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August 15, 1997

**DOCKET FILE COPY ORIGINAL**

**BY HAND**

Mr. William F. Caton  
Acting Secretary  
Federal Communications Commission  
1919 M Street, N.W.  
Washington, D.C. 20554

**Re: CC Docket No. 96-45  
Data Response of Anchorage Telephone Utility**

Dear Mr. Caton:

Transmitted herewith for filing on behalf of the Municipality of Anchorage d/b/a Anchorage Telephone Utility ("ATU") are an original paper copy and an electronic copy of ATU's data response to the Commission's Order in CC Docket No. 96-45, released on July 9, 1997. An additional paper copy and electronic copy are being submitted to International Transcription Services, Inc. Also, two paper copies and two electronic copies of the data response are being submitted to Sheryl Todd.

Also being transmitted for filing pursuant to Section 0.459 of the Commission's Rules, 47 C.F.R. § 0.459, is a Request for Confidential Treatment of certain material responsive to the Commission's request. A copy of this request along with the confidential information is being submitted to Charles Keller of the Common Carrier Bureau.

No. of Copies rec'd  
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Mr. William F. Caton  
August 15, 1997  
Page 2

Any questions in connection with this submission should be directed to the undersigned.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Alane C. Weixel". The signature is fluid and cursive, with a large, sweeping loop at the end.

Paul J. Berman  
Alane C. Weixel  
Attorneys for Anchorage  
Telephone Utility

Enclosures

|  |                                    |                    |                 |                 |
|--|------------------------------------|--------------------|-----------------|-----------------|
| Approved by OMB  |                                    |                    |                 |                 |
| 3060-0781  |                                    |                    |                 |                 |
| Expires 12/31/97   |                                    |                    |                 |                 |
| Burden hour per respondent: 488 average  |                                    |                    |                 |                 |
| <b>Federal - State Joint Board on Universal Service<br/>Data Request</b>           |                                    |                    |                 |                 |
| Holding company  | <b>Anchorage Telephone Utility</b> | <b>HOLDING</b>     |                 |                 |
| Study area   | <b>Anchorage Telephone Utility</b> | Study Area 1       | Study Area 2    | Study Area 3    |
| Contact Person:  | Jill Hume 907/564-1803             |                    |                 |                 |
| 1. Loops:  |                                    |                    |                 |                 |
| <b>(For Wire Center Data, Fill Out Attachment 1)</b>                               |                                    | (see Attach. 1)    | (see Attach. 1) | (see Attach. 1) |
| a. Switched Working Loops  |                                    |                    |                 |                 |
| i. residential (no.)   |                                    | confidential       | na              | na              |
| ii. single line business (no.)   |                                    | confidential       | na              | na              |
| iii. multi-line business (no.)   |                                    | confidential       | na              | na              |
| b. Non-Switched Working Loops (no.)  |                                    | confidential       | na              | na              |
| c. Non-Working Loops (no.)   |                                    | confidential       | na              | na              |
| d. Non-Revenue Loops (no.)   |                                    | confidential       | na              | na              |
| 2. Loop Length Studies:  |                                    |                    |                 |                 |
| Study Included?(Y/N)   |                                    |                    | Waiver Request  |                 |
| Sample Size (no.)  |                                    |                    | Waiver Request  |                 |
| Was Stratified Sample based on density cells, study area, or wire centers? (D,S,W) |                                    |                    | Waiver Request  |                 |
| Non-working loops included? (Y/N)  |                                    |                    | Waiver Request  |                 |
| Glossary Included? (Y/N)   |                                    |                    | Waiver Request  |                 |
| Loop lengths (list lengths below)  |                                    |                    | Waiver Request  |                 |
| a.   |                                    |                    | Waiver Request  |                 |
| b.   |                                    |                    | Waiver Request  |                 |
| c.   |                                    |                    | Waiver Request  |                 |
| 3. Subscriber Line Usage:  |                                    |                    |                 |                 |
| Study Included? (Y/N)  |                                    | yes                |                 |                 |
| Date(s) of Study   |                                    | 1-96 through 12-96 |                 |                 |
| Sample Size (no. of lines)   |                                    | confidential       |                 |                 |
| Wire centers Included (no.)  |                                    | confidential       |                 |                 |
| Minutes of Use (no.)   |                                    | confidential       |                 |                 |
| Glossary Included? (Y/N)   |                                    |                    | no              |                 |
| 4. Residential Basic Service:  |                                    | na                 | na              | na              |
| Free Calls (no.)   |                                    | na                 | na              | na              |
| Free Minutes (no.)   |                                    | na                 | na              | na              |
| 5. Cable Investment/Loop Length:   |                                    |                    |                 |                 |
| <b>(For Wire Center Data Fill Out Attachment 1)</b>                                |                                    | (see Attach. 1)    | (see Attach. 1) | (see Attach. 1) |
| a. Gross investment in distribution plant  |                                    | 136,796,369        | na              | na              |
| i. Percent Buried Cable (%)  |                                    | 58%                | na              | na              |
| ii. Percent Underground Cable (%)  |                                    | 21%                | na              | na              |
| iii. Percent Aerial Cable (%)  |                                    | 21%                | na              | na              |
| b. Gross investment in feeder plant  |                                    |                    | na              | na              |
| i. Percent Buried Cable (%)  |                                    |                    | na              | na              |
| ii. Percent Underground Cable (%)  |                                    |                    | na              | na              |
| iii. Percent Aerial Cable (%)  |                                    |                    | na              | na              |
| c. Distribution loop length  |                                    | 1,663,311          | na              | na              |
| i. Percent Buried Cable (%)  |                                    | 41%                | na              | na              |
| ii. Percent Underground Cable (%)  |                                    | 44%                | na              | na              |
| iii. Percent Aerial Cable (%)  |                                    | 15%                | na              | na              |

