ORIGINAL

BELLSOUTH TELECOMMUNICATIONS, INC.

REBUTTAL TESTIMONY OF GUY REAM

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 980800-TP

SEPTEMBER 18, 1998

Q. PLEASE STATE YOUR NAME, COMPANY NAME, AND ADDRESS.

A. My name is Guy Ream. I am employed by BellSouth Telecommunications, Inc. Common System Capacity Manager-Network Operations. My business address is 6451 North Federal Highway, Ft. Lauderdale, Florida 33308.

Q. HAVE YOU TESTIFIED PREVIOUSLY ?

A. No, I have not testified previously in any proceedings.

Q. PLEASE SUMMARIZE YOUR BACKGROUND AND EXPERIENCE.

A. I began employment with Bell Telephone Laboratories in 1966 as a technician. I relocated to Florida and began working for BellSouth in 1972 as central office craft employee. In 1984, I was promoted to management in the Network Department. I have held various positions

in circuit design, equipment planning and ordering and for the last four years I have been a Common Systems Capacity Manager. I monitor and coordinate plans for equipment additions or removals in 12 central offices, one of which is the West Palm Beach Gardens Central Office.

Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

A. The purpose of my testimony is to rebut testimony filed in this docket by Supra Telecommunications and Information Systems witnesses, David A. Nilson and Olukayode A. Ramos.

Q. WHAT EQUIPMENT IS LOCATED IN THE WEST PALM BEACH GARDEN CENTRAL OFFICE?

A. The West Palm Beach Central Office houses a local switch, a tandem switch, an operator services switch, a Signal Transformer Point Switch (STP), Signal Control Point (STP) Switch, and various transmission circuit and power equipment. This office also houses three virtual collocation arrangements.

Q. HOW DOES BELLSOUTH DETERMINE THE AMOUNT OF FLOOR SPACE NEEDED TO BE RESERVED FOR EQUIPMENT GROWTH?

A. Wire Center Forecasts, which estimate the number of subscriber lines to be added in an office, and Demand and Facility Charts are used for determining switching equipment additions. A computerized planning tool called Facility Equipment Planning System (FEPS) is used to track and plan transport facilities, trunk terminations and the circuit equipment that is required to support them. Equipment additions are based on historical data, current usage, and future projections. Equipment needs are subject to change due to changes in demand, marketing plan philosophy, as well as, funding.

Q. BELLSOUTH HAS RESERVED 3197 SQUARE FEET IN THE WEST PALM BEACH GARDENS CENTRAL OFFICE FOR FUTURE GROWTH. WHAT JUSTIFICATION DO YOU HAVE FOR RESERVING THIS AMOUNT OF SPACE?

A. The 3197 square feet in the West Palm Beach Gardens Central Office are distributed across the central office in eight separate locations, ranging from some as small as 68 square feet to as large as 712 square feet. The following paragraphs describe each of those eight areas .

712 square feet have been reserved for the Tandem switch for growth. This growth space reserved is in the middle of the isolated ground plane of the existing switch equipment . It is located in the middle of this ground plane because the collocator's equipment uses integrated

grounding and BellSouth does not place integrated equipment within isolated switch grounding. BellSouth projects that 12 to 16 bays will be added in this area in the 1999-2000 time frame. This would make the dimensions of the remaining space too small for collocation. In addition, an exit aisle runs through this area that would reduce the square footage.

246 square feet are reserved in the power area. A new 48 volt battery string is being added next year. After this addition, the remaining space will only support one more 48 volt battery string. These additions are planned by BellSouth's power vendor to make sure that the office has sufficient reserves in case of a commercial power failure .

68 square feet are reserved for miscellaneous toll equipment that does not have to be placed next to each other or in close proximity to existing toll equipment. This area is too small for collocation for reasons that Mr. Bloomer discusses in his testimony.

143 square feet are reserved for fiber optic frame growth. This amount of space is also too small for collocation. This area is too small for collocation for reasons that Mr. Bloomer discusses in his rebuttal testimony

403 square feet are reserved for STP and SCP growth. Equipment additions are planned to augment the existing equipment in 1999 and 2000 which require that the space not be blocked by a co-locators equipment.

686 square feet have been reserved for toll growth. This area presently has a virtual collocator in the middle of the space, creating two separate areas. One area is occupied by the Central Office Supervisor and the other area is reserved for a new DSX1 line up to be installed in 1998. In both areas, the existing overhead racking prevents a collocation area from being walled off.

329 square feet have been reserved for a TOPS DMS switch which is used for Operator Services. This space is next to the existing switch and is required for growth. This area is also used as a temporary vendor staging area for new equipment additions to the office.

526 square feet have been reserved for the local DMS switch. This area is in two sections that abut the existing switch. The growth of the local switch is projected to be about 12 frames per year. This space temporarily is being used as an administrative and installation vendor staging area until such time as the space is required for needed switch growth.

In each of the preceding eight cases, the unoccupied space is adjacent to a type of technology that is continuing to grow or space that is planned for use by BellSouth in the next two years.

Q. ARE THERE OTHER FACTORS IN THE CENTRAL OFFICE THAT LIMIT THE SPACE AVAILABLE?

A. Yes. It should be understood that not every square foot of space can hold a piece of equipment and that space must be provided in front of and behind the equipment for access by installation and service personnel. For example, a DMS switch frame that has a foot print of three square feet actually requires nine square feet of space because a two foot aisle is standard on the rear side of the equipment and a three foot aisle is standard on the front side of equipment. Wider cross aisles are required in certain parts of the office. These aisles are required by local fire codes for emergency egress of the office personnel. These wider aisles are also required so installation vendors can move large equipment bays in the office without causing service outage by hitting working equipment. Also it must be pointed out that certain types of equipment cannot be placed next to dissimilar types of technology. For example , batteries cannot be placed in toll equipment lineups and or transport equipment cannot be placed in switch equipment line ups. This is because different types of equipment could cause blocked aisles and equipment variances require unique power and grounding.

Q. DOES THIS CONCLUDE YOUR TESTIMONY?

A. Yes.