NEWS

News media Information 202 / 418-0500
Fax-On-Demand 202 / 418-2830
Internet: http://www.fcc.gov
ftp.fcc.gov

Federal Communications Commission
445 12th Street, S.W.
Washington, D. C. 20554

This is an unofficial announcement of Commission action. Release of the full text of a Commission order constitutes official action. See MCI v. FCC. 515 F 2d 385 (D.C. Circ 1974).

August 31, 1999

FCC RELEASES REPORT ON LOCAL COMPETITION

The FCC has released a report titled *Local Competition: August 1999*. The report is the first update to the *Local Competition* report released by the Industry Analysis Division in December 1998. As did the initial report, the new report presents and updates available statistical material, data from Common Carrier Bureau surveys, and information mined from other public sources. It also discusses preliminary statistical analyses of the effects of demographic and regulatory factors on the pattern of competitive entry into local telephone markets.

New data contained in the report indicate that local competition is becoming more geographically widespread. By the end of 1998, competitive local exchange carriers (CLECs) had acquired the numbering resources necessary to provide services over their own facilities in all states. As of the end of June, there remained only 18 of the nation's 193 local access and transport areas (LATAs) where CLECs had not yet obtained such resources. Also, CLEC use of incumbent local exchange company (ILEC) services and facilities continues to increase. At year-end 1998, the largest ILECs as a group provided about 2% of their lines to CLECs on a resale basis (up from about 1% a year earlier). The number of ILEC unbundled local loops leased to CLECs almost tripled between 1997 and 1998, to a still-small 0.2% of total ILEC lines. CLECs were, however, reported to be collocated in switching centers serving almost half of major ILEC total customers.

The new data do not substantially change the broad conclusions set out in the initial report. Local competitors continue growing at a rapid pace. Starting from a small base, however, their presence remains less than 5% of the local market.

The report is available for reference in the FCC's Reference Center at 445 12th Street, S.W., Courtyard Level. Copies may be purchased by calling International Transcription Services, Inc. (ITS) at (202) 857-3800. The report can be downloaded [file name LCOMP99-1.PDF or LCOMP99-1.ZIP] from the **FCC-State Link** internet site at http://www.fcc.gov/ccb/stats on the World Wide Web.

FCC

For additional information, contact the Industry Analysis Division, Common Carrier Bureau, at (202) 418-0940, or for users of TTY equipment, call (202) 418-0484.

LOCAL COMPETITION: AUGUST 1999

Industry Analysis Division
Common Carrier Bureau
Federal Communications Commission

This report is available for reference in the FCC's Reference Information Center at 445 12th Street, S.W., Courtyard Level. Copies may be purchased by calling International Transcription Services, Inc. (ITS) at (202) 857-3800. The report can be downloaded [file name LCOMP99-1.PDF or LCOMP99-1.ZIP] from the **FCC-State Link** internet site at http://www.fcc.gov/ccb/stats on the World Wide Web.

LOCAL COMPETITION: AUGUST 1999

TABLE OF CONTENTS

OVERVIEW 1

I. PRELIMINARY STATISTICAL ANALYSES OF LOCAL COMPETITION 3

II. NEW ENTRANT SHARE OF THE NATIONWIDE MARKET 11
- Chart 2.1 Fiber Miles 15
- Chart 2.2 Percentage Growth in Fiber Mileage 15
- Table 2.1 Local Service Market 16
- Table 2.2 Total Telecommunications Revenue 17
- Table 2.3 Revenue for Services Provided to Other Carriers for Resale Reported by Carriers that Contribute to Universal Service Support Mechanisms 18
- Table 2.4 Revenue for Services Provided to End Users Reported by Carriers that Contribute to Universal Service Support Mechanisms 19
- Table 2.5 Telecommunications Revenue: All Carriers 20

III. NEW ENTRANT USE OF INCUMBENT SERVICES AND FACILITIES: NATIONWIDE, BY STATE, AND BY COMPANY 21
- Table 3.1 Lines Provided by Large ILECs to CLECs for Resale 25
- Table 3.2 CLEC Residential and Other Customers Served by ILEC Total Service Resale (TSR) Lines 28
- Table 3.3 Lines Provided by Large ILECs to CLECs as UNE Loops 32
- Table 3.4 Percent of ILEC Lines Served by Switching Centers Where New Entrants Have Collocation Arrangements 36

IV. NEW ENTRANTS IN THE SWITCHED MARKET: NATIONWIDE, BY STATE, AND BY LATA 43
- Table 4.1 Local Service Competitors Holding Numbering Codes 45
- Chart 4.1 Local Service Competitors Holding Numbering Codes by LATA on July 1, 1999 46
- Table 4.2 Local Service Competitors Identified 47
- Table 4.3 Numbering Codes Assigned to Local Exchange Carriers 66

V. TELEPHONE NUMBERS TRANSFERRED AMONG CARRIERS 67
- Table 5.1 Telephone Numbers Transferred 69

VI. NEW ENTRANT LOCATOR INFORMATION 71
- Table 6.1 Competitive Access Providers and Competitive Local Exchange Carriers 73
- Table 6.2 Local Resellers and Other Local Exchange Carriers 81
- Table 6.3 Long Distance Carriers Reporting Local Revenues 83

VII. ADDITIONAL INFORMATION SOURCES: LOCAL COMPETITION BY STATE 85

CONTACTING THE REPORT AUTHORS 87

LOCAL COMPETITION: AUGUST 1999

Local Competition: August 1999 is an update to the *Local Competition* report released in December 1998. It presents more recent information about the extent and pattern of local competition. We have undertaken various statistical analyses, and present several preliminary findings and suggestions for further research.

The information summarized in this report shows that local service competitors continue to grow very rapidly but remain a small portion of the overall market. Traditional local telephone companies -- also called incumbent local exchange carriers or ILECs -- continued to claim well over 90% of the nationwide local market in 1998.

Information on the total revenues of telecommunications companies in 1998 is now available from data filed by those companies during the second quarter of 1999.[1] Even under the most expansive definition of local service competition -- which includes competitive local exchange carriers (CLECs), competitive access providers (CAPs), and also long distance and other telecommunications carriers to they extent they report local service revenues -- the ILECs retain 96% of local service revenues. Further, even within their relatively small share of the market, the revenues of local competitors come primarily from special access and local private line services rather than from switched service to end users.

At least three trends appear interesting in the revenue data shown in Section II of this report. First, the nationwide revenue market share of carriers identifying themselves as primarily CLECs or CAPs has continued to increase, to 2.4% of local service revenues in 1998. Second, local exchange service revenues of "other" carriers (local resellers, shared tenant service providers, private carriers, payphone providers, toll carriers that reported local revenues, etc.) have grown rapidly, to 1.1% of 1998 nationwide local service revenues. Much of this amount represents entry *via* resale by carriers of substantial size. Third, therefore, the fringes of the local market are being nibbled by firms of substantial size (primarily long distance and wireless carriers with billions of dollars of non-local revenues).

The Telecommunication Act of 1996 established three paths to local service competition. CLECs may resell the services of ILECs. Second, CLECs may make use of ILEC facilities, such as unbundled network element (UNE) loops. Finally, CLECs may build their own facilities. Individual CLECs have used various combinations of these methods at different times.

Surveys of competitive activity as reported by major carriers are summarized in Section III of this report. The survey information indicates that about 2% of ILEC lines were being resold by CLECs at the end of 1998, up from about 1% at the end of 1997. (See Table 3.1.) The use of UNE loops almost tripled in the course of 1998, but remained a small 0.2% of incumbent company lines at the end of the year. (See Table 3.3.) Thus, ILEC competitors continue to concentrate on resale, rather than the use of UNE loops. The surveys of ILECs, of course, contain no information on the extent to which

---

[1] All companies with more than *de minimis* telecommunications revenues are required to file Universal Service Worksheets. Although the company-specific information is confidential, the reported revenues can be aggregated to provide the type of information presented in Section II of this report. This revenue information was on file with the Universal Service Administrative Company as of April 23, 1999.

CLECs are serving customers solely over their own facilities and, with few exceptions, CLECs have not participated in our voluntary local competition surveys. The available information about deployment of fiber optic systems, however, indicates that new local service competitors are deploying fiber in their networks at a faster rate than are ILECs. Local competitors increased their amount of fiber in place about five-fold from the end of 1995 to the end of 1998 and now have at least 16% of the total fiber optic system capacity potentially available to carry calls within local markets. (See Charts 2.1 and 2.2.)

The geographic reach of facilities-based competition also continues to increase. By the end of June 1999, facilities-based CLECs were in every state, and in all but 18 of the nation's 193 local access and transport areas (LATAs). (See Table 4.2.) In Section V of this report, we present the first publicly available information on telephone numbers transferred (or "ported") from one carrier to another. Over time, this information should provide insights into the number of customer lines served by competitors and also may ultimately provide information on other aspects of competition, such as customer churn among carriers.

In the initial section of this report we present a summary of our preliminary analyses of the pattern of local competition. Statistical analysis demonstrates a clear pattern of CLECs entering the largest and densest markets first. Our results also suggest interesting lines of additional inquiry, particularly about the influence of incumbent facility lease rates on the pattern of local competition.

While statistical analysis can identify relationships between variables -- and the statistical significance of those relationships -- it does not identify causality. In some cases, the statistical relationships we have identified could be explained by several alternative, and not necessarily consistent, hypotheses. Thus, we present our preliminary statistical analyses in order to encourage additional research rather than to report definitive conclusions. Because local competition is in its early stages -- with new local competitors serving fewer than 5% of lines in most areas -- more time will be required to identify trends and complete further analysis.