|   |  |                 |                 |                 |
|---|--|-----------------|-----------------|-----------------|
| d. Feeder loop length   |  |                 | na              | na              |
| i. Percent Buried Cable (%)   |  |                 | na              | na              |
| ii. Percent Underground Cable (%)   |  |                 | na              | na              |
| iii. Percent Aerial Cable (%)   |  |                 | na              | na              |
| <b>6. Installation Cost Data for Cable Facilities:</b>  |  |                 |                 |                 |
| Has data been provided? (Y/N)   |  |                 | yes             |                 |
| Dates of data to commission(s)  |  |                 | confidential    |                 |
| To what commission was data submitted?  |  |                 | confidential    |                 |
| Commission docket/case number   |  |                 | confidential    |                 |
| Glossary Included? (Y/N)  |  |                 | no              |                 |
| <b>7. Subscriber Cable Utilization:</b>   |  |                 |                 |                 |
| <b>(For Wire Center Data, Fill Out Attachment 1)</b>  |  |                 |                 |                 |
| Study Included? (Y/N)   |  | (see Attach. 1) | (see Attach. 1) | (see Attach. 1) |
| Feeder (%)  |  |                 | yes             |                 |
| Distribution (%)  |  | Not Available   |                 |                 |
| Glossary Included? (Y/N)  |  | Not Available   |                 |                 |
|   |  |                 | no              |                 |
| <b>8. Structures Sharing Percentage:</b>  |  |                 |                 |                 |
| a. Poles (%)  |  |                 | Waiver Request  |                 |
| i. interoffice  |  |                 | Waiver Request  |                 |
| ii. subscriber  |  |                 | Waiver Request  |                 |
| b. Conduits (%)   |  |                 | Waiver Request  |                 |
| i. interoffice  |  |                 | Waiver Request  |                 |
| ii. subscriber  |  |                 | Waiver Request  |                 |
| c. Trenches (%)   |  |                 | Waiver Request  |                 |
| i. interoffice  |  |                 | Waiver Request  |                 |
| ii. subscriber  |  |                 | Waiver Request  |                 |
| <b>9. Residential Multi-line Customers:</b>   |  |                 |                 |                 |
| Total residential customers (no.)   |  |                 | confidential    |                 |
| Multi-line residential customers (no.)  |  |                 | confidential    |                 |
| Percent multi-line (%)  |  |                 | confidential    |                 |
| For multi-line residential customers, channels served by basic rate ISDN (no.)                          |  |                 | confidential    |                 |
| <b>(For Wire Center Data, Fill Out Attachment 1)</b>  |  |                 |                 |                 |
| <b>10. Poles:</b>   |  |                 |                 |                 |
| Cost of 40' class 3 pole in 1996 (\$)   |  | confidential    | na              | na              |
| Cost of Installation in 1996 (\$)   |  | confidential    | na              | na              |
| <b>11b. Digital Switching -- DCPR:</b>  |  |                 |                 |                 |
| Format specified in data request  |  |                 | Waiver Request  |                 |
| <b>12. Digital Switching -- Cost and Lines Served</b>   |  |                 |                 |                 |
| Provide material cost, installed cost, and lines served for each digital switch purchased in 1995/1996. |  |                 | Not Applicable  |                 |
| <b>(For Individual Switch Data, Fill Out Attachment 2)</b>  |  |                 |                 |                 |
|   |  | (see Attach. 2) | (see Attach. 2) | (see Attach. 2) |
| <b>13. Switching Manufacturer Contracts:</b>  |  |                 |                 |                 |
| <b>(For Contract Data, Fill Out Attachment 2)</b>   |  |                 |                 |                 |
| a. Copy of contract provided? (Y/N)   |  | (see Attach. 2) | (see Attach. 2) | (see Attach. 2) |
| b. Define following terms, if necessary, on a separate sheet:   |  |                 | Yes             |                 |
| new switch  |  |                 |                 |                 |
| growth to new switch  |  |                 |                 |                 |
| growth to embedded switch   |  |                 |                 |                 |
| remote switch   |  |                 |                 |                 |
| remote switching module   |  |                 |                 |                 |
| c. Price includes removal of old switch? (Y/N)  |  |                 | no              |                 |
| d. Time period of contract  |  | (see Attach. 2) | (see Attach. 2) | (see Attach. 2) |

