

COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION

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In the Matter of:

AN INVESTIGATION OF TOLL AND)
ACCESS CHARGE PRICING AND TOLL)
SETTLEMENT AGREEMENTS FOR) CASE NO. 8838
TELEPHONE UTILITIES PURSUANT TO)
CHANGES TO BE EFFECTIVE)
JANUARY 1, 1984)

O R D E R

IT IS ORDERED that South Central Bell Telephone Company shall file an original and ~~twelve~~ copies of the following information with the Commission no later than 30 days from the date of this Order.

The following questions are directed to the No. 5 Crossbar central office in Danville, Kentucky:

- 1) Furnish a block schematic diagram for the sample office indicating on the schematic or accompanying table:
 - (A) The serving toll center (office) and mileage to toll center.
 - (B) The number of interstate toll circuits and facility type(s).
 - (C) The number of intrastate toll circuits and facility type(s).
 - (D) The number of interstate special service circuits and facility types.
 - (E) The number of intrastate special service circuits and facility types.

- (F) The number of intraexchange special service circuits.
 - (G) Number of installed (capacity) C.O. lines.
 - (H) Number of working lines, indicating the date of last addition, the anticipated months of operating margin and the main frame fill.
 - (I) Current investment in category 6 (less power).
 - (J) Current investment in circuit equipment (Category 8 separated as to exchange and interexchange).
 - (K) Current investment in category 4 (AMA, transverter, ANI, etc.); indicate if any exchange use is made of this equipment and, if so, the allocation to exchange.
- 2) For December 1982, furnish the MR2, QR2A, MR4, MR5, MR6, MR7, and MA15 reports for the state.
 - 3) For each component (stage) of the switching system, indicate the quantity of installed units and their average unit cost and components in a step-by-step system; for example, include line relays, line finders, 1st selectors, 2nd selectors, connectors, etc. Components in a No. 5 crossbar office include, for example, line relays, line link frames, link connector frames, junctor grouping frames, trunk link frames, out toll AMA trunk terminations, etc. The enumerations in each case will be complete and are comparable to the priceout undertaken by the Equipment Engineer responsible for machine costing. If average embedded unit costs are not readily

available, current costs are satisfactory. Indicate which costs have been employed. Indicate whether material costs only are shown or installed unit costs. If the former, provide the estimate factors separately, noting the inclusion or exclusion of power costs. If power costs are excluded, indicate them separately.

- 4) For 1982, furnish the DR results for:
 - (A) Local loop unit cost--KCS and 8KCS.
 - (B) Number of main and equivalent main telephones--state or area.
 - (C) Exchange trunk unit investment per mile--KCT-1 and 8KCT-1.
 - (D) Number of exchange trunk circuit miles.
 - (E) Joint Exchange/Toll Trunk unit investment per mile--KCT-2 and 8KCT-2.
 - (F) Number of joint exchange trunk circuit miles.
 - (G) The proportion of KCT-2 and 8KCT-2 assigned toll.
- 5) For the most recent annual data available for the state, furnish:
 - (A) Number of LDI messages.
 - (B) Number of LDS messages.
 - (C) Number of originating toll calls, indicating if this includes incompletes.
 - (D) Number of intra Centrex--CO calls.
 - (E) Number of originating exchange calls.
 - (F) LDI holding time.
 - (G) LDS holding time.

(H) Intra Centrex--CO minutes.

(I) Exchange minutes of use.

(Note: This data was supplied to FCC by AT&T in response to Staff Information Request Par. 53, Docket 80-286 for the year 1980).

- 6) For the Busy-Hour, Busy-Season (indicating period), furnish for the sample office:
- (A) Number of originating calls. Indicate the estimated proportion which are partial dials, false starts, permanent signals.
 - (B) Number of incoming calls.
 - (C) Originating plus terminating CCS.
 - (D) Intraoffice trunk usage.
 - (E) Three part conference usage, in CCS.
 - (F) Call waiting time, CCS.
 - (G) For year ended 1982, the wire center breakdown of main telephones.
- 7) For year ended 1982, please furnish the average investment per circuit mile--CAT G and 8 G for the state.
- 8) Busy-Hour traffic load may vary for DDD originating load, terminating traffic, ONI, coin, TSPS, and non-coin TSPS. If separate traffic measurements are available for each segment, furnish the BH CCS and the busy-hour calls for each.
- 9) Furnish a copy of the most recent DR1673 toll holding time study.

- 10) Furnish a copy of the most recent Traffic Order for the sample office.
- 11) Furnish a copy of the Traffic Engineering Section (Facility Practices) defining the basis for engineering each stage of office switching.
- 12) Furnish a copy of the traffic tables identifying the quantities (at the appropriate grade of service) required to meet the BH CCS load.
- 13) For recent study months, indicate the number of main stations originating zero message toll calls.
- 14) Furnish the toll message and conversation minutes study for the sample office.

The following questions are directed to the No. 2B ESS central office in Prestonsburg. It is desirable to get all the requested data as of one particular date, for example, the end of 1981 or the end of 1982.

1. Provide the number of each of the frames listed on Attachment 1 hereto, as of the end of 1981 or the end of 1982. The quantities can be written in on Attachment 1. If, for some reason, it would take a long period of time to get this data as of the end of 1981 or 1982, and the data is readily available as of some other date, such as the present, then provide the data that is readily available. Also, estimate the investment in the switching equipment as of that date and the number of equipped terminals.
2. Provide the number of batteries allocated to +24 V.