I. PRELIMINARY STATISTICAL ANALYSES OF LOCAL COMPETITION

The analyses described in this section address the progress of local telephone competition in the three-year period following the passage of the Telecommunications Act of 1996. Using data measuring the emergence of competition presented in later sections of this report, we have used standard statistical regression techniques to evaluate the effects of demographic and regulatory factors on the pattern of competitive entry into local telephone markets.[2]

Local Market Entry Strategies

The 1996 Act sought to encourage the development of competition in local telephone markets by providing new competitors with three separate methods of entering the market. First, using total service resale (TSR), firms can purchase ILEC services at discounted prices and resell the services to consumers. It was often suggested that firms would be more likely to select a resale strategy to build a presence when initially entering a market rather than as a longer term competitive strategy. As indicated in Table 3.1, about 1.7% of ILEC lines were provided on a TSR basis at the end of 1998.[3]

It also was anticipated that some firms would build complete telecommunications networks using their own facilities. For example, some of the firms having already installed fiber rings and other facilities to reach major corporations were expected to fill out their systems with additional switches and lines to smaller customers.

Finally, it was expected that some new entrants would lease a portion of facilities from ILECs while providing a portion of facilities themselves. Such a "hybrid" approach might include, for example, a carrier providing its own switching and vertical services while leasing local telephone lines from the incumbent carrier as UNE loops. As indicated in Table 3.3, about 0.2% of ILEC lines were provided as UNE loops at the end of 1998.

Questions Addressed by the Analyses

While the focus of the analyses summarized in this section is a description of entry patterns following passage of the 1996 Act, we have also conducted a preliminary assessment of the effectiveness of key components of the Act. In particular, we have assessed the prohibition in the Act that prevents Bell operating companies (BOCs) from providing long distance service in their own local service territories and the effects on competitive entry caused by the leasing and resale entry vehicles created by the Act. Our conclusions on these matters, however, are based on very preliminary evidence.

---

[2] Details of the econometric analysis are presented in a staff working paper, the most up-to-date version of which is available from Jim Zolnierek at jzolnier@fcc.gov or (202) 418-0940.

[3] In addition to reselling lines acquired from ILECs on a TSR basis (i.e., at a wholesale price discount from the ILEC's retail price), some competing carriers purchase some ILEC services at retail rates for resale as part of a package of local, long distance, and other communications services. On a nationwide basis, most ILEC lines resold by CLECs are acquired on a TSR basis, but the other form of resale is significant in several states. As reported in Table 3.1, the highest percentages of total resold lines (i.e., TSR plus other resale) are reported for Iowa, where McLeodUSA started reselling ILEC "centrex" services before the 1996 Act took effect.

Our data on facilities-based market entry, summarized in Section IV of this report, measure the number of solely facilities-based and hybrid carriers[4] in each LATA nationwide.[5] We have examined the progress of competition at four points in time: (1) at the conclusion of the first quarter of 1996 (essentially contemporaneous with passage of the 1996 Act); (2) at the conclusion of the first quarter of 1997; (3) at the conclusion of the first quarter of 1998; and (4) at the conclusion of the first quarter of 1999. When combined with demographic information, our data set provides us a means to evaluate competitive entry of facilities-based firms into local telephone markets.

Our analysis differentiates markets according to the amount of facilities-based competitive entry in each. For 1996, we examined differences between markets with and without entry. Our selection of only two categories for the 1996 data was dictated by entry behavior itself. There were very few markets entered in 1996. Consequently, the small number of markets with entry prevented us from examining more detailed differences among these particular markets in 1996.

For 1997, we had sufficient data to examine differences among markets with no entry, markets with 1-4 entrants, and markets with 5 or more entrants. For both 1998 and 1999, we examined differences among markets with no entrants, markets with 1-4 entrants, markets with 5-9 entrants, and markets with 10 or more entrants. Thus, over time, as more markets have been entered, we have been able to undertake increasingly detailed statistical analyses of the pattern of local competition.

Because the variation in the number of competitors in each market has increased over time, our analysis and subsequent results have become richer over time. As a corollary, however, our ability to analyze some differences in markets will diminish over time. For example, it is likely that in the near future virtually all markets will have been entered. Relying on data available at such a point in time, one will be unable to draw any conclusions regarding differences between markets with and without entry. This inevitable outcome further emphasizes the unique opportunity, available at this time, to analyze the factors that contribute to the formation of local competition in the telephone industry.

Results of the Analyses

In addition to enabling us to analyze key determinants of entry of facilities-based firms into local telephone markets, the data set we have examined allows us to evaluate the validity of certain assertions of industry analysts. One such assertion, made by virtually all analysts, is that competition is emerging most rapidly in urban business districts.[6] This observation meets with prior expectations, which are

---

[4] Facilities-based carriers are those carriers that provide service to customers on their own network using their own equipment (or plant). Hybrid-facilities-based carriers provide service to customers on their own network using their own equipment in tandem with equipment leased from other telecommunications carriers. Hereafter, unless otherwise specified, we will use the term facilities-based carriers to refer to the combination of both facilities-based and hybrid-facilities-based carriers.

[5] LATAs delineate the geographical areas within which BOCs may offer telephone service. BOCs are prohibited from carrying telephone traffic across LATA boundaries (interLATA traffic), but are allowed to carry telephone traffic, including toll calls, within LATA boundaries (intraLATA traffic). As used here, long distance service refers to interLATA service.

[6] Huber states: “In local markets, competition has developed rapidly – but only where competition makes strategic sense for new entrants. It makes sense in the business markets of larger cities.” ("Local Exchange Competition Under the 1996 Act: Red-Lining the Local Residential Customer," report researched by Telecom Policy and Analysis Group and written by Peter W. Huber, funded by SBC Communications Inc. and BellSouth Corporation, 1997, at i.) Cooper and Kimmelman

based on historical telephone cost and usage patterns. For example, a large body of literature describing the cost structure of the telephone network supports the conclusion that local telephone companies incur greater costs by serving rural customers than by serving urban customers.[7] Furthermore, business customers, which are often concentrated in urban areas, have historically used the network more intensively than residential customers.[8] Consequently, local telephone companies have historically collected a disproportionate share of their local telephone revenue from business customers. In concert, these factors indicate that the high-volume, low-cost customers in urban business districts are more attractive to new entrants than either rural or residential customers.

The facilities-based entry patterns in the three years following the 1996 Act's passage provide empirical support for these observations. We have found statistical support for the fact that firms are entering the largest and densest markets first. That is, in each period examined there is a statistically significant and positive relationship between the probability a market is entered and the number of households in the area. In addition, in all periods after 1996, the relationship between the percentage of the population in areas typically characterized by high business concentration, dense urban areas, and the probability the area is entered is statistically significant and positive. Examining the most recent period (1999), these results extend to differences between the degree of entry in entered markets.[9] While these results are not surprising, they provide systematic empirical support for observations that have heretofore been supported by anecdotal evidence.

In addition to describing entry patterns, the information gathered in this report sheds light on the effectiveness of key components of the 1996 Act. An aspect that has drawn particular attention is the prohibition that prevents the largest incumbent local telephone companies, the BOCs, from carrying long distance traffic in their own local service territories until certain conditions have been met.[10] The

---

claim: "To the extent that there is competition, it is almost entirely restricted to the large urban areas." ("The Digital Divide Confronts the Telecommunications Act of 1996," report written by Mark Cooper, Consumer Federation of American, and Gene Kimmelman, Consumers Union, Feb. 1999, at 34.) Hubbard and Lehr assert: "Such competition as the incumbents face is limited to commercial customers in major metropolitan areas." ("Improving Local Exchange Competition: Regulatory Crossroads," report by R. Glenn Hubbard and William H. Lehr, funded by AT&T, Feb. 1998, at 15.) Similarly, Gabel and Gabel claim: "Due to large sunk costs, as well as other barriers, replication of the loop network has occurred in few places outside of central business districts." (Richard Gabel and David Gabel, "The Application of Cost Data in the Telecommunications Industry," paper presented at Twenty-fifth Annual Telecommunications Policy Research Conference, Alexandria, VA, Sept. 27-29, 1997, at 12.)

[7] For a summary of the literature on telephone network costs, *see* Robert W. Crandall and Leonard Waverman, *Talk is Cheap: The Promise of Regulatory Reform in North American Telecommunications*, Washington, DC: Brookings Institution Press, 1995, Chapter 3.

[8] In 1996, 68% percent of local exchange carriers' billable access lines reported to the FCC were residential lines (*see* FCC, *Statistics of Communications Common Carriers: 1996/1997 Edition*, Table 2.19). However, in 1996 only 51% of local revenue was collected from residential customers (*see* U.S. Department of Commerce, U.S. Census Bureau, *Annual Survey of Communications Services: 1996* (1998), Table 5).

[9] Specifically, LATAs with a large portion of the population in urban areas will be more likely to have 10 or more competitors than LATAs with a more rural population.

[10] For detail on the specifics of the requirements that must be met in order for the BOCs to be permitted to provide long distance service within their own local service territories, *see* Telecommunications Act of 1996, Pub. Law No. 104-104, 110 Stat. 56, codified 47 U.S.C. §§ 151 et. seq. and, in particular, section 271 of the 1996 Act, 47 U.S.C. § 271.

prohibition is perceived to combat a two-fold problem in achieving the pro-competitive goals of the 1996 Act. First, in order for a customer of a new local service provider to place calls to customers on an incumbent provider's network, and thereby receive the benefits of the existing telephone subscribership base, the new local service provider must interconnect its network with that of the incumbent.[11] Second, absent competition in the local service market, long distance carriers depend on the incumbent local telephone companies for access to their customers. Under such circumstances, incumbent local telephone companies that are able to provide long distance service can leverage their monopoly power to gain competitive advantages in the provision of long distance service.[12] Consequently, the 1996 Act prohibits the BOCs from carrying long distance traffic in their own local service territories until the conditions set out in the Act to ensure the existence of effective competition have been met.

