



Specific Spectrum Plan for 2007

Section 1 – Introduction – Mission and Strategic Vision for Spectrum Management

The United States Postal Service (USPS) is an independent establishment of the Executive Branch of the United States Government. It operates in a businesslike way.

In the more than two centuries since USPS began, it has grown and changed with America. Discovering the history of the Postal Service is a journey into the history of transportation, economics, industrialization, communications, and government.

Today, the Postal Service delivers hundreds of millions of messages each day to more than 141 million homes and businesses.

The Postal Service's mission is to provide the nation with reliable, affordable, universal mail service. The basic functions of the Postal Service were established in 39 U.S.C. 101(a): ". . . to bind the Nation together through the personal, educational, literary, and business correspondence of the people. It shall provide prompt, reliable, and efficient services to patrons in all areas and shall render postal services to all communities." To fulfill this mandate, the Postal Service delivers to nearly 148 million delivery points six days a week and provides mailing and shipping services through almost 37,000 postal retail outlets and the *usps.com* Web site.

Our Strategic Spectrum Plan has been a priority within our Information Technology Group and vast strides have been made since its development. We have assembled a Spectrum Management Office (SMO) which coordinates engineers and deploys communications equipment within the Postal Service. One of the newly acquired vehicles is a contract that was issued to Motorola at the beginning of this fiscal year. The contract offers the availability of a new

radio technology that we have named, "Spectrum Efficient Devices" or SED's. The SED's are devices that utilize a technology that will allow for multiple communication paths within a traditional repeater pair. This eliminates the need for additional pairs of channel assignments, thereby reducing our need for spectrum as we deploy this technology throughout our infrastructure. We are planning to bring this technology to the Interdepartmental Radio Advisory Committee (IRAC) later in the fiscal year in order to brief the NTIA and member agencies.

The Postal Service has also taken advantage of commercial spectrum such as our satellite communications network and numerous cellular devices supplied by the major cellular providers.

We also are deploying a large amount of non-licensed (part 15) devices in order to create a mobile workforce within and around our larger processing facilities throughout the country. The devices are used in conjunction with our extensive data network in order to provide statistical information on many activities to management in close to real time.

Section II – Current Spectrum Use

Based upon our initial report on current spectrum use the only change to that would be the modification of the proposed RFID spectrum from 1429.0000MHz - 1435.0000MHz to the 433.0000MHz band.

Section III – Future Spectrum Requirements

Based upon our initial report on future spectrum requirements, there is no change to our original submitted plans.

Section IV – Current Use of Commercial Spectrum

Based upon our initial report on the current use of commercial spectrum, there is no change to our original submitted plans.

Section V – Future Planned or Anticipated Use of Commercial Spectrum – Dependant Licensed Systems

We have none to report.

Section VI – Agency Current and Anticipated use of Unlicensed Systems and Devices

As mentioned in section 1, the Postal Service is deploying a significant amount of unlicensed part 15 devices within our processing infrastructure. The infrastructure is to allow our workforce to be mobile within our facilities providing data to our wide area network for management statistical use.

The primary part 15 devices are 802.11xx utilizing the 2.4GHz, 5.8GHz bands. We are also have a number of wireless telephone systems utilizing 900MHz and the 1900MHz bands.

The part 15 802.11xx technology is also used for COOP, COG and emergency communications throughout the country and especially at our primary and backup COOP locations.

The part 15 is the fastest growing technology in the wireless arena that is utilized in the Postal Service.

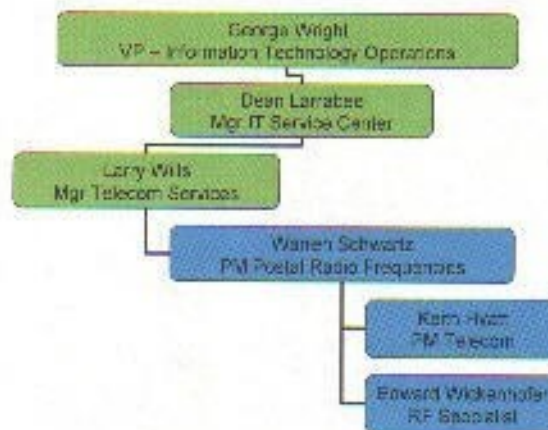
Section VII – Evaluation of New Technologies for Potential Use in Federal Agency Dependent Systems

Presently we are not evaluating any new technologies.

Section VIII – Spectrum Management Organization and Integration with Agency Strategic Planning and Capital Planning

The Spectrum Management Office is located within the Postal Service Information Technology Operations Group, Telecommunication Services. The Spectrum Staff (in blue) are located in Raleigh, NC along with the Executive Staff (in green). The VP Information Technology Operations is located in Washington, DC.

Information Technology Operations Spectrum Management Office



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All spectrum related management is performed by the above personnel within the USPS. This includes capital planning activities, strategic spectrum management preparation, and day to day spectrum operations within and between other agencies.