

**A SURVEY OF
UNBUNDLED NETWORK ELEMENT PRICES
IN THE UNITED STATES
(Updated January 2004)**

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Introduction

Since the last update of this survey in July 2003, average prices for unbundled loops and the unbundled network element-platform (UNE-P⁽¹⁾) have risen. This marks the first increase in unbundled network element (UNE) prices since this survey began reporting nationwide average UNE prices in January 2002. **Since July 2003 the national average unbundled loop price increased by 1.0%, from \$12.72 per month to \$12.85 per month, and the basic UNE-P price increased by 0.3%, from \$15.67 per month to \$15.71 per month.**⁽²⁾

With the completion of the Section 271 review process for the regional Bell operating companies (RBOC's), the tempo of changes in UNE prices has greatly declined. Nevertheless, there were several significant decisions by regulatory commissions during the last six months modifying UNE prices, including the recent order of the Federal Communications Commission (FCC) establishing UNE prices for Verizon in the Virginia arbitration.⁽³⁾ Several states are currently reviewing their UNE rates, and the RBOC's have initiated cases in a number of states seeking increases in existing UNE prices. Meanwhile, the FCC is contemplating changes in TELRIC methodology for determining UNE rates, and the ultimate fate of the UNE-P rests with the Courts. As a result, it is unclear whether there will be major changes in UNE prices available to competitors during the next six months.

Background

The Telecommunications Act of 1996 (the Act) envisioned three paths to local service competition: resale of an incumbent's service, overbuild of separate competitor facilities, and leasing of unbundled elements of the incumbent's network.⁽⁴⁾ Under the Act and FCC regulations, states were empowered to arbitrate disputes between carriers concerning prices for UNEs.⁽⁵⁾ Most states rendered initial UNE pricing decisions in the 1997-1998 time period. Subsequent FCC decisions on geographic de-averaging of UNE loop prices⁽⁶⁾ and Section 271 proceedings on RBOC requests to provide interLATA services have resulted in reexamination of UNE rates in many states. A number of these proceedings are still ongoing.

In order to compare the results of state oversight of UNE pricing, in the spring of 2001 a survey was conducted of UNE prices in all fifty states and the District of Columbia. Data contained in the survey came from state commission, FCC and RBOC Web sites, supplemented with phone and e-mail contacts with state commission and phone company personnel.⁽⁷⁾ The UNE prices presented in the survey are for the incumbent RBOC in each state, except where noted.⁽⁸⁾ This survey has been updated to incorporate changes in UNE rates and end-user charges as of January 2004.

Table 1 presents the actual UNE rates and their billing basis: per line, per minute, per mile, etc. Rates are presented for unbundled loops, switching, line port and transport. Where a state has de-averaged loop prices into geographic zones, these zone prices are presented along with a statewide average loop price. States which have changed UNE rates since the last survey update are indicated in bold type on Table 1. This table also shows the number of access lines served by the RBOC in each state. These access line counts came from the latest Universal Service submission to the FCC by the National Exchange Carrier Association.⁽⁹⁾

State transport rates were the most difficult to present in an easily comparable manner. Transport rate structure varies widely from state to state, and the need for particular transport elements depends on the network architecture in an area served by a competitor. In order to present complete information and reduce complexity at the same time, the transport rate column was typically limited to rates for tandem switching and common transport.

Table 1A presents the different UNE rates for loops and ports when these elements are combined, as in a UNE-P. These lower combination rates exist in most BellSouth states, and are used in the UNE-P comparisons presented on Table 2, Table 3 and Table 4.