Opinions are mixed as to whether this limitation on BOCs is an effective means of achieving the pro-competitive goals of the Act. For example, Hubbard and Lehr conclude that "[a]llowing BOC entry into long distance while preserving the lack of choice in local exchange markets will strengthen BOC's barriers to entry . . . "[13] Huber, however, argues that the BOC prohibition has exactly the opposite effect. He argues that the long distance carriers are not providing local telephone service in BOC territories in order to " . . . block Bell Company entry into the residential long-distance markets by persuading regulators that local competition has failed."[14]

Evaluating facilities-based entry patterns in local telephone markets, we find that, controlling for demographics, new firms are more likely to enter BOC regions than they are to enter independent (that is, non-BOC incumbent) regions. This relationship was not statistically significant in 1996. It was first significant in the 1997 data and has increased in significance over time. This empirical evidence lends credence to the view that the BOC long distance prohibition *is* effective in facilitating competitive entry into BOC local telephone markets. On the other hand, the empirical evidence may simply reflect a historic reluctance of state regulators to consider authorizing local competition in areas not served by BOCs because of fears of rural cream skimming or other reasons.

Interestingly, the differences in entry patterns between BOC territories and independent territories, at least in the most recent data, do not extend beyond the entry decision of the initial new provider. That is, there is little statistical difference between the *degree* of entry in a BOC territory that has been

---

[11] For a discussion of externalities (network externalities) that arise when a good is more (or less) valuable to a user the more users adopt the same good or compatible ones, *see* Jean Tirole, *The Theory of Industrial Organization*, Cambridge, MA: The MIT Press (1990), Chapter 10. As noted by Crandall: "All carriers have an interest in being able to connect with other carries, but an incumbent monopolist may find that its optimal strategy is to refuse interconnection to new carriers, thereby making it impossible for nascent carriers to survive." (Robert W. Crandall, "Managed Competition in U.S. Telecommunications," Working Paper 99-1, AEI-Brookings Joint Center for Regulatory Studies, Mar. 1999, at 10.)

[12] See Economides, for example, for a discussion of the means available to monopoly providers of local telephone service, if they also provide long distance service, to engage in anti-competitive actions against their long distance rivals. (Nicholas Economides, "The Telecommunications Act of 1996 and Its Impact," *Japan and the World Economy*, forthcoming (Sept. 1998 draft), at 24-33.)

[13] R. Glenn Hubbard and William H. Lehr, "Improving Local Exchange Competition: Regulatory Crossroads," Feb. 1998, at 41.

[14] Peter W. Huber, "Local Exchange Competition Under the 1996 Act: Red-Lining the Local Residential Customer," 1997, at 37.

entered by at least one competitor and the *degree* of entry in an independent territory that has been entered by at least one competitor. This suggests that if the factors that make independent territories less appealing to competitors are insufficient to prevent entry altogether, then those factors have very little effect on the entry patterns in the territory.

There are a number of possible explanations for these results. For example, the results may indicate that the first competitor to overcome the regulatory or other barriers to entry in an independent territory effectively removes those barriers for other competitors. Alternatively, the results may indicate "follow-the-leader" gaming effects in which entry by one competitor "triggers" entry by additional competitors who maintain competitive service territories in order to efficiently compete for capital funding. In any event, once a single competitor has entered a territory, our statistical analyses demonstrate that entry patterns in the territory are independent of whether a BOC or an independent provides service in that territory.

Open Questions for Further Analysis

Although relatively few firm conclusions can be drawn from the data thus far available, the patterns of entry observed after 1996 in areas served by Ameritech are different, to a degree that is statistically significant, from the patterns of entry observed in areas served by other BOCs. The entry patterns in Ameritech areas after 1996 resemble those of non-BOC independents rather than those of the other BOCs. That is, the probability that a facilities-based competitor is present in an Ameritech LATA is statistically indistinguishable from the probability that such a competitor is present in a non-BOC incumbent LATA, once demographic and regulatory differences among LATAs are taken into account, and is lower than the probability that a facilities-based competitor is present in a BOC LATA that is not an Ameritech LATA.

Various hypotheses might be consistent with this statistical result. One hypothesis is that Ameritech has been more successful in "rebalancing" its retail rates to more closely reflect costs, thereby making its urban business districts less attractive to entry. Another possibility is that Ameritech is a particularly low-cost carrier and its territory, therefore, is relatively unattractive to facilities-based entry.[15] Yet another hypothesis is that Ameritech is less receptive to facilities-based competition than are other BOCs, but this supposition does not seem to accord with CLEC industry perceptions. The statistical result also could occur if Ameritech accommodates entry in such a way that new entrants in its territory are less likely to rely substantially on facilities that they construct themselves. Although designed to be catalysts in the competitive process, that is, the alternative entry vehicles of resale and hybrid operation may be creating unintended consequences. Along these lines, Crandall asserts that ". . . by creating such ample opportunities for entrants to use incumbents' network facilities, the Act discourages investment in new facilities."[16]

The possibility that entrants in Ameritech's service territory may have concentrated on resale and hybrid entry strategies is suggested by data collected in the Common Carrier Bureau's voluntary local competition survey, from which key results are summarized in Section III of this report. In year-end

---

[15] At this time, we have not identified data series to test the first two hypotheses, and we welcome suggestions about available data that would allow us to do so.

[16] Robert W. Crandall, "Managed Competition in U.S. Telecommunications," Working Paper 99-1, AEI-Brookings Joint Center for Regulatory Studies, Mar. 1999, at 17.

1998 responses, summarized in Table 3.1, Ameritech was at the high end of percentage of lines resold to competitors, on a company-wide basis. Of perhaps greater significance, Ameritech reported the highest percentage of resold lines in the earlier surveys, beginning at year-end 1997. Ameritech also has consistently reported the highest percentage of lines leased to hybrid-facilities competitors as UNE loops, on a company-wide basis, as summarized in Table 3.3. The larger share of such leased lines reported by Ameritech may be due to the low lease rates in selected parts of states in its service territory. In Chicago, for example, monthly lease rates for UNE loops are under $3.00. Furthermore, in selected areas in Wisconsin, Ohio, and Michigan, Ameritech offers monthly line lease rates under $10.00, a price below the $16 average line lease rate of other ILECs for which lease rate information is available.

In sum, we simply do not yet have enough empirical data to definitively determine the reasons for the difference in facilities-based entry patterns in the Ameritech and other BOC territories in recent periods, and we invite others to participate in further statistical analysis of the determinants of this difference.

[Note to electronic version: This page intentionally not numbered and left blank.]

II. NEW ENTRANT SHARE OF THE NATIONWIDE MARKET

This section compares nationwide fiber deployment and revenue data for ILECs with data for competitors, especially new entrants in the local market. While consumers in a particular market can take service only from carriers that actually provide service in that market, the nationwide data serve as an indicator of broad trends.

Chart 2.1 summarizes fiber deployment by ILECs and by local competitors whose primary focus is providing local exchange and toll access services, rather than long distance service. "Fiber miles," which are miles of fiber cable multiplied by fiber strands per cable, include lit fiber (i.e., fiber that has been activated to carry telecommunications by the addition of optoelectronic equipment) and dark (i.e., not activated) fiber. The ILEC data include fiber in toll networks as well as fiber used to connect ILEC switches and for local distribution. This chart shows that ILECs added about 2.1 million fiber miles in 1998, an amount larger than the local competitor inventory at the end of 1997.

Chart 2.2, however, shows that local competitors have had much faster annual rates of growth of fiber deployed. Consequently, as indicated by Chart 2.1, local competitors increased their amount of fiber in place about five-fold from 1995 to 1998 and, at the end of 1998, had at least 16% of the total fiber optic system capacity potentially available to carry calls within local telecommunications markets and to deliver calls to long distance carriers. This comparison of relative fiber deployment overstates the relative size of competitive local networks, however, because it ignores the copper-based facilities of the ILECs. While the new entrants primarily install fiber, the ILECs' local networks consist primarily of copper-based facilities.

Tables 2.1 through 2.5 present revenue data taken from TRS and Universal Service Worksheets.[17] Carriers file these worksheets to help determine contribution levels for Telecommunications Relay Service and universal service support mechanisms. In these worksheets, carriers are asked to identify their primary line of business and report their revenues by type of service.

Table 2.1 shows the number and type of carriers reporting local service revenues (excluding local mobile services). ILECs reported $98 billion of local service revenue in 1998, up from $80 billion in 1993. Carriers that identified their primary business as CAP or CLEC reported $2.4 billion of local service revenue in 1998, up from less than $200 million in 1993. Other carriers (local resellers, shared tenant service providers, private carriers, payphone providers, toll carriers, etc.) reported about $1.1 billion of local exchange service revenue in 1998. In sum, the table shows that even with the most expansive definition of local competition, the ILECs billed 96% of 1998 local service revenues, even though other carriers continued to grow rapidly.

The category "all other carriers" in Table 2.1 primarily consists of payphone, wireless, and toll carriers. The amount of local exchange service revenue reported by such carriers has grown rapidly,

[17] The worksheets and the revenue data contained therein are described in Common Carrier Bureau, Industry Analysis Division, *Telecommunications Industry Revenue*, Oct. 1998. Source data have been used to generate some breakouts that do not appear in that report.

from $59 million in 1996 to $809 million in 1998.[18] Much of this amount represents entry *via* resale. Furthermore, it represents entry by substantial carriers. In 1998, 15 toll carriers with gross telecommunications revenues greater than $100 million each reported more than $1 million in local exchange service revenue.