|  |                 |                 |                 |
|--|-----------------|-----------------|-----------------|
| e. How many lines committed to install?  | (see Attach. 2) | (see Attach. 2) | (see Attach. 2) |
| <b>14. Digital Line Carrier Devices:</b>   |                 |                 |                 |
| <b>(For DLC Data, Fill Out Attachment 2)</b>   |                 |                 |                 |
| a. Material and Installed cost of each device  |                 |                 |                 |
| i. Common Equipment  | (see Attach. 2) | (see Attach. 2) | (see Attach. 2) |
| ii. Per-line Equipment   | (see Attach. 2) | (see Attach. 2) | (see Attach. 2) |
| b. No. of lines served at end of 12 months of service  | (see Attach. 2) | (see Attach. 2) | (see Attach. 2) |
| <b>15. Drop Lines for Residential Customers:</b>   |                 |                 |                 |
| a. No. of copper pairs per dwelling unit:  |                 |                 |                 |
| Single family (no.)  | confidential    |                 |                 |
| Multi-family (no.)   | confidential    |                 |                 |
| b. No. of fiber DS-O trans. channels (no.)   | confidential    |                 |                 |
| c. If a different no. of pairs when using aerial vs. buried, provide the number of aerial and buried pairs.  | confidential    |                 |                 |
|  | confidential    |                 |                 |
| <b>16. Maintenance Expenses for switching, circuit, and cable and wire facilities:</b>   |                 |                 |                 |
| a. Most recent estimates incorp. into study filed with a state or federal commission provided? (Y/N)   | Not Applicable  |                 |                 |
| i. Name of Commission  |                 |                 |                 |
| ii. Date of study  |                 |                 |                 |
| iii. Associated docket/case number   |                 |                 |                 |
| b. Is a copy of calculations provided? (Y/N)   |                 |                 |                 |
| c. Is explanation of difference between fiber and copper provided? (Y/N)   |                 |                 |                 |
| d. Is explanation of differences in maintenance expenses among aerial, underground, and buried cable provided? (Y/N)                               |                 |                 |                 |
| <b>17. Riser Cable:</b>  |                 |                 |                 |
| a. Do you currently install riser cable in multi-unit residential housing or commercial buildings? (Y/N)   |                 | no              |                 |
| b. Is an explanation of under what conditions installed riser cable is part of regulated total plant in service provided? (Y/N)                    | no              |                 |                 |
| c. Percent of the installed riser cable included in regulated total plant in service (%)   |                 | 25%             |                 |
| <b>18. For residential, single-line business, and multi-line business customers June 1996, provide: (note waiver request filed August 8, 1997)</b> |                 |                 |                 |
| a. Total local service revenue (\$)  | confidential    | na              | na              |
| Number of customers (no.)  | confidential    | na              | na              |
| b. Sum of taxes and 911 surcharges (\$)  | confidential    | na              | na              |
| c. Total of billings for which you provided the toll service (\$)  |                 | na              | na              |
| d. Total of billings for which another carrier provided toll services (\$)   | confidential    | na              | na              |
| e. For multi-line residential customers provide the revenue generated by the purchase of the additional lines (\$)                                 | confidential    | na              | na              |
| 19. Number of square miles served (no.)  | 503             | na              | na              |
| <b>(For Wire Center Data, Fill Out Attachment 1)</b>   |                 |                 |                 |
| <b>20. Cost of Land and Buildings:</b>   |                 |                 |                 |
| <b>(For Wire Center Data, Fill Out Attachment 1)</b>   |                 |                 |                 |
| Cost of Land (\$)  | 181875          | na              | na              |
| Cost of Buildings (\$)   | 21134130        | na              | na              |
| Number of Switches (no.)   | 11              | na              | na              |