In order to translate the different rates in different states to a common basis for comparison -- in other words, to present an apples-to-apples comparison B the UNE rates for loop, switching and line port for each state were converted to monthly dollar amounts and added together to derive a monthly per line basic UNE-P price.⁽¹⁰⁾ Per minute switching rates were converted to dollar amounts by assuming monthly switching usage of 1000 minutes per line. In states with on-peak/off-peak switching rates, or originating/terminating switching rates, the 1000 minutes were allocated 50/50. In states with day/evening/night switching rates, the 1000 minutes were allocated 50/30/20. In states with per call or set-up rates, it was assumed there were 100 calls per month.⁽¹¹⁾

Table 2, Table 3 and Table 4 compare the total monthly basic UNE-P price in each state to three different benchmarks of the local market in that state. Table 2 compares the total monthly UNE-P price in each state to the average monthly per line revenue in that state. The per line revenue is limited to basic service revenues and end-user charges⁽¹²⁾ and is taken from the latest state revenue report included in the FCC's *Trends in Telephone Service*.⁽¹³⁾ In the last column for each state in Table 2, the total UNE-P price is expressed as a percentage of the average per line revenue in that state. In states with de-averaged loop or port prices, the percentage changes for each cost zone.

Table 3 compares the total monthly basic UNE-P price in each state to the average monthly per line residential rate in that state. These residential rates are taken from the latest FCC rate survey,⁽¹⁴⁾ and adjusted for changes in monthly rates caused by changes in the subscriber line charge (SLC) cap and federal universal service fund (FUSF) surcharges effective January 1, 2004.⁽¹⁵⁾ In the last column on Table 3, the total UNE-P price is expressed as a percentage of the residential rate in that state.⁽¹⁶⁾

Table 4 compares the total monthly UNE-P price in each state to the average monthly per line business rate in that state. These business rates are also taken from the latest FCC rate

survey⁽¹⁷⁾ and adjusted for changes in the SLC and FUSF. In the last column on Table 4, the total UNE-P price is expressed as a percentage of the business rate in that state.

Appendix 3, page 1, shows the derivation of basic UNE-P prices for the RBOC in each state using average rates for loops, ports and switching, and assuming 1000 minutes of use per month.⁽¹⁸⁾ Page 1 also shows the weighted national average rate for each element. The weighting is based on the number of access lines served by each RBOC, as reported in the NECA Universal Service submission. Appendix 3, page 2, sorts the data for basic UNE-P shown on page 1 of Appendix 3, using assumed switching usage of both 1000 and 2000 minutes of use (MOU), and also ranks stand-alone loop rates from Table 1. The average loop rates and basic UNE-P rates for the RBOC in each state are ranked from highest to lowest cost.

As mentioned earlier, the UNE rates presented in this survey are subject to change. Several states are still considering proposals to adjust UNE rates. Even if the FCC does not substantially change the pricing standard for UNEs, it is likely that states will continue to fine tune UNE prices in light of evidence at the local level. A listing of the national average UNE prices for loops, port, switching, and UNE-P reported in each update of this UNE survey since January 2002 is set forth in Appendix 4.

State commissions that change UNE prices - or anyone who detects erroneous information in any of the tables in this survey - are urged to contact Billy Jack Gregg at bjgregg@verizon.net or 304-562-3507.

Useful Web sites

AT&T/BellSouth

AT&T/BellSouth Tariffs and Notifications

<http://cpr.bellsouth.com>

AT&T/BellSouth CLEC Contracts

http://cpr.bellsouth.com/clec/docs/all_states/index7.htm

AT&T Wholesale - Southeast Region

<http://wholesale.att.com/>

AT&T/BellSouth UNE Zones

http://wholesale.att.com/reference_library/become_a_clec/deaverage.html

AT&T/SBC

SBC Tariffs

<http://www.search.att.com/search/tariffs.jsp>

AT&T Regulatory and Legal Documents

<http://www.att.com/gen/public-affairs?pid=3181>

Qwest

Multi-State Negotiation Interconnection Agreement

<http://www.qwest.com/wholesale/clecs/sgatswireline.html>

Qwest Tariffs

http://tariffs.qwest.com:8000/Q_Tariffs/index.htm

Qwest SGATs

<http://www.qwest.com/about/policy/sgats>

Qwest UNE Zones

<http://www.qwest.com/wholesale/guides/geozone.html>

Verizon

Verizon Wholesale Resources

<http://www22.verizon.com/wholesale>

Verizon Tariffs

<http://www22.verizon.com/tariffs/>

Verizon UNE Zones

http://www22.verizon.com/wholesale/searchportal/index.jsp?datapath=http://www22.verizon.com/wholesale/&ip_text=density&category