Table 2.2 shows the total telecommunications service revenue reported by various types of companies reporting local service revenues. This measure places emphasis on the overall size of the competitors, rather than the actual levels of local service provided. By this measure, ILECs, in the aggregate, were more than a thousand times as large as the CAPs and CLECs in 1992. By 1998, they remained far larger, but the differential had fallen to the point where ILECs were only 32 times as large. In terms of overall size, ILEC revenues also remain far larger than the revenues of resellers and other firms focusing on the local market. In 1998, however, ILECs billed only 1.4 times as much revenue as did the wireless, toll, and other firms also reporting local exchange service revenue. Thus, in terms of sheer size, the fringes of the local market are being nibbled by firms of substantial size (primarily long distance and wireless carriers with billions of dollars of non-local revenues).

Tables 2.3 through 2.5 rely on the reporting format of the Universal Service Worksheet and permit a more detailed analysis of service revenues than was possible using TRS Worksheet data. Table 2.3 summarizes revenue earned in 1998 by providing services *to other carriers*, whereas Table 2.4 summarizes revenue earned in 1998 by providing services *to end users*. Together, these tables represent most of the telecommunications service provided by the industry.[19] Table 2.5 augments Universal Service Worksheet data with TRS Worksheet data of carriers that did not file Universal Service Worksheets in order to estimate the total size of the industry.

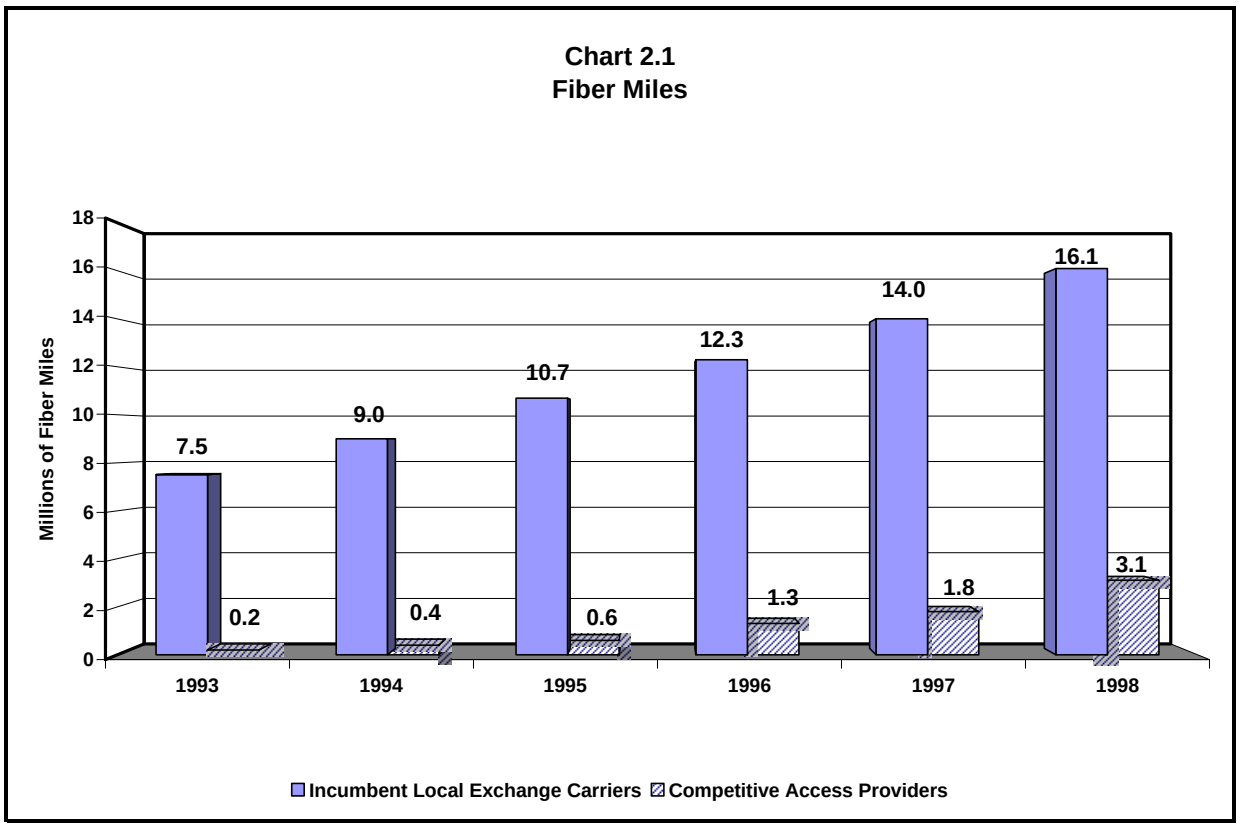
Table 2.3 shows that CAPs, CLECs, and other primarily local competitors accounted for only about 4.6% of local services provided to other carriers in 1998. Similarly, Table 2.4 shows that these competitors provided only about 1.8% of local services to end users. These carriers, however, reported about 12.2% of the total special access and local private line services provided to other carriers and 8.1% of such services provided to end users. This reflects the fact that CAPs concentrated on providing special access-type services to business customers when they first entered the market and that these services continue to represent significant parts of their businesses.

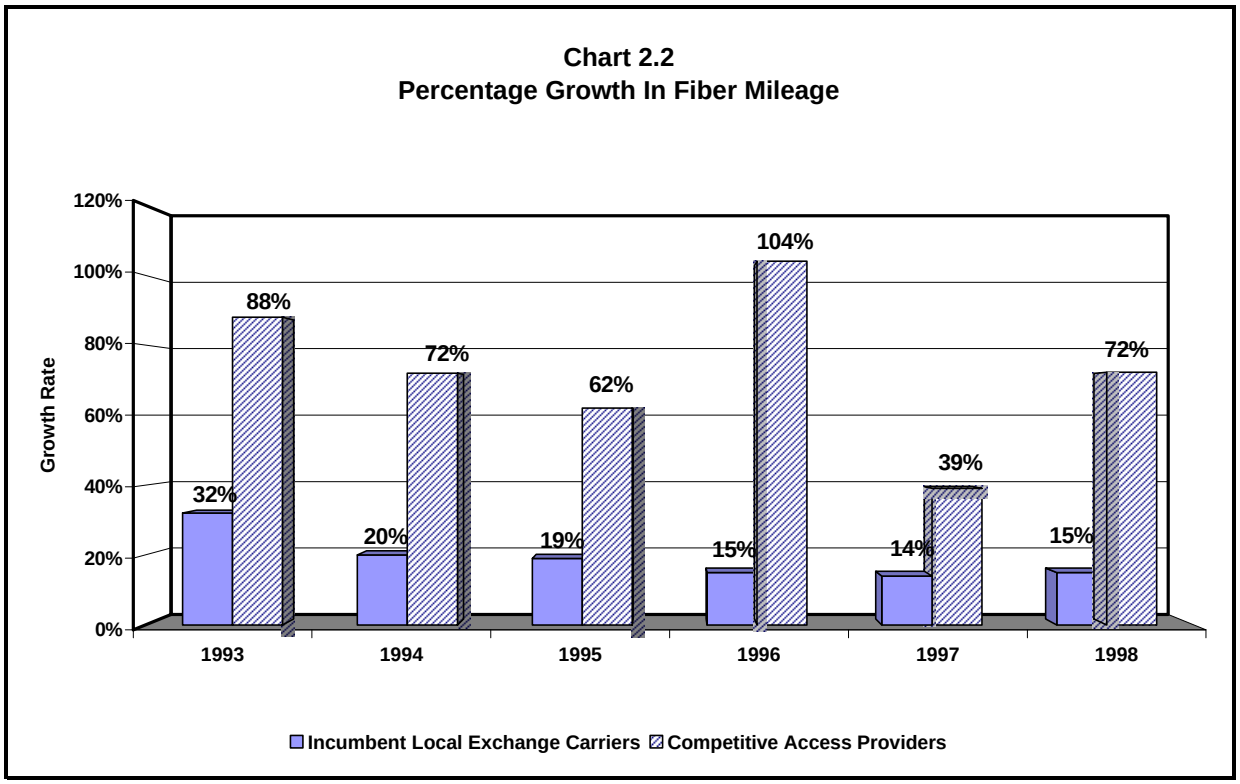
---

[18] Data summarized in Table 2.1 are adjusted for mis-reported Presubscribed Interexchange Carrier Charge (PICC) pass-through charges. The PICC is an access charge that long distance companies pay to local telephone companies as of January 1, 1998. Instead of paying a higher charge per minute to the local telephone companies as was required under older federal access charge rules, the long distance companies now pay to local telephone companies a flat-rated, per-telephone line charge plus a lower charge per minute. *See*, for example, "Consumer Information: The FCC's Interstate Access Charge System," available on the World Wide Web at <http://www.fcc.gov/Bureaus/Common_Carrier/Factsheets/access2.html>.

[19] Tables 2.3 and 2.4 do not contain about $2.3 billion of revenue from carriers that were considered *de minimis* for universal service contribution purposes.

[Note to electronic version: This page intentionally not numbered and left blank.]





Source: Industry Analysis Division, *Fiber Deployment Update* .

