

ORIGINAL

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BELLSOUTH TELECOMMUNICATIONS, INC.
REBUTTAL TESTIMONY OF JEROME RUBIN
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 Jerome Rubin. I am employed by BellSouth Telecommunications, Inc. as a Common Systems Capacity Manager – Network Operations – South Florida Capacity Management. My business address is 18560 NW 27th Avenue Room 330, OpaLocka Florida, 33056

Q. PLEASE SUMMARIZE YOUR BACKGROUND AND EXPERIENCE.

A. I graduated from the University of Miami in Miami, Florida in 1971 with a Bachelor of Science degree in Electrical Engineering. I began employment with BellSouth in 1972 as a 1A Electronic Switching System (1AESS), Equipment Engineer. In 1977 I transferred into the Maintenance Engineering group, responsible for Mini Computer support. In 1986, I transferred into the Network Special Assembly group as the South Florida Special Assembly Coordinator. In 1996, I transferred into the Common Systems Capacity Manger (CSCM) group. In this present position as a CSCM, I am responsible for generating Central Office Profiles that specifies plans for the orderly growth

1 of equipment in the Central Office. One of the central offices I am responsible
2 for is the North Miami Golden Glades Central Office.

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5 Q. HAVE YOU TESTIFIED PREVIOUSLY?

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

8

9 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

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11 A. I will support BellSouth's reservations of space for future growth of the
12 equipment in the Golden Glades Central Office..

13

14 Q. WHAT EQUIPMENT IS LOCATED IN THE GOLDEN GLADES OFFICE?

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16 A. The Golden Glades building houses a Local Switch, Designated DS0; Two Toll
17 Tandems designated 01T, and 04T; One Operator Service Switch designated
18 03T; one Signal Transfer Point Switch designated STP; and various
19 Transmission circuit and Power equipment.

20

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

23

24 A. Wire Center Forecasts, which specify the number of subscriber lines to be
25 served in an office, and Demand and Facility Charts are used for determining

1 Switch Center equipment additions. A mechanized planning tool, "Facility
2 Equipment Planning System (FEPS) generates "Planning Work Station
3 Reports", that are used for determining circuit equipment additions.
4 Equipment additions are based on historical data, current usage, and future
5 projections. Equipment needs are subject to change due to changes in demand,
6 marketing plan philosophy, as well as, funding.

7

8

9 Q. BELLSOUTH HAS RESERVED 3596 SQUARE FEET FOR FUTURE
10 GROWTH OF THE SWITCH, CIRCUIT, AND POWER EQUIPMENT IN
11 GOLDEN GLADES. WHAT IS THE JUSTIFICATION FOR THIS
12 GROWTH NUMBER?

13

14 A. The first floor of the central office houses an Operator Services Toll switch
15 designated O3T, a Toll Tandem designated 04T, Transmission Circuit
16 equipment, and Power equipment. There are 987 square feet reserved for
17 future growth of the 03T and 04T. There are 1576.5 square feet reserved for
18 future growth of Transmission circuit equipment, and 142 square feet reserved
19 for future growth of power equipment.

20

21 The second floor at Golden Glades houses a Local Switch, designated DS0, a
22 Toll Tandem designated 01T, and Power equipment. There are 890.5 square
23 feet reserved for future growth of the DS0 and 01T. The power room is full
24 and does not have space to add battery stings.

25

1 The anticipated growth for the entities listed is as follows:

2

3 162 square feet are reserved for future growth of the DSO(Local Switch).

4 This growth is primarily predicated on the growth of Calling Number Delivery.

5 The older existing Line Modules do not support Caller Identification (CID),

6 and, therefore, in order for this office to keep pace with the demands for this

7 service, new equipment is required.

8

9 378 square feet have been reserved for future growth of the 01T (Toll

10 Tandem). This growth is a result of increased interoffice calling, and increased

11 demands from Internet Service Providers and Alternative Local Exchange

12 Carriers. This growth will reduce the overall future space on the second floor

13 by 540 square feet. It does not take into account the end aisles, or fire aisle

14 requirements.

15

16 54 square feet have been reserved for future growth of the 03T(Operator

17 Services Toll Tandem). Equipment supplying data links to the Host Switch in

18 West Palm Beach was obsolete and was replaced.

19

20 297 square feet are reserved for future growth of the 04T(Toll Tandem).

21 This growth is a result of increased interoffice calling, and increased demands

22 from Internet Service Providers and Alternative Local Exchange Carriers.

23

24 42 square feet are reserved for future growth of the STP(Signal Transfer Point).

25 The STP switch provides routing instructions to the central office switches for

1 virtually all calls from a centralized, redundant data base. This reserved growth
2 for O3T, O4T, and the STP will reduce the overall future space on the first
3 floor switch area by 393 square feet. It does not take into account the end
4 aisles, or fire aisle requirements.

5

6 502 square feet have been reserved for future growth of Transmission Circuit.
7 This is a combination of Fiber Optic Terminal frames, Digital and fiber cross
8 connect frames, Multiplex frames and Miscellaneous Transmission frames.

9

10 228 square feet have been reserved for future growth of virtual collocation
11 arrangements. Equipment to be placed in these arrangements consists of
12 miscellaneous transmission equipment frames. Firm orders have been received
13 for installation of 10 equipment frames in 1998.

14

15 142 square feet have been reserved for future growth of power equipment.
16 This addition is planned to make sure that the office has sufficient power
17 reserves in case of a commercial power failure, hurricane, or any natural
18 disaster.

19

20 This growth will reduce the overall future space on the first floor by 1265
21 square feet. It does not take into account the end aisles, fire aisle requirements,
22 or ground plane restrictions.

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24 Q. DOES THE CENTRAL OFFICE HAVE ANY LIMITATIONS FOR
25 ADDING EQUIPMENT?

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A. Yes. It should be understood that there are areas and equipment lineups in the central office that do not lend themselves to adding equipment frames. This can be due to Fire Aisles, wide access aisles for bringing equipment into the building and placing it where it is needed, ground plane restrictions, (which dictate a 7 foot separation from isolated and integrated ground plans), and cable rack congestion, which prevent any cabling from reaching the equipment. There are also situations that prevent equipment lineups from growing the entire length of an aisle, because placing equipment will not leave sufficient space in the front or back of the equipment for access by personnel.

Q. DOES THIS CONCLUDE YOUR TESTIMONY?

A. Yes