

The Radio Spectrum Institute™

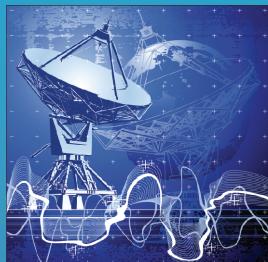
Expert spectrum management training for today's wireless landscape

Wireless is Evolving at Light Speed

From GPS to broadcasting, Wi-Fi to radar, mobile broadband to weather satellites — the uses of the radio spectrum are as broad as the imagination, and demand for wireless bandwidth is growing as fast as the technology that uses it.

Efficient management of the radio spectrum — a limited natural resource — is a vital component of meeting business goals and agency missions. Unfortunately, domestic spectrum regulation can seem byzantine and obtuse. At the international level, it's even worse.

Let the *Radio Spectrum Institute* bring clarity and practicality to the complex technical, regulatory, and policy issues that govern modern spectrum management. Our expert instructors and detailed courses provide practical *first-hand* knowledge across all facets of spectrum utilization and management.



THE RADIO SPECTRUM INSTITUTE

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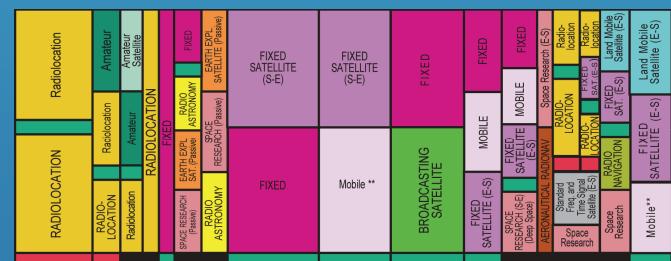
www.radiospectruminstitute.com

Our Expertise is the Difference

Radio Spectrum Institute classes are taught by veteran spectrum managers and wireless industry professionals with unparalleled expertise — well over 100 years of combined experience in private industry and federal government radio spectrum management. With FCC, NTIA, DoD, cellular, microwave, satellite, radio science, and legal backgrounds, both domestic and international, our expertise fully covers your training needs.

From technology to policy, from smart phones to smart bombs, from the U.S. to the ITU, from dc to daylight — the *Radio Spectrum Institute* has you covered.

- Public training sessions are offered on a regular basis
- Course content can be customized to meet your company's or agency's needs
- On-site training is available
- Please see <http://www.radiospectruminstitute.com> for more information



The Radio Spectrum Institute™

Spectrum Management Boot Camp

November 16th, 2011
Arlington, Virginia

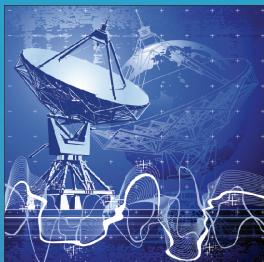
A complete one-day overview of spectrum management, divided into six sessions:

- **An Introduction to the Electromagnetic Spectrum** An overview of the basic physical and regulatory characteristics of the radio spectrum that are important to understanding the fundamental constraints that govern the effective use of this finite natural resource.

- **Spectrum Management in the United States** The radio spectrum in the U.S. is managed by two governmental entities: the Federal Communications Commission (for non-Federal users as well as state and local governments and public safety) and the National Telecommunications and Information Administration (for Federal government spectrum users). This session addresses the statutory foundations for this structure, how each manages spectrum, what spectrum users need to know to navigate both agencies, and what are the current priorities and hot-button issues at the FCC and NTIA.

- **International Spectrum Management** This course provides an overview of spectrum coordination and regulation at the international and regional levels. It also describes how the U.S. government and private industry participate in these processes, and when and how international regulations are adopted by domestic regulatory agencies.

Early registration and multi-attendee discounts available!



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- **U.S. Military Spectrum Management** An overview of special considerations related to the management of the radio spectrum by the nation's largest user: The Department of Defense. This course is invaluable to military spectrum managers, but understanding DoD's use of the radio spectrum is also critical to modern spectrum sharing scenarios and to issues related to government relocation out of spectrum that has been reallocated from the Federal government to non-government use.
- **Satellite Coordination 101** Addresses applicable provisions in the Radio Regulations, frequency sharing considerations, link budget and interference calculations, Earth station characteristics, and antenna systems. Satellite coordination is particularly challenging because satellite signals can simultaneously impact radio spectrum use across a large fraction of the Earth's surface.
- **Topics in Modern Spectrum Management** An overview of pervasive concepts that govern modern spectrum management and a discussion of a few recent and current major spectrum management examples. This course brings together many of the principles from the previous classes, and applies them to some of the most challenging issues in today's wireless landscape.

For more information, and to register, please visit
<http://www.radiospectruminstitute.com>