Table 2.1
Local Service Market *
(Dollar Amounts Shown in Millions)

	TRS Data				TRS & USF Data	
	1993	1994	1995	1996	1997	1998
Number of Local Competitors						
RBOCs & Other Incumbent LECs	1,281	1,347	1,347	1,376	1,410	n.a.
CAPs & CLECs	20	30	57	94	129	355
Local Resellers, Shared Tenant, Private Carriers & Other Local	n.a.	n.a.	n.a.	25	18	59
All other carriers reporting any local service revenue	n.a.	n.a.	n.a.	74	293	n.a.
Total	1,301	1,377	1,404	1,569	1,850	n.a.
Local Service Revenues **						
Incumbent LECs						
Bell Operating Companies ***	$58,838	$61,415	$65,485	$70,290	$68,993	$70,927
Other Incumbent LECs ***	20,894	22,507	24,269	24,899	25,355	27,449
Total ***	79,732	83,922	89,754	95,189	94,347	98,376
Local Service Competitors						
CAPs & CLECs	174	269	595	949	1,581	2,438
Local Resellers, Shared Tenant, Private Carriers & Other Local	n.a.	n.a.	n.a.	n.a.	224	329
All other carriers (local exchange service revenue only) ****	46	32	56	59	381	809
Total	220	301	651	1,008	2,186	3,575
Total	79,952	84,224	90,405	96,197	96,533	101,951
Share of Local Service Revenues						
Incumbent LECs						
Bell Operating Companies	73.6%	72.9%	72.4%	73.1%	71.5%	69.6%
Other Incumbent LECs	26.1%	26.7%	26.8%	25.9%	26.3%	26.9%
Total	99.7%	99.6%	99.3%	99.0%	97.7%	96.5%
Local Service Competitors						
CAPs & CLECs	0.2%	0.3%	0.7%	1.0%	1.6%	2.4%
Local Resellers, Shared Tenant, Private Carriers & Other Local	n.a.	n.a.	n.a.	n.a.	0.2%	0.3%
All other carriers	0.1%	0.0%	0.1%	0.1%	0.4%	0.8%
Total	0.3%	0.4%	0.7%	1.0%	2.3%	3.5%

* Some previously published data have been revised.

** For 1993 through 1996, for most categories of carriers, local service revenues include revenues from the following TRS reporting categories: local exchange, local private line, other local services, interstate access services and intrastate access services. The amounts shown do not include mobile or toll service revenue. Access revenues, however were excluded from the all other carrier category because these primarily consisted of mis-reported toll. Pay telephone and operator service revenues were included for pay telephone providers because much of such revenue is reported as local service revenue starting in 1997. 1998 revenue for carriers that file TRS worksheets but not universal service worksheets was estimated using 1998 TRS worksheets. These worksheets contain carrier revenue data for calendar 1997.

*** Incumbent LEC local service revenues for 1996 and prior years include significant amounts of yellow pages, billing and collection and other revenues that were reported as other local service revenue. If these revenues were included in 1997, incumbent LECs would show significant revenue growth from 1996 to 1997. Inside wire maintenance was included in local service revenue in 1997 but not 1998.

**** Toll carriers typically provide resold special access services as part of toll service operations. These revenues are classified as local service revenue. In 1998, toll carriers reported about $1.2 billion of PICC pass-through charges as tariffed subscriber line charge and end user PICC revenue rather than as toll revenue. Thus, it is more appropriate to compare toll carrier local exchange revenue with total local service revenues of other carriers. Total local service revenue for the carriers is shown below:

	1993	1994	1995	1996	1997	1998
All local service revenue reported by wireless and toll carriers with local exchange service revenue	$243.0	$211.8	$296.7	$291.3	$1,274.0	$3,418.3

Source: Data filed on TRS and Universal Service worksheets. See *Telecommunications Industry Revenue,* October 1998.

Table 2.2
Total Telecommunications Revenue *
(Dollar Amounts Shown in Millions)

	TRS Data **					TRS & USF Data	
	1992	1993	1994	1995	1996	1997	1998
Total Telecommunications Revenues including local, mobile & toll service							
Incumbent LECs **	$91,584	$95,228	$98,431	$102,820	$107,905	$105,154	$108,234
CAPs & CLECs	69	191	274	637	1,012	1,919	3,348
Local Resellers, Shared Tenant, Private Carriers & Other Local	n.a.	n.a.	n.a.	n.a.	n.a.	562	686
All other carriers reporting any local service revenue	n.a.	n.a.	n.a.	n.a.	n.a.	74,421	76,025
Carriers not included above (Carriers that do not report any local service revenues)	n.a.	n.a.	n.a.	n.a.	n.a.	49,113	58,099
Industry Total	153,409	165,342	174,890	190,076	211,782	231,168	246,392
Ratio of Incumbent LEC total telecommunications revenues to the total telecommunications revenues of:							
CAPs & CLECs	1336 : 1	498 : 1	359 : 1	161 : 1	107 : 1	55 : 1	32 : 1
Local Resellers, Shared Tenant, Private Carriers & Other Local						187 : 1	158 : 1
Share of industry total telecommunications revenues							
Incumbent LECs **	59.7%	57.6%	56.3%	54.1%	51.0%	45.5%	43.9%
CAPs & CLECs	0.0%	0.1%	0.2%	0.3%	0.5%	0.8%	1.4%
Local Resellers, Shared Tenant, Private Carriers & Other Local						0.2%	0.3%

* Some previously published data have been revised.

** Incumbent LEC local service revenues for 1996 and prior years include significant amounts of yellow pages, billing and collection and other revenues that were reported as other local service revenue. If these revenues were included in 1997, incumbent LECs would show significant revenue growth from 1996 to 1997. Inside wire maintenance was included in local service revenue in 1997 but not 1998. 1998 revenues for carriers that file TRS worksheets but not universal service worksheets were estimated using 1998 TRS worksheets. These worksheets contain carrier revenue data for calendar 1997.

Source: Data filed on TRS and Universal Service worksheets. See *Telecommunications Industry Revenue,* October 1998.

Telecommunications Service Providers that filed a Universal Service Worksheet	**Table 2.3** **Revenue for Services Provided to Other Carriers for Resale** **Reported by Carriers that Contribute to Universal Service Support Mechanisms ****								
	Revenue by Service Category for 1998 (Amounts shown in millions)							Percentage of Industry Revenue	
FCC 457 Line #	ILECs	Local Competitors	Payphone	Wireless telephony	Other Wireless	Toll	Total	ILECs	Local Competitors
Fixed local service:									
Monthly service, local calling, connection charges, vertical features, inside wiring maintenance, and other local exchange service:									
22 a Provided as unbundled network elements	$58.0	$72.0		$0.3		$14.0	$144.3	40.2 %	49.9 %
22 b Provided under tariffs or arrangements other than unbundled network elements	2,415.4	73.6		1.7		2.9	2,493.6	96.9	3.0
Per minute charges for originating or terminating calls									
23 a Provided as unbundled network elements or other contract arrangement	174.8	249.6	*	18.3		70.1	512.8	34.1	48.7
23 b Provided under state or federal access tariff	17,707.0	114.2		7.7	0.2	107.2	17,936.2	98.7	0.6
Total per minute access charges	17,881.8	363.8	*	26.0	0.2	177.3	18,449.0	96.9	2.0
24 Local private line & special access	5,087.2	715.3	0.8	2.1		49.3	5,854.8	86.9	12.2
25 Pay telephone compensation from toll carriers	275.0	9.5	137.2	1.2		3.0	425.9	64.6	2.2
26 Other local telecommunications service revenues	301.3	112.5		3.9		15.2	432.8	69.6	26.0
27 Universal service support receipts	1,394.3	4.7				7.1	1,406.1	99.2	0.3
Total fixed local service provided for resale	27,413.0	1,351.4	138.1	35.1	0.2	268.7	29,206.5	93.9	4.6
Mobile service:									
28 Wireless telephony, paging messaging, and other mobile service monthly, activation, and message charges except toll	186.5	0.9		2,263.5	564.4	29.4	3,044.6	6.1	0.0
Total mobile service provided for resale	186.5	0.9		2,263.5	564.4	29.4	3,044.6	6.1	0.0
Toll service:									
29 Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.)	20.1	0.2	17.7	27.2	0.2	305.1	370.5	5.4	0.1
30 Other switched toll service (includes MTS, 800/888 service, etc.)	235.5	104.0		293.5	21.3	8,406.0	9,060.3	2.6	1.1
31 Long distance private line services	36.6	50.2		1.2		1,893.5	1,981.5	1.8	2.5
32 Satellite services	0.1	2.2				39.5	41.9	0.2	5.3
33 All other long distance services	60.0	23.9		26.3		1,687.3	1,797.5	3.3	1.3
Total toll service provided for resale	352.2	180.5	17.7	348.2	21.5	12,331.5	13,251.6	2.7	1.4
Total service provided for resale (Carrier's Carrier)	27,951.8	1,532.8	155.8	2,646.8	586.0	12,629.5	45,502.7	61.4	3.4

Note: Figures may not add due to rounding.

* Denotes figures greater than $0 but less than $50,000.

** Carriers file Universal Service Worksheets if their contribution to universal service support mechanisms, based on the amount of end user revenue that they provide, would exceed $10,000. Carriers do not contribute based on revenues from services provided for resale. Many carriers do not have sufficient end user revenues to meet this threshold and are classified as de minimis. Services provided to de minimis or other non-reporting carriers, however, must be classified as end user revenues even if the services will be resold.