## 21. DLC Manufacturer Contracts:

(For Contract Data, Fill Out Attachment 2)

(see Attach. 2)

(see Attach. 2)

(see Attach. 2)

a. Copy of contract provided? (Y/N)

b. Time period of contract

(see Attach. 2)

(see Attach. 2)

(see Attach. 2)

## CERTIFICATION

I certify that I have been designated by the Company to attest to the accuracy of the information contained herein plus all attachments and that I have examined the foregoing and that to the best of my knowledge, information, and belief, all statements of fact contained in this report and associated attachments are true, correct and complete, with qualifications noted, and that said report and attachments are an accurate statement of the affairs of the respondent in respect to the data and information set forth herein.

Printed Name Melphine Evans  
Position Chief Financial Officer

Signature:

Date

8/14/97

Telephone Number

(907) 564-1939

An agency may not conduct or sponsor and a person is not required to respond to a collection of information unless it displays a currently valid control number.

## NOTES

- 2 Waiver Request filed August 8, 1997.
- 3 ATU switches record all traffic therefore, the access lines in item 1 represent the number of access lines in the subscriber line usage study, by service category. Although all ATU wire centers are included in the study, remote switched minutes-of-use are recorded at the host. ELM and FTR are remoted out of EWC, RCWC, OMWC, GRWD, and INDN are remoted out of SWC.
- 4 Not applicable. ATU's basic residential service plan is flat-rate for unlimited usage.
- 5 ATU cannot separately identify feeder and distribution plant in its records. Per our understanding, because of similar problems among all data request participants, the separate identification between feeder and distribution is no longer required.  
Loop length in miles represents miles of wire in cable i.e., 600 pair cable for 10 miles is 6,000 miles of cable. Source: ATU Form M, December 31, 1996, Schedule S-1.
- 6 Refer to Tab 6 for detail of costing information.
- 7 ATU cannot separately identify feeder and distribution plant in its records. Per our understanding, because of similar problems among all data request participants, the separate identification between feeder and distribution is no longer required.
- 8 Waiver request filed August 11, 1997. ATU has an agreement with the two local electrical companies in Anchorage whereby, if a trench is opened, ATU is invited to lay facilities in the trench. Each electric company bills ATU for 45 percent of the total cost of the shared trenches. ATU also utilizes trenches in which ATU has borne the full cost. ATU provides all of its own conduit and has not entered into sharing arrangements for its conduit. Although ATU owns some poles, the overwhelming majority of the poles used by ATU are owned by the electric utility companies. ATU is charged rent for its use of these poles, and the amount of that rent is dependent on the number of poles ATU uses.
- 9 Effective date 7-21-97. ATU's only method to identify multiple lines to a location is if both lines are billed on the same account. Multiple lines to a location billed on two separate accounts appear as two single lines.
- 10 ATU does not utilize 40-foot class 4 treated southern pine poles. Per Agreements with electric

|     |   |
|-----|---|
|     | companies, who install the majority of poles in Anchorage, 40-foot class 3 treated poles are utilized. ATU contacted Chugach Electric for their average cost of installing poles.   |
| 11a | ATU cannot separately identify feeder and distribution plant in its records. Per our understanding, because of similar problems among all data request participants, the separate identification between feeder and distribution is no longer required. |
