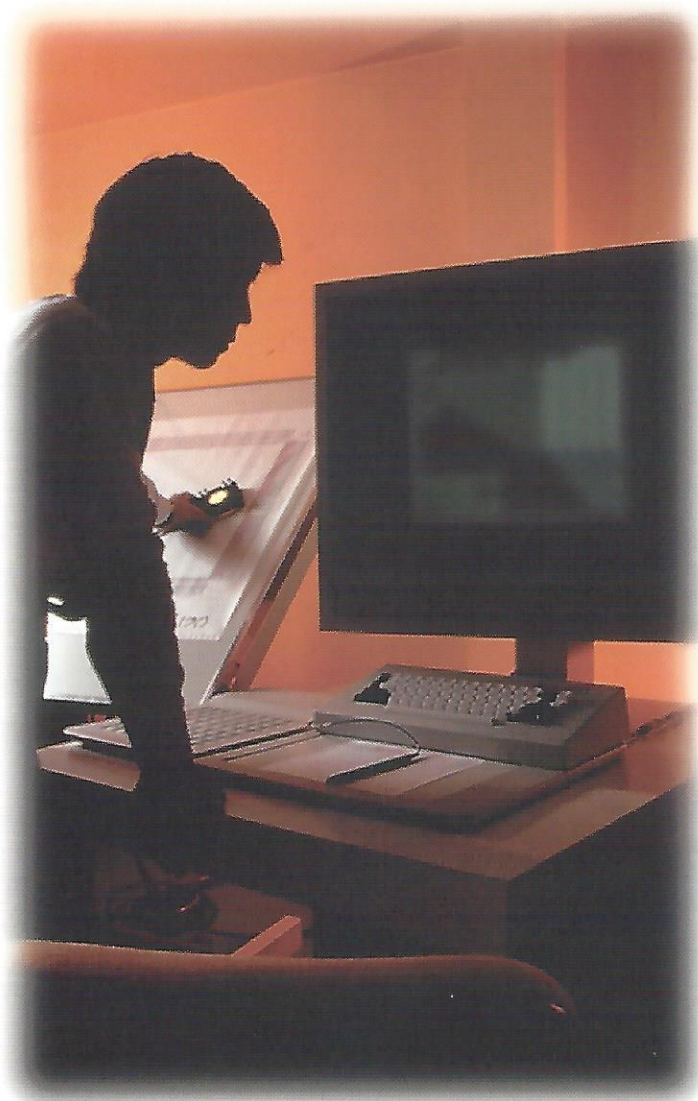


Lucent Technologies
Bell Labs Innovations



Spectrum Clearing Service



Clearing the Way for Your New PCS Network

HELPING YOU SATISFY SPECTRUM CLEARING REQUIREMENTS

Before you can operate a profitable wireless network over your new PCS bandwidth, you've got to make provisions for the existing spectrum users.

Lucent Technologies' Spectrum Clearing Service helps you accommodate existing microwave users. This is accomplished through careful identification of current users of the PCS frequency spectrum, analysis of their likely impact on your service, and negotiation of agreements to avoid, remove, or relocate conflicting signals.

Take Advantage of Lucent Technologies' Spectrum-Clearing Expertise

Lucent Technologies ensures close coordination between Spectrum Clearing and RF Engineering by planning a joint effort with experts from both areas. Our expertise helps ensure that decisions are made with knowledge of the potential impact that one function may have on others.

Spectrum clearing solutions emphasize coordination with the network designers to minimize conflicts with incumbents and help avoid costly and time-consuming microwave relocation.

Lucent Technologies Provides a Total Service for Spectrum Clearing

We work closely with you to develop an integrated spectrum clearing strategy that addresses all frequency interference issues. Terms are negotiated with microwave users to match your network requirements.

Spectrum Clearing Service is comprised of four major activities:

- **Spectrum sharing analysis** — Lucent Technologies' microwave knowledge, regulatory experience, and predictive technical expertise can help you minimize microwave relocation costs, leading to expedient PCS network deployment. We search for potential interference problems with current microwave users in your PCS spectrum, analyze link relocation priorities, identify special concerns, assess market issues, and highlight opportunities for cost-sharing.
- **Incumbent contact and data collection services** — We assemble the information you need to obtain precise microwave surveys and make cost-effective decisions on spectrum clearance. Our experts prioritize current microwave users, evaluate alternatives, and identify negotiating points to help you clear your PCS channel. We can also assess the costs of removal or relocation — a critical factor in your network design decisions.

Lucent Technologies' Spectrum Clearing Service Gives You These Advantages

- **More Rapid Project Completion** — Our dedicated team understands the impact of the activities related to spectrum clearing. We carefully coordinate interrelated functions for more rapid deployment of the network.
 - **Quality Assurance** — Our expertise in all wireless service functions, coupled with our knowledge of the latest technology, ensures the highest quality of spectrum clearing support.
 - **Lower Costs** — We understand the intricacies associated with resolving spectrum-related issues, and the cost impact of the alternatives. Multiple options are considered to arrive at the most cost-effective solutions.
 - **Reduced Risk** — Lucent Technologies' in-depth knowledge of telecommunications reduces your risk and exposure due to needless microwave relocation.
- **Relocation negotiation** — Our team helps you develop comparable replacement systems, define relocation time tables, and structure relocation agreements. Lucent Technologies relocation specialists can handle every detail of this complex process — from relocation surveys and feasibility studies, to pricing and facilities plans.
 - **Relocation and cash buyout management** — This service ensures timely completion of channel clearance to bring your wireless network on-line. We can help minimize costly delays by monitoring prior users' compliance with channel clearance agreements.