Federal Communications Commission

Wireline Competition Bureau Statistical Reports

<http://www.fcc.gov/wcb/iatd/stats.html>

1. "UNE-P" stands for "UNE platform," the minimum elements necessary to provide local service to a retail customer. As discussed below, the basic UNE-P used in this survey includes only loop, port and switching.
2. However, as shown in Appendix 4, since January 2002 average loop rates have fallen 9.4%, from \$14.18 per month to \$12.85 per month, while UNE-P rates have fallen by 17.1%, from

\$18.95 per month to \$15.71 per month. Within the UNE-P, switching costs have shown the biggest decline, dropping 54.2% since January 2002, from \$2.36 per month to \$1.08 per month for 1000 minutes of use.

3. In the Matter of Petition of WorldCom, Inc. et al., CC Docket Nos. 00-218 and 00-251, *Memorandum Opinion and Order*, DA 04-181 (Jan. 29, 2004).

4. 47 USC 251.

5. 47 USC 252; 47 CFR §51.501 - 51.515.

6. 47 CFR §51.507(f); In re: Federal-State Joint Board on Universal Service, CC Docket No. 96-45, *Ninth Report and Order and Eighteenth Order on Reconsideration* (rel. Nov. 2, 1999) at paragraph 120.

7. A listing of useful Web sites is set forth at the end of this report.

8. A list of acronyms used in the survey is presented in Appendix 1 at the end of the survey.

9. Universal Service 2003 Submission to FCC, NECA (Oct. 1, 2003), Table 6.

10. While in most instances it is necessary to also purchase unbundled transport in order to have a basic UNE platform capable of supplying local service, state transport rates were too variable to reduce to monthly dollar figures. **The reader is cautioned that the total monthly UNE prices presented in Appendix 3 and Table 2, Table 3 and Table 4 do not contain a cost for transport.**

11. Several parties have argued that the 1000 minutes of use (MOU) used in this survey for switching cost are too low to give an accurate measure of the cost of a basic UNE-P. It is pointed out that the national average monthly MOU is approximately 1400 MOU, and that several states have average MOU in excess of 2000 MOU per month. In order to present the impact of assuming a larger amount of switching usage, page 2 of Appendix 3 presents a ranking of the cost of basic UNE-P in the states based on both 1000 MOU and 2000 MOU. However, the UNE-P costs presented in Table 2, Table 3 and Table 4 continue to assume 1000 MOU.

12. While it can be argued that winning a line will provide a competitor with access to all of the revenues produced by that line -- such as long distance and internet revenues B these other revenue sources were not included since costs to provide these other services were not considered in the survey.

13. Table 16.8, [Trends in Telephone Service](#), FCC Wireline Competition Bureau, IAD (Aug. 2003).

14. Table 1.3, [Reference Book of Rates, Price Indices and Household Expenditures for Telephone Service](#), FCC Wireline Competition Bureau, IAD (July 2003). Rates for RBOCs in twelve states were not included in the FCC's rate survey: Delaware, Idaho, Iowa, Kansas,

Nevada, New Hampshire, North Dakota, Oklahoma, South Carolina, South Dakota, Vermont and Wyoming. Rates for these states were taken from local service tariffs, and include the applicable SLC and FUSF.

15. The ceiling for residential and single-line business SLCs was increased to \$6.50 per month on July 1, 2003, although 28 states have SLCs below the cap. The average SLC is \$5.76 per month. FUSFs charged by local carriers now average 534 per month, and are subject to quarterly adjustment. The FUSF surcharge and SLC for each company are shown in Appendix 2.

16. It should be noted that most of the cities used in the FCC's rate surveys are larger cities, typically falling in the lowest cost UNE loop zone in each state. It would be useful to augment the survey with representative residential and business rates for areas falling in the higher cost zones in each state.

17. Table 1.10, [Reference Book of Rates, Price Indices and Household Expenditures for Telephone Service](#), FCC Wireline Competition Bureau, IAD (July 2003).

18. When weighted averages for de-averaged port and switching rates were not available for a particular state, unweighted arithmetical averages were used for that state.