| 11b | Waiver Request filed August 8, 1997.  |
| 12  | Not applicable. ATU did not install any digital switches in 1995 or 1996.   |
| 14  | ATU purchased the DLCs as a package which includes the per-line investment necessary to fill ATU's requirements at cutover. Per-line cards are added on an as needed basis, thereafter.   |
| 16  | Not applicable. ATU has not filed with a state or federal commission a forward-looking or economic cost study for maintenance expense.  |
| 18  | Waiver Request to separately identify residential, single line business, and multi line business filed August 8, 1997.  |
| 20  | Investment includes land and buildings associated with a central office. Investment for administrative buildings that do not house a switch, are not included.  |

**WIRE CENTER LEVEL DATA -- Attachment 1**

**Company:**  
**Study Area:**

| WC by<br>Bellcore<br>CLLI code | Question (1)                     |                     |                     |               |               |               | Ques. (3)      |
|--------------------------------|----------------------------------|---------------------|---------------------|---------------|---------------|---------------|----------------|
|                                | Number of Switched Working Loops |                     | Non-switched        |               | Non-          | Non-          | Usage          |
|                                | Residential                      | Sngl. Line Business | Multi Line Business | Working Loops | Working Loops | Revenue Loops | Study Included |
| ANCRAXNDS1 (NWC)               | confidential                     | confidential        | confidential        | confidential  | confidential  | confidential  | confidential   |
| ANCRAXSDS1 (SWC)               | confidential                     | confidential        | confidential        | confidential  | confidential  | confidential  | confidential   |
| ANCRAXEDS1 (EWC)               | confidential                     | confidential        | confidential        | confidential  | confidential  | confidential  | confidential   |
| ANCRAXWDS1 (WWC)               | confidential                     | confidential        | confidential        | confidential  | confidential  | confidential  | confidential   |
| ANCRAXCDS1 (CWC)               | confidential                     | confidential        | confidential        | confidential  | confidential  | confidential  | confidential   |
| ANCRAXRRS1 (RCWC)              | confidential                     | confidential        | confidential        | confidential  | confidential  | confidential  | confidential   |
| ANCRAXORS1 (OMWC)              | confidential                     | confidential        | confidential        | confidential  | confidential  | confidential  | confidential   |
| ELMNAKXARS1                    | confidential                     | confidential        | confidential        | confidential  | confidential  | confidential  | confidential   |
| FTRCAKXARS1                    | confidential                     | confidential        | confidential        | confidential  | confidential  | confidential  | confidential   |
| GRWDAKXARS1                    | confidential                     | confidential        | confidential        | confidential  | confidential  | confidential  | confidential   |
| INDNAKXARS1                    | confidential                     | confidential        | confidential        | confidential  | confidential  | confidential  | confidential   |
| Study Area                     | 0                                | 0                   | 0                   | 0             | 0             | 0             | 0              |