Telecommunications Service Providers that filed a Universal Service Worksheet		**Table 2.4** **Revenue for Services Provided to End Users** **Reported by Carriers that Contribute to Universal Service Support Mechanisms ****								
		Revenue by Service Category for 1998 (Amounts shown in millions)							Percentage of Industry Revenue	
FCC 457 Line #		ILECs	Local Competitors	Payphone	Wireless telephony	Other Wireless	Toll	Total	ILECs	Local Competitors
	Fixed local service:									
34	Monthly service, local calling, connection charges, vertical features, inside wiring maintenance, and other local exchange service charges except for tariffed subscriber line charges	$53,630.5	$783.1	*	$33.3	$0.1	$754.2	$55,201.2	97.2 %	1.4 %
35	Tariffed subscriber line charges	9,779.0	69.9		0.2	*	1,203.2	11,052.3	88.5	0.6
	Local exchange service (line 34 + line 35)	63,409.4	852.9	*	33.5	0.2	1,957.4	66,253.5	95.7	1.3
36	Local private line and special access service	4,108.5	367.2		1.6	*	70.9	4,548.2	90.3	8.1
37	Pay telephone coin revenues	1,310.8	35.4	749.9	*		13.8	2,109.9	62.1	1.7
38	Other local telecommunications service revenues	1,595.7	102.3	1.3	0.6	1.7	44.8	1,746.5	91.4	5.9
	Total fixed local service	70,424.4	1,357.9	751.2	35.7	1.9	2,087.0	74,658.1	94.3	1.8
	Mobile service:									
39	Monthly and activation charges	131.1	24.7		14,060.8	2,455.3	404.0	17,076.0	0.8	0.1
40	Message charges including roaming but excluding toll charges	110.9	12.4		14,978.9	660.9	356.3	16,119.4	0.7	0.1
	Total Mobile Service	242.0	37.1		29,039.7	3,116.3	760.3	33,195.3	0.7	0.1
	Toll service:									
41	Pre-paid calling card (including card sales to customers and to retail establishments)	17.1	0.9	*	11.5	0.2	1,244.9	1,274.5	1.3	0.1
42	International calls that both originate and terminate in foreign points	*	0.2		1.6	2.5	1,116.1	1,120.5	0.0	0.0
43	Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.) other than revenue reported on line 42	346.4	39.0	132.9	8.4	5.0	8,907.9	9,439.6	3.7	0.4
44	Other switched toll service (includes MTS, 800/888 service, etc.)	7,229.3	883.9		876.1	51.2	56,067.3	65,107.8	11.1	1.4
45	Long distance private line services	1,342.8	67.7		13.3		8,547.0	9,970.9	13.5	0.7
46	Satellite services	0.1	26.4			1.3	128.8	156.6	0.1	16.9
47	All other long distance services	108.4	24.3		74.4	0.2	1,183.0	1,390.3	7.8	1.7
	Total toll service (excluding Line 42 calls that both originate and terminate in foreign points)	9,044.1	1,042.1	133.0	983.7	57.9	76,079.0	87,339.6	10.4	1.2
48	Charges on end user bills identified as recovering state or federal universal service contributions	51.3	14.3	0.1	291.3	46.7	1,854.8	2,258.5	2.3	0.6
49	**Total end user revenue (excluding Line 42)**	79,761.8	2,451.3	884.3	30,350.3	3,222.8	80,781.1	197,451.6	40.4	1.2
	Total service provided for resale	27,951.8	1,532.8	155.8	2,646.8	586.0	12,629.5	45,502.7	61.4	3.4
	Total end user revenue (including Line 42)	79,761.8	2,451.6	884.3	30,352.0	3,225.3	81,897.2	198,572.1	40.2	1.2
	Total telecommunications revenue	107,713.6	3,984.4	1,040.1	32,998.8	3,811.3	94,526.7	244,074.8	44.1	1.6
50	Enhanced services, billing and collection, customer premises equipment, published directory and non-telecommunications service revenue	10,609.4	517.7	51.4	4,243.7	1,457.1	11,064.7	27,944.0	38.0	1.9
51	Gross billed revenue from all sources	118,322.9	4,502.1	1,091.5	37,242.5	5,268.4	105,591.4	272,018.8	43.5	1.7

Note: Figures may not add due to rounding.

* Denotes figures greater than $0 but less than $50,000.

** Carriers file Universal Service Worksheets if their contribution to universal service support mechanisms, based on the amount of end user revenue that they provide, would exceed $10,000. Carriers do not contribute based on revenues from services provided for resale. Many carriers do not have sufficient end user revenues to meet this threshold and are classified as de minimis. Services provided to de minimis or other non-reporting carriers, however, must be classified as end user revenues even if the services will be resold.

Table 2.5
Telecommunications Revenue: All Carriers

FCC 457 Line #	Revenue by Service Category for 1998 (Amounts shown in millions)							Percentage of Industry Revenue	
	ILECs	Local Competitors	Payphone	Wireless telephony	Other Wireless	Toll	Total	ILECs	Local Competitors
Universal Service Worksheet Data: **									
Per minute access	$17,881.8	$363.8	*	$26.0	$0.2	$177.3	$18,449.1	96.9 %	2.0 %
Other local service revenue	80,000.9	2,353.5	889.4	45.2	1.9	2,227.4	85,522.3	93.5	2.8
Local service revenue	97,882.7	2,717.3	889.4	71.2	2.0	2,404.7	103,971.3	94.1	2.6
Mobile service revenue	428.7	38.2		31,584.5	3,726.5	807.5	36,585.2	1.2	0.1
Toll service revenue	9,402.1	1,228.9	150.7	1,343.1	82.8	91,314.5	103,518.3	9.1	1.2
Total telecommunications revenue included on Universal Service Worksheets	107,713.6	3,984.4	1,040.1	32,998.8	3,811.3	94,526.7	244,074.8	44.1	1.6
TRS Worksheet Data: ***									
Revenues reported by service providers that filed TRS Worksheets but not Universal Service Worksheets:									
Per minute access	349.8	16.0	0.0	0.0	0.0	21.1	386.9	90.4	4.1
Other local service revenue	143.5	33.2	4.1	6.3	0.9	20.5	208.5	68.8	15.9
Local service revenue	493.3	49.2	4.1	6.3	0.9	41.7	595.4	82.9	8.3
Mobile service revenue	0.5	0.0	0.3	131.6	57.0	0.0	189.4	0.3	0.0
Toll service revenue	26.6	0.8	56.3	2.6	23.1	1,423.1	1,532.4	1.7	0.1
Total telecommunications revenue not included on Universal Service Worksheets	520.4	50.0	60.6	140.4	81.0	1,464.8	2,317.2	22.5	2.2
USF and TRS worksheet data combined: **									
Per minute access	18,231.6	379.8	0.0	26.0	0.2	198.4	18,836.0	96.8	2.0
Other local service revenue	80,144.4	2,386.7	893.5	51.5	2.8	2,247.9	85,730.8	93.5	2.8
Local service revenue	98,376.0	2,766.5	893.5	77.5	2.9	2,446.4	104,566.7	94.1	2.6
Mobile service revenue	429.2	38.2	0.3	31,716.1	3,783.5	807.5	36,774.6	1.2	0.1
Toll service revenue	9,428.7	1,229.7	207.0	1,345.7	105.9	92,737.6	105,050.7	9.0	1.2
Total Telecommunications Revenue	108,234.0	4,034.4	1,100.7	33,139.2	3,892.3	95,991.5	246,392.0	43.9	1.6
Percentage of revenue by line of business									
Per minute access	16.8%	9.4%	0.0%	0.1%	0.0%	0.2%	7.6%		
Other local service revenue	74.0%	59.2%	81.2%	0.2%	0.1%	2.3%	34.8%		
Local service revenue	90.9%	68.6%	81.2%	0.2%	0.1%	2.5%	42.4%		
Mobile service revenue	0.4%	0.9%	0.0%	95.7%	97.2%	0.8%	14.9%		
Toll service revenue	8.7%	30.5%	18.8%	4.1%	2.7%	96.6%	42.6%		

Note: Figures may not add due to rounding.

* Denotes figures greater than $0 but less than $50,000.

** Carriers file Universal Service Worksheets if their contribution to universal service support mechanisms, based on the amount of end user revenue that they provide, would exceed $10,000. Carriers do not contribute based on revenues from services provided for resale. Many carriers do not have sufficient end user revenues to meet this threshold and are classified as de minimis. Services provided to de minimis or other non-reporting carriers, however, must be classified as end user revenues even if the services will be resold.

*** 1998 revenue for carriers that file TRS worksheets but not universal service worksheets was estimated using 1998 TRS worksheets. These worksheets contain carrier revenue data for calendar 1997.

III. NEW ENTRANT USE OF INCUMBENT SERVICES AND FACILITIES: NATIONWIDE, BY STATE, AND BY COMPANY

This section presents *nationwide*, *state-by-state*, and *company-specific* views of the evolution of local competition as indicated by the extent to which local competitors are making use of certain ILEC services and facilities: ILEC services provided to competing carriers for resale to consumers; ILEC local unbundled network element loops; and space in ILEC switching centers (collocation). The information summarized in this section comes from voluntary local competition survey responses of large ILECs, which provide information for all states except Alaska. Because it is considerably less comprehensive at this time, information from the responses of CLEC participants in the voluntary survey is not summarized here. Readers interested in the evolution of the voluntary survey should refer to Section III of our *Local Competition* report, released in December 1998.[20]

Table 3.1 summarizes information about ILEC voice grade lines[21] provided to CLECs for resale to end-users. At the end of 1998, about 1.7% of nationwide ILEC switched voice grade lines were being provided to CLECs on a total service resale basis -- the discount resale mechanism mandated by the 1996 Act.[22] Another 0.2% of nationwide ILEC lines were being provided to competitors under resale arrangements other than TSR, which were not mandated by the 1996 Act. No survey information about resold lines was submitted for Alaska, but ILECs reported providing resold lines to competitors in all other states at the end of 1998.