3. Provide the number of batteries allocated to -48 V.
4. Provide a "Wire Center Area Forecast" which will contain actual, or nearly actual, lines in service data as of the data date, state-wide and for each of the offices studied.
5. What is the highest percentage of subscribers, or subscriber lines, which did not make a toll call in any one month of any extended period, such as 6 months, 8 months or a year? Provide this data as it is available, preferably state-wide, and for the No. 2B ESS office.
6. From available data, provide numbers of special service circuits, by interexchange, interstate and local, preferably state-wide, and for the ESS 2B area. If numbers of circuits are not available, but some other measure such as investment is available, provide that. If interexchange, interstate and local are combined, or if interexchange, intrastate and interstate are combined, provide the data in that format. The purpose is to get some measure, however approximate, of local versus non-local special service circuitry.
7. Provide number of trunk circuits terminating in the No. 2B office as well as total central offices in the State. If the data is available, subdivide these by exchange, intrastate toll and interstate toll. Also, provide total number of service circuits in the office, such as Dial Pulse Receivers, Dial Pulse Transmitters, etc.

8. Provide a copy of your Line Equipment Traffic Statistics similar to Attachment 2 hereto, as of the date of earlier data provided. If that report is not available as of the particular date, provide the one closest to that date, but earlier, and another closest but later. If the data is not available exactly in the same format as one on Attachment 2, then provide whatever format is available.
9. Provide Location Listings of Crossbar and Electronic Switching offices, from the most recent depreciation study basic data.
10. Provide MR 2A or 102A, or any other report showing state-wide balances by categories of equipment, at the end of 1981, 1982 and as of a date nearest to the date of the data being provided in reply to previous questions.
11. Provide end of 1982 investments for Station Connection-Outside Wire.
12. Provide an FR 10 Report as of the end of 1981 and 1982.

Done at Frankfort, Kentucky, this 17th day of August, 1983.

PUBLIC SERVICE COMMISSION


For the Commission

ATTEST:

Secretary

Company _____

Location & Name Of Office _____

Effective Date Of Data Being Supplied _____

TABLE B
EQUIPMENT FRAME REQUIREMENTS

FRAME	ABBREVIATION	NUMBER REQUIRED
Automatic Message Accounting	AMA	0 to 1 per office
Combined Distributing	*CDF	1 to 8 per office
Intermediate Distributing	IDF	1-5 per office
Central Processor	CP	2 per office: includes up to 16,384 words of call store and 512 central pulse distributor points
Junctor Grouping	JG	1 to 3 per office
Line/Trunk Switch	LTS	1 to 4 per line trunk network
Miscellaneous	*M	As required
Maintenance Center	MC	1 per control complex: includes single card writer
Miscellaneous Power	*MP	1 per office
Master Scanner	*MS	Minimum of 1 per office+
Miscellaneous Trunk	MT	As required
Network Control Junctor Switching	NCJS	1 per line trunk network (maximum of 15)
Power Distributing	*PD	2 or 4 per office
Protector	*PROT	1 to 5 per office
Program Store	PS	4 to 8 per office
6.7 Volt. 200-Ampers Power Plant	PWR	2 per control complex
Recorded Announcement	*RA	1 to 16 per office
Ringling and Tone Power Plant	RT	1 per office
Supplementary Central Pulse Distributor	SCPD	0 to 6 per office: supplements central pulse distributor in central processor
Supplementary Call Store	SCS	0 to 2 per control complex: supplements call store in central processor
Supplementary Ringling and Tone	SRT	As required
Trunk Test	TT	1 to 2 per office
Universal Trunk and Junctor	UTJ	As required+

Asterisk (*) indicates equipment identical to No. 1 ESS.

+ A maximum of 12 master scanners plug UTJ-H frames may be provided.

ATTACHMENT 2

ST& TSL
H TYP ESS/OE O

Summary of Entire Stanley #2
Wire Center By
Office Equipment Totals

EQUIPMENT TYPE - ESS OE O
CONDITIONS:

TSL - LINE EQUIPMENT TRAFFIC STATISTICS

DATE 07-19-82

CS	WK	OF	TJ	TS	MS	Total(1)	PC	PD
1FB	267	0	0	5	0	272	2	2
1FR	2235	0	0	0	0	2235	4	10
1FBH	168	0	0	3	0	171	3	1
2FR	35	0	0	2	0	37	0	0
4FR	22	0	0	2	0	24	0	0
TRKFR	9	0	0	0	0	9	0	0
1MB	3	0	0	0	0	3	0	0
MO5	4	0	0	0	0	4	0	0
TEST	0	0	0	19	0	19	0	0
1PC	36	0	0	0	0	36	0	0
1SP	8	0	0	0	0	8	1	0
DCN	5	0	0	0	0	5	0	0
TRK	0	0	1034	0	0	1034	0	0
PBX	15	0	0	0	0	15	0	0
SVS	0	0	0	1	0	1	0	0
MO2	1	0	0	0	0	1	0	0
MOWAT	3	0	0	0	0	3	0	0
OTHER	0	0	0	0	0	0	1	0
TOTAL	2811	0	1034	32	0	3077	11	13

TOTAL NUMBER OF UNKNOWN LINES	0
TOTAL NUMBER OF RESERVED LINES	31
TOTAL NUMBER OF EXCLUDED LINES	3
TOTAL NUMBER OF SPARE LINES	1192
TOTAL NUMBER OF LINES LEFT-IN	12
TOTAL LINE EQUIPMENT IN ENTITY	5120
TOTAL ROTARY LINES ON TOUCH-TONE EQUIP	843

PERCENT BILL	75.7%
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TSL COMPLETED