

NARROWBANDING CONSULTING SERVICES

Are you in compliance with the FCC's narrowbanding mandate?

By January 1, 2013, all licensees operating between 150-174 MHz and 421-512 MHz must operate spectrally efficient systems with channels having a bandwidth of 11.25 kHz or less. This is called narrowbanding or refarming.

Failure to comply with the FCC's narrowbanding requirements may result in the automatic cancellation of your license(s). If your agency operates with non-compliant radio equipment, you may be subject to substantial fines.

Don't risk being out of compliance with the FCC narrowbanding mandate.

RCC Consultants can help.

Our team of regulatory and radio experts can help you determine whether your two-way radio system is affected by the narrowbanding mandate and what you need to do to comply with the FCC narrowbanding rules. We can help you budget for and implement changes to your system and equipment, as well as plan for and address any issues, such as coverage loss, that may result from narrowbanding.

We can:

- Identify Changes in System Coverage
- Perform an Inventory Review and Evaluation
- Identify Narrowbanding Options and Technical Assessment
- Develop a Business Case for Compliance and Provide Financial Analysis
- Assist with Procurement
- Provide Implementation Management
- Facilitate License Management and Required FCC Filings

Tuesday

Narrowbanding Due
1
January
2013

NARROWBANDING MYTHS AND REALITIES

Myth: Licensees Must Implement Digital Equipment

Reality: The FCC narrowbanding rules do not dictate that any particular type of equipment or modulation be employed. You may continue to operate analog equipment as long as it meets the FCC's narrowbanding standards. However, your agency may wish to consider an upgrade to digital technology, which is less susceptible to adjacent-channel interference or reductions in coverage.

Myth: Each Licensee Will End Up With Twice As Many Channels

Reality: Compliance with the FCC's narrowbanding requirements will not necessarily entitle you to license two narrowband channels where you previously had one wideband channel. The licensing of any additional radio channels will be subject to the frequency coordination and licensing processes.

Myth: All Systems Must Be Converted To Narrowband

Reality: All systems in the 150-174 and 421-512 MHz range must attain the FCC-required efficiency standard of one voice path in each 11.25 kHz of occupied bandwidth; or attain a sustained data rate of 4800 bps in each 6.25 kHz of spectrum. RCC can help to clarify these requirements during the analysis of your system.

Myth: Narrowbanding Is The Same As Rebanding

Reality: While narrowbanding and rebanding are both FCC-mandated changes, they are different issues. However, they are both important to an agency's ongoing communications abilities. Be sure your agency is in compliance with both initiatives by working with an expert telecommunications consultant.

RCC'S REGULATORY EXPERTISE

Our full-time regulatory experts have assisted our clients with:

- *Identifying and licensing more than 50,000 frequency sets*
- *Securing more than 20,000 FCC radio station licenses*
- *Filing more than 10,000 FCC applications for licensing in connection with narrowbanding and otherwise*

WHY CHOOSE RCC?

RCC will help you navigate through the narrowbanding process and ensure your agency is in compliance with the FCC mandate.

We differentiate ourselves in three key areas:

EXPERIENCE

For more than 25 years, RCC has focused on helping local governments and public safety agencies meet their communications needs. Our regulatory experts are some of the most experienced in the industry, and our teams use the latest technologies to maximize return on investment for our clients.

TECHNOLOGY

Our broad range of technical expertise includes the assessment, planning, design, procurement and implementation of everything your agency will need to be in compliance with the FCC's narrowbanding mandate.

INDEPENDENCE

RCC is completely neutral, unbiased and independent, focused only on providing the best custom solution for you.

RCC Consultants – Supporting the public safety community since 1983.



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