The total number of ILEC resold lines increased throughout 1998, despite earlier announcements that AT&T and MCI intended to reduce their use of resold lines.[23] On a company-wide basis, only

---

[20] Alternatively, the four iterations of the survey, developed as ILEC and CLEC volunteers and Commission staff gained experience with it, may be viewed at <http://www.fcc.gov/ccb/local_competition>. The fourth survey (requesting data as of 12/31/98) includes, for the first time, questions about deployment of broadband services. (At its January 28, 1999 Open Meeting, the Commission adopted a report on "advanced telecommunications capability" -- broadband telecommunications services, such as high-speed Internet access -- as Congress directed in section 706(b) of the Telecommunications Act of 1996. In that report, the Commission undertook to issue annual reports detailing the status of broadband deployment. *See Inquiry Concerning the Deployment of Advanced Telecommunications Capability to All Americans in a Reasonable and Timely Fashion, and Possible Steps to Accelerate Such Deployment Pursuant to Section 706 of the Telecommunications Act of 1996*, CC Docket No. 98-146, *Report* FCC 99-5 (rel. Feb. 2, 1999).)

[21] Telephone lines terminating at most homes, and at many offices, are "voice grade" circuits. These are analog circuits having 3 to 4 kHz of bandwidth, the digital equivalent of which is a 64 kbps circuit. In this report, voice grade lines include such ordinary telephone lines, Centrex lines, and basic rate ISDN lines. (Each basic rate ISDN line has been counted as two voice grade circuits.)

[22] The obligation of incumbent telephone companies to make their services available to competing local carriers under total service resale (TSR) arrangements is set out in section 251(c)(4) of the Telecommunications Act of 1934, 47 U.S.C. § 251(c)(4), and standards for setting TSR prices are set out in section 252(c)(3) of the Act, 47 U.S.C. § 252(c)(3).

[23] *See*, for example, AT&T's SEC Form 10-K (filed Mar. 27, 1998) (in fourth quarter 1997, AT&T stopped actively marketing resold local service to residential and small business customers in most areas in which it offered such service; service was offered to residential customers in Alaska, California, Connecticut, Georgia, Illinois, Michigan, Texas, and Rochester, New York, and to small business customers in California and Connecticut).

Ameritech reported fewer resold lines at the end of 1998 than at mid-year.[24] USN Communications, a CLEC active in all Ameritech states, as well as in several Bell Atlantic states, participated in our survey. USN reported using 50,000 fewer ILEC lines in the Ameritech states on December 31 than on June 30, including 23,000 fewer lines in Illinois and 20,000 fewer lines in Michigan.[25] Presumably AT&T, which offered but had stopped actively marketing resold local service in Illinois and Michigan, and also MCI contributed to the observed decline in Ameritech resold lines in the second half of 1998.

The company-specific summaries at the end of Table 3.1 indicate that non-TSR resale can be a significant factor in CLEC competition, but appears to be so only in areas served by U S WEST and, to a lesser extent, Ameritech. The three states (Iowa, South Dakota, and North Dakota) with the highest resale percentages -- and, indeed, the highest percentages of combined CLEC use of resold ILEC services and UNE loops -- achieve those rankings because of high reported percentages of non-TSR resale. The market entry strategy of McLeodUSA, in particular, has relied on resold U S WEST Centrex service, although the company is now increasing its reliance on owned facilities.[26]

Table 3.2 summarizes information about the types of customers served by the lines that ILECs provide to competitors on a TSR basis. ILECs report that about 40% of such lines served CLEC residential, rather than business or government, customers on a nationwide basis at the end of 1998. There is considerable state-by-state variation, however, and also variation by company.[27] We do not have comprehensive survey information about the percent of *total* CLEC lines that serve residential customers -- information that necessarily would come directly from CLECs. We cannot determine, therefore, whether changes over time in the percent of nationwide TSR lines serving residential customers, as summarized in Table 3.2, mirror changes in the distribution of total CLEC lines between residential and other customers.

---

[24] The number of resold lines reported for GTE's ILEC operations increased in the third quarter of 1998 and declined in the fourth quarter, but showed an overall increase for the second half of the year. A substantial portion of these lines appears to be provided to GTE's CLEC operations. For example, voluntary survey data as of Sept. 30, 1998 show GTE's combined CLEC operations using almost 75,000 ILEC lines, at which date GTE's reporting ILEC operations were providing 112,000 resold lines to CLECs. *See also*, GTE Annual Report 1998, at 4 (GTE's CLEC offers bundles of services in key GTE markets, including California, Florida, and Washington; will expand beyond GTE's current markets in 1999).

[25] USN Communications entered voluntary bankruptcy proceedings in early 1999. It's CLEC assets were acquired by CoreComm Limited on June 1, 1999.

[26] *See*, for example, McLeodUSA , Incorporated, *SEC Form 10-Q* (Nov. 16, 1998) at Part II. Item 1. Legal Proceedings (company typically purchases access to local switches in the form of a product generally known as "Centrex"); "McLeodUSA Reports Record Results for Fourth Quarter and 1998," Jan. 27, 1999 (focus will include continued migration of local service customers "on-switch" in 1999 and 2000).

[27] Lines reported by U S WEST as of June 30, 1998 include resold Centrex lines, along with TSR lines. Because "centrex" is an ILEC service marketed to non-residential customers, reporting both types of resale together most likely causes an understatement of the percentage of CLEC *residential* customers served by resold lines. U S WEST's reported data for Iowa, for example, indicate that nearly all resold lines are connected to non-residential CLEC customers. But McLeodUSA, a major reseller of U S WEST Centrex service in Iowa, reports that residential lines were a significant share -- 31%, as of June 30, 1998 -- of its total CLEC lines in service in the ten Midwest and Rocky Mountain states in which it operates. *See* "McLeodUSA Reports Continued Growth in Revenues and EBITDA for Second Quarter 1998" (July 29, 1998).

Table 3.3 summarizes data on the number of ILEC lines leased to CLECs as UNE loops. A comparison of total UNE loops reported by ILECs (Table 3.3) with the sum of total TSR plus total other resale lines they reported (Table 3.1) indicates that, on a nationwide basis, resold ILEC lines outnumbered UNE loops by a factor of approximately 8 to 1 at the end of 1998. The reported number of UNE loops almost tripled over the course of the year, but remained small as a percent of total ILEC switched lines -- 0.2% at the end of 1998. The company-specific percentages at the end of Table 3.3 vary around the nationwide average, but also are small numbers. The number of survey states in which no UNE loops were reported has dropped to four: Idaho, South Dakota, West Virginia, and Wyoming. No information was submitted for Alaska.

Table 3.4 indicates that, as of the end of 1998, CLECs were reported to have operational collocation arrangements in switching centers serving almost half of ILEC customer lines, on a nationwide basis -- up from about 30% at the end of 1997. By type of customer, these switching centers were reported to serve about 40% of ILEC voice grade lines connected to residential customers and about 60% of ILEC voice grade lines connected to business and government customers. The company-specific summaries at the end of the table consistently show lower collocation percentages for residential lines than for other lines, and GTE and Sprint, the two non-Bell companies, have the lowest collocation percentages for total lines.[28]

The voluntary surveys do not provide comprehensive information about the number of customer lines that CLECs provide solely over their own facilities. This is the missing piece of information that is required -- along with the available information on CLEC resale of ILEC services and use of UNE loops -- to determine the total number of CLEC customer lines. Investment analyst estimates of total CLEC switched lines vary, meanwhile, in the general range of 2% to 3% of nationwide switched access lines.[29]

---

[28] The departure from trend of GTE and U S WEST collocation percentages as of June 30, 1998 suggests that the companies may have interpreted survey directions differently when completing that survey, or found that particular survey form to be confusing.

[29] *See*, for example, D.P. Reingold, M. Kastan, and S. Cross, *CLEC Vital Signs: Update For 4Q98 Results and Trends*, Telecom/Services--Local, Merrill Lynch & Co., 11 Mar. 1999 at Table 8.

Table 3.1
Lines Provided by Large ILECs to CLECs for Resale

STATE	TOTAL STATE LINES (1997 USF Loops in thousands) +	COMPANY	AS OF DECEMBER 31, 1998 TOTAL SWITCHED LINES (thousands)	TOTAL SERVICE RESALE (thousands)	PERCENT TSR	OTHER RESALE # (thousands)	PERCENT OTHER	AS OF SEPTEMBER 30, 1998 TOTAL SWITCHED LINES (thousands)	TOTAL SERVICE RESALE (thousands)	PERCENT TSR	OTHER RESALE #	PERCENT OTHER	AS OF JUNE 30, 1998 TOTAL SWITCHED LINES (thousands)	TOTAL SERVICE RESALE ## (thousands)	PERCENT TSR	AS OF DECEMBER 31, 1997 TOTAL SWITCHED LINES (thousands)	TOTAL SERVICE RESALE ## (thousands)	PERCENT TSR
ALABAMA	2,405	*BellSouth*	1,947	39	2.0 %	n.a.	n.a. %	1,892	34	1.8 %	n.a.	n.a. %	1,881	25	1.3 %	*	15	* %
ALASKA	398																	
ARIZONA	2,732	*U S WEST*	2,720	11	0.4	5	0.2	2,619	6	0.2	5	0.2	2,615	4	0.2	*	1	*
ARKANSAS	1,369	*SBC*	974	18	1.9	0	0.0	967	17	1.8	0	0.0	958	15	1.5	*	8	*
CALIFORNIA	21,483	*GTE*	4,551	40	0.9	0	0.0	4,498	51	1.1	0	0.0	4,443	39	0.9	4,394	26	0.6
		SBC	18,110	261	1.4	0	0.0	17,646	252	1.4	0	0.0	17,792 &	251	1.4	*	252	*
COLORADO	2,644	*U S WEST*	2,650	29	1.1	1	***	2,556	22	0.8	1	***	2,583	16	0.6	2,554	8	0.3
CONNECTICUT	2,152	*SBC (SNET)*	2,148	36	1.7	11	0.5	2,133	34	1.6	15	0.7	2,137	31	1.5	2,120	28	1.3
DELAWARE	532	*Bell Atlantic*	569	10	1.8	n.a.	n.a.	565	10	1.8	n.a.	n.a.	557	7	1.3	*	*	*
DIST. OF COLUMBIA	920	*Bell Atlantic*	945	11	1.2	n.a.	n.a.	946	11	1.1	n.a.	n.a.	935	7	0.7	*	3	*
FLORIDA	10,491	*BellSouth*	6,487	112	1.7	n.a.	n.a.	6,376	103	1.6	n.a.	n.a.	6,297	95	1.5	6,231	67	1.1
		GTE	2,297	32	1.4	0	0.0	2,264	37	1.6	0	0.0	2,240	28	1.3	2,232	12	0.5
		Sprint	2,032	19	0.9	0	0.0	1,994	15	0.8	n.a.	n.a.	1,983	15	0.8	1,931	9	0.4
GEORGIA	4,770	*BellSouth*	4,143	105	2.5	n.a.	n.a.	4,089	99	2.4	n.a.	n.a.	4,028	89	2.2	4,003	62	1.5
HAWAII	708	*GTE*	717	**	***	0	0.0	703	**	***	0	0.0	712	**	***	711	**	***
IDAHO	681	*U S WEST*	525	**	***	**	0.1	500	**	***	**	***	470	**	***	493	**	***
ILLINOIS	7,981	*Ameritech*	7,078	196	2.8	15	0.2	7,022	205	2.9	16	0.2	7,313 &	221	3.0	6,851	172	2.5
		GTE	914	1	0.1	0	0.0	901	1	0.1	0	0.0	895	**	***	882	0	0.0
INDIANA	3,471	*Ameritech*	2,225	16	0.7	1	0.1	2,207	12	0.5	1	0.1	2,236 &	8	0.4	2,167	**	***
		GTE	959	2	0.2	0	0.0	930	1	0.1	0	0.0	932	**	***	922	0	0.0
		Sprint	241	0	0.0	0	0.0	240	0	0.0	n.a.	n.a.	240	0	0.0	234	0	0.0
IOWA	1,589	*U S WEST*	1,077	8	0.8	108	10.1	1,057	3	0.3	84	8.0	1,060	99	9.3	1,049	82	7.8
KANSAS	1,585	*SBC*	1,374	76	5.5	0	0.0	1,365	62	4.5	0	0.0	1,348	50	3.7	*	29	*
		Sprint	140	1	0.4	0	0.0	*	*	*	n.a.	n.a.	140	**	0.4	*	*	*
KENTUCKY	2,064	*BellSouth*	1,207	31	2.6	n.a.	n.a.	1,193	28	2.3	n.a.	n.a.	1,184	20	1.7	*	8	*
		GTE	543	2	0.4	0	0.0	528	1	0.2	0	0.0	531	1	0.2	524	**	0.1
LOUISIANA	2,435	*BellSouth*	2,418	82	3.4	n.a.	n.a.	2,336	61	2.6	n.a.	n.a.	2,303	44	1.9	2,256	16	0.7
MAINE	808	*Bell Atlantic*	688	5	0.7	n.a.	n.a.	678	1	0.2	n.a.	n.a.	677	2	0.3	681	**	***
MARYLAND	3,494	*Bell Atlantic*	3,704	27	0.7	n.a.	n.a.	3,677	22	0.6	n.a.	n.a.	3,638	11	0.3	*	2	*
MASSACHUSETTS	4,464	*Bell Atlantic*	4,622	130	2.8	n.a.	n.a.	4,434	96	2.2	n.a.	n.a.	4,396	85	1.9	4,517	41	0.9

Table 3.1
Lines Provided by Large ILECs to CLECs for Resale

STATE	TOTAL STATE LINES (1997 USF Loops in thousands) +	COMPANY	AS OF DECEMBER 31, 1998 TOTAL SWITCHED LINES (thousands)	TOTAL SERVICE RESALE (thousands)	PERCENT TSR	OTHER RESALE # (thousands)	PERCENT OTHER	AS OF SEPTEMBER 30, 1998 TOTAL SWITCHED LINES (thousands)	TOTAL SERVICE RESALE (thousands)	PERCENT TSR	OTHER RESALE #	PERCENT OTHER	AS OF JUNE 30, 1998 TOTAL SWITCHED LINES (thousands)	TOTAL SERVICE RESALE ## (thousands)	PERCENT TSR	AS OF DECEMBER 31, 1997 TOTAL SWITCHED LINES (thousands)	TOTAL SERVICE RESALE ## (thousands)	PERCENT TSR
MICHIGAN	6,258	*Ameritech*	5,439	119	2.2 %	11	0.2 %	5,403	137	2.5 %	11	0.2 %	5,608 &	168	3.0 %	5,341	151	2.8 %
		GTE	753	0	0.0	0	0.0	744	0	0.0	0	0.0	739	0	0.0	725	0	0.0
MINNESOTA	2,878	*Frontier*						*	*	*	0	0.0						
		Sprint	156	**	***	0	0.0	155	0	0.0	n.a.	n.a.	153	0	0.0	148	0	0.0
		U S WEST	2,284	65	2.8	26	1.2	2,199	51	2.3	22	1.0	2,202	55	2.5	2,199	30	1.4
MISSISSIPPI	1,321	*BellSouth*	1,296	44	3.4	n.a.	n.a.	1,252	32	2.6	n.a.	n.a.	1,248	27	2.2	*	13	*
MISSOURI	3,324	*SBC*	2,563	38	1.5	0	0.0	2,543	30	1.2	0	0.0	2,527	23	0.9	*	5	*
		Sprint	256	**	***	0	0.0	*	*	*	n.a.	n.a.	*	*	*	246	0	0.0
MONTANA	508	*U S WEST*	363	1	0.4	**	0.1	355	1	0.2	**	***	356	1	0.1	355	**	0.1
NEBRASKA	995	*U S WEST*	533	4	0.8	**	0.1	523	2	0.4	**	***	533	1	0.2	*	*	*
NEVADA	1,207	*SBC*	354	3	1.0	0	0.0	331	2	0.6	0	0.0	340	2	0.5	*	3	*
		Sprint	879	8	0.9	0	0.0	*	6	*	n.a.	n.a.	*	*	*	*	5	*
NEW HAMPSHIRE	818	*Bell Atlantic*	795	20	2.5	n.a.	n.a.	792	7	0.9	n.a.	n.a.	771	9	1.1	*	*	*
NEW JERSEY	6,201	*Bell Atlantic*	6,356	57	0.9	n.a.	n.a.	6,293	40	0.6	n.a.	n.a.	6,239	27	0.4	*	6	*
		Sprint	211	2	0.8	0	0.0	*	*	*	n.a.	n.a.	*	*	*	197	0	0.0
NEW MEXICO	901	*U S WEST*	794	**	***	1	0.1	775	**	***	**	***	778	**	***	*	**	*
NEW YORK	12,715	*Bell Atlantic*	11,917	248	2.1	n.a.	n.a.	11,595	244	2.1	n.a.	n.a.	11,573	199	1.7	*	121	*
		Frontier						*	*	*	0	0.0				540	105	19.4
NORTH CAROLINA	4,695	*BellSouth*	2,452	36	1.5	n.a.	n.a.	2,413	30	1.2	n.a.	n.a.	2,368	24	1.0	2,322	8	0.3
		GTE	343	1	0.4	0	0.0	330	1	0.2	0	0.0	334	1	0.2	333	**	0.1
		Sprint	1,420	15	1.1	0	0.0	1,407	11	0.8	n.a.	n.a.	1,399	7	0.5	*	*	*
NORTH DAKOTA	402	*U S WEST*	251	3	1.4	11	4.5	248	3	1.0	9	3.8	248	10	3.9	253	2	0.9
OHIO	6,729	*Ameritech*	4,118	77	1.9	26	0.6	4,090	83	2.0	28	0.7	4,211 &	107	2.5	4,020	59	1.5
		GTE	881	**	***	0	0.0	860	**	***	0	0.0	860	**	***	846	0	0.0
		Sprint	616	**	0.1	0	0.0	*	*	*	n.a.	n.a.	*	*	*	594	0	0.0
OKLAHOMA	1,954	*SBC*	1,650	40	2.4	0	0.0	1,644	34	2.1	0	0.0	1,631	21	1.3	*	9	*
OREGON	2,022	*GTE*	476	**	0.1	0	0.0	466	**	***	0	0.0	463	**	***	462	0	0.0
		U S WEST	1,372	7	0.5	47	3.5	1,337	5	0.4	44	3.3	1,346	45	3.4	1,353	37	2.8
PENNSYLVANIA	7,951	*Bell Atlantic*	6,469	82	1.3	n.a.	n.a.	6,432	91	1.4	n.a.	n.a.	6,358	71	1.1	*	30	*
		Frontier						*	*	*	0	0.0						
		GTE	653	1	0.1	0	0.0	640	**	***	0	0.0	642	**	***	635	0	0.0
		Sprint	385	1	0.1	0	0.0	*	*	*	n.a.	n.a.	376	**	0.1	*	*	*
RHODE ISLAND	653	*Bell Atlantic*	663	7	1.1	n.a.	n.a.	653	3	0.4	n.a.	n.a.	650	4	0.6	*	*	*

Table 3.1
Lines Provