

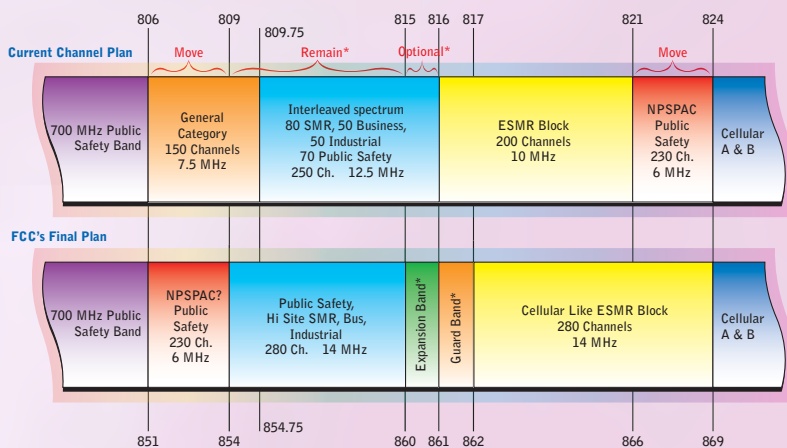
# 800 MHz Rebanding

## 800 MHz Spectrum Rebanding



The FCC has mandated a realignment, fully funded by Sprint Nextel, of the 800 MHz band to keep Sprint Nextel and other cellular operations from interfering with public safety radio transmissions. For public safety this means operational integrity must be ensured, costs fully covered, and rebanding completed in the timeframe identified by the FCC. Public safety and other 800 MHz licensees must prepare for rebanding now, given the scope and complexity of this task.

### 800 MHz Band Transition



\*No public safety system will be required to remain in or relocate to the Expanded band; although they may do so if they choose

\*No public safety or CII licensee may be involuntarily relocated to occupy the Guard Band.

\*Licensees operating cellular-architecture systems will be relocated above 817 MHz.

### Televate's technical and program management skills include:

- Providing turn-key design and operations for land mobile radio and commercial cellular systems
- Managing wireless network retunes and radio reprogramming projects
- Resolving radio interference issues and delivering responsible spectrum management strategies
- Negotiating fair and equitable transition terms for all affected parties

With our comprehensive abilities, your operational staff can focus on its core mission during rebanding, while getting positioned to meet future radio network demands. Fulfilling the FCC mandate and achieving local and regional objectives requires a partner with an unwavering commitment to success. Televate is that dedicated partner.

Televate rebanding services range from initial planning through implementation and include:

### Transition Planning

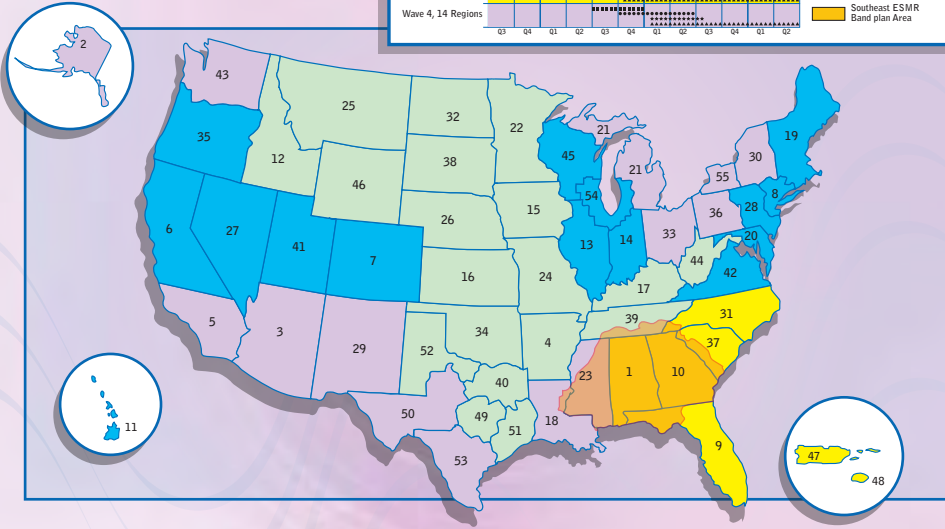
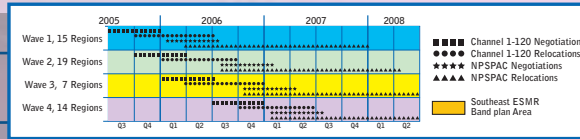
- Assess and inventory existing frequency usage and radio system network assets
- Capture and document customer interim and future operational requirements including future capacity needs and interoperability requirements
- Integrate our extensive interoperability experience into the planning process to assure capabilities are maintained and enhanced
- Quantify equipment upgrades, new procurements and technology migration requirements
- Develop comprehensive spectrum migration and rebanding implementation strategies including retune schedules, reprogramming plans, and outreach programs
- Coordinate with regional partners to create and implement a plan to minimize impact on regional interoperability
- Create defensible and comprehensive budgets for Sprint Nextel and Transition Administration (TA) review
- Develop border spectrum planning strategies



## Transition Administration Coordination

- Coordinate all relevant TA communications and interaction
- Supply appropriate application documentation and budgets
- Review and analyze TA positions and proposals and negotiate on behalf of licensee
- Supply all final support documentation

## 800 MHz Transition Plan



## Rebanding Implementation and Project Management Services

- Provide comprehensive project management to ensure a successful and timely program conclusion
- Provide scheduling, risk management, and staff forecasting
- Manage radio spectrum selection and interference mitigation efforts
- Support frequency coordination efforts in regional committee
- Oversee FCC radio channel applications and licensing
- Supervise third party vendor procurement and provide overall vendor management
- Coordinate overall radio and base station reprogramming

## Radio Infrastructure Engineering and Technical Support Services

- Develop comprehensive regional frequency plans
- Provide Independent Verification and Validation (IV&V) of Sprint Nextel and TA offered frequency plans
- Conduct field measurements to benchmark and validate pre- and post-frequency retune grade of service and interference
- Perform inter-modulation analysis
- Develop radio fleetmap and talk group designs
- Provide portable and mobile radio reprogramming services
- Design, develop, and maintain inventory tracking systems
- Provide clear end user community communications and training

## Televate Can Help You Meet the Challenge

Televate offers a comprehensive approach to help radio system operators in the Public Safety and Critical Infrastructure Industry comply with this FCC order, while maintaining full operational integrity. We have designed a suite of Pre-Negotiation, Negotiation, and Implementation services that align with the Transition Administrator (TA) Regional Priority Plan. Televate specialists will integrate with your operational environment in order to plan, coordinate, and execute a timely and efficient program.

Televate's vast experience with project, financial, and technical management of radio network upgrades and operations, combined with our expertise in frequency planning and system retunes, makes us uniquely qualified for rebanding efforts. Especially in regions where 800 MHz is used extensively and over a wide area, the transition must be carefully synchronized to avoid interference and maintain interoperability. Televate can minimize risk and help you take advantage of this opportunity to meet additional needs, such as further reducing interference, increasing regional radio capacity, and enhancing regional interoperability.

Please contact us today to start the planning phase.