\* Includes area that is not presently served but considered ATU Service area (i.e., military)

\*\* Includes Bird, Hope, Indian, Girdwood, and Sunrise; excludes water.





| WIRE CENTER LEVEL DATA -- Attachment 1 |              |              |              |              |          |            |           |          |
|--|--------------|--------------|--------------|--------------|----------|------------|-----------|----------|
| Company:                               |              |              |              |              |          |            |           |          |
| Study Area:                            |              |              |              |              |          |            |           |          |
| Question (9)                           |              |              | Ques. (11)   | Ques. (19)   |          | Ques. (20) |           |          |
|  |              |              | DCPR         | No. of       |          |            |           |          |
| Total                                  | Multi-line   | Channels     | Balance      | Number of    | Square   | Cost of    | Cost of   | No. of   |
| Customers                              | Customers    | Served thru  | USOA Acct.   | Switched     | Miles    | Land       | Buildings | Switches |
|  |              | ISDN         | 2212         | Lines        | Served   |            |           |          |
| confidential                           | confidential | confidential | confidential | confidential | 11.82    | 19038      | 4692032   | 1        |
| confidential                           | confidential | confidential | confidential | confidential | 18.25    | 7267       | 2819612   | 1        |
| confidential                           | confidential | confidential | confidential | confidential | 17.51    | 17705      | 2277937   | 1        |
| confidential                           | confidential | confidential | confidential | confidential | 26.05    | 0          | 1292593   | 1        |
| confidential                           | confidential | confidential | confidential | confidential | 8.16     | 44943      | 7821873   | 1        |
| confidential                           | confidential | confidential | confidential | confidential | 29.38    | 29629      | 850279    | 1        |
| confidential                           | confidential | confidential | confidential | confidential | 6.01     | 25221      | 306422    | 1        |
| confidential                           | confidential | confidential | confidential | confidential | 25.34 *  | 0          | 130740    | 1        |
| confidential                           | confidential | confidential | confidential | confidential | 107.1 *  | 0          | 87047     | 1        |
| confidential                           | confidential | confidential | confidential | confidential | 253.25 * | 3112       | 663735    | 1        |
| confidential                           | confidential | confidential | confidential | confidential |          | 34960      | 191860    | 1        |
| 0                                      | 0            | 0            | 0            | 0            | 502.87   | 181875     | 21134130  | 11       |



**SWITCH SPECIFIC DATA  
DIGITAL LINE CARRIER**

**Attachment 2**

**Company: Anchorage Telephone Utility  
Study Area: Anchorage Telephone Utility**

Question (14)

Question (21)

DLCs Purchased in 1995 & 1996

DLC Contracts

| DLC   | Material Cost |                 | Installed Cost |                 | No. Lines           | DLC   | DLC Manufacturer | Contract is Proprietary | Time Period For contract |
|-------|---------------|-----------------|----------------|-----------------|---------------------|-------|------------------|-------------------------|--------------------------|
|       | Common Equip. | Per-line Equip. | Common Equip.  | Per-line Equip. | Served 1st yr. y.e. |       |                  |                         |                          |
| 39701 | 46667         |                 | 125145         |                 | 691                 | 39701 | Fujitsu          | Yes                     | 5/4/94-5/3/98            |
| 34971 | 51015         |                 | 111351         |                 | 158                 | 34971 | Fujitsu          | Yes                     | 5/4/94-5/3/98            |
| 33821 | 37615         | 2113            | 66020          | 3709            | 273                 | 33821 | Fujitsu          | Yes                     | 5/4/94-5/3/98            |