



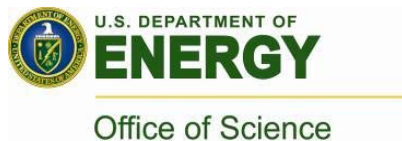
Federal Networking and Information Technology R&D Program



Wireless Spectrum R&D Senior Steering Group (WSRD SSG) Annual Activity Summary



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WSRD SSG Participating Agencies

◆ 16 Agencies:

- Air Force
- Army
- DARPA
- DHS
- DOE/INL
- DOE/Oak Ridge
- DOJ
- FCC
- NASA
- NEC
- Navy
- NIST
- NSA
- NSF
- NTIA
- OSD

WSRD SSG Mandate/Mission

- ◆ Established in November 2010 under a charge from OSTP
 - **Mission:** *Facilitate research, development, experimentation, and testing by researchers to explore innovative spectrum sharing technologies*

WSRD SSG Strategic Priorities/Objectives

◆ Objectives:

- Transparency: *What is currently being done? What needs to be done?*
- Smart Investment: *Where is the best place for the Federal Govt. to invest?*
- Solicit Opportunities: *Where are the opportunities for technology transfer with the private sector?*

WSRD SSG

Current Activities/Deliverables

◆ First Interim Report

- Delivered in June 2011; this report evaluated the initial results of the project inventory (670+ projects) and presented a strategic plan.
 - <http://www.nitrd.gov/subcommittee/wsrddprojectinventory15.pdf>
 - <http://www.nitrd.gov/subcommittee/wsrddWSRDInterimReport1v50.pdf>

◆ First Industry/Academia Roundtable

- Held in July 2011; asked panelists from industry and academia advice on what R&D gaps exist and where the federal program should invest to best promote innovation.

WSRD Upcoming Activities/Deliverables

◆ Second Interim Report

- On schedule to be delivered by late November 2011, this report describes and summarizes the results of the July 2011 workshop.

◆ Second Industry/Academia Roundtable

- Scheduled for January 2012, this workshop will focus on the need for testbeds that can simulate the requirements for spectrum sharing technologies that operate across multiple systems.

WSRD Upcoming Activities/Deliverables

◆ Third Interim Report

- Planned for April 2012; this report will summarize results from the following activities:
 - An inventory of existing testbed facilities
 - The January 2012 Roundtable

◆ Third Industry/Academia Roundtable

- Scheduled for July, 2012. This workshop will develop a set of recommendations to direct future Federal R&D on spectrum sharing technologies.

WSRD Upcoming Activities/Deliverables

◆ Fourth Interim Report

- Planned for September 2012, this report will deliver recommendations that will:
 - Propose concrete, short-term projects that will help stimulate innovation in this area
 - Offer a timeline for making steady progress towards the goals stated in the Presidential Memorandum

WSRD Summary

◆ What has become evident so far:

- The need to work closely with other agencies, but also the private and academic sectors
- This cooperation is needed to:
 - Identify opportunities for collaboration
 - Create effective incentives for sharing spectrum
 - Facilitate innovation, and
 - Make informed investment decisions.