning Meeting or Data Call).
  - Select and maintain collegial leadership and dynamic membership.
  
- Work with the NITRD Program:
  - Develop, maintain, and periodically update interagency short-, mid-, and/or long-range strategic plans and priorities.
  - Participate and support NITRD outreach (workshops, conferences, and other meetings) to support the IWG's agenda.
  - Prepare and maintain an active charter with a specific purpose and objectives.
  - Provide inputs to NITRD's annual Supplement to the President's Budget.
  - Provide inputs to NITRD's annual Activities Report summarizing the IWG's activities.
  - Schedule and participate in regularly scheduled and ad hoc meetings, and maintain documentation of the meeting discussions.
  
- Work with other stakeholders:
  - Assist and support the NITRD Subcommittee in responding to the recommendations of the President's Council of Advisors on Science and Technology (PCAST), and responding to inquiries from NSTC, Office of Science and Technology Policy (OSTP), Office of Management and Budget (OMB), and Congress.
  - Provide inputs to NSTC strategic and Federal Plans when requested.

## **E. Membership**

The following NITRD Member agencies are represented on the WSRD IWG<sup>2</sup>:

- Department of Commerce;
- Department of Defense;
- Department of Energy;
- Department of Justice;

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<sup>2</sup> Changes to membership may occur without requiring a charter amendment. After charter ratification, membership and changes to membership may be tracked in a separate document.

- National Aeronautics and Space Administration; and
- National Science Foundation.

The following components of the Executive Office of the President may also be represented on the WSRD IWG:

- Office of Management and Budget; and
- Office of Science and Technology Policy.

Federal departments, agencies, and councils that participate in the WSRD IWG's activities include:

- Federal Aviation Administration;
- Federal Communications Commission; and

such other Executive organizations, departments, and agencies as the NITRD Subcommittee or IWG Co-chairs may designate as appropriate.

#### **F. Leadership**

The Co-Chairs of the WSRD IWG shall be named and approved by the NITRD Subcommittee Co-chairs.

#### **G. Private-Sector Interface**

The WSRD IWG may work with appropriate private-sector<sup>3</sup> entities, including the President's Council of Advisors on Science and Technology (PCAST), and will recommend to the Subcommittee on Networking and Information Technology R&D the nature of any additional private-sector advice needed to accomplish its mission. The WSRD IWG may interact with and receive *ad hoc* advice from various private-sector groups, consistent with the Federal Advisory Committee Act.

#### **H. Resources**

The NITRD NCO shall provide project management, technical, information technology/networking, and administrative support services to the WSRD IWG as part of its responsibilities to the NITRD Subcommittee.

#### **I. Termination**

Unless renewed by the Co-chairs of the NITRD Subcommittee prior to its expiration, the WSRD IWG shall terminate no later than December 30, 2017.

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<sup>3</sup> The Federal Advisory Committee Act, 5 U.S.C. App., as amended, does not explicitly define "private sector", but the phrase is generally understood to include individuals or entities outside the Federal government such as, but not limited to, the following: non-Federal sources, academia, State, local or tribal governments, individual citizens, the public, non-governmental organizations, industry associations, and international bodies.

**J. Determination**

I hereby determine that the establishment of the Wireless Spectrum Research and Development Interagency Working Group is in the public interest in connection with the performance of duties imposed by the Executive Branch by law, and that such duties can be performed through the advice and counsel of such a group.

Approved:

Keith A. Marzullo, Ph.D. 3/1/16  
Co-chair  
Subcommittee, Networking and Information  
Technology R&D

James Kurose, Ph.D. 3/2/16  
Co-chair  
Subcommittee, Networking and Information  
Technology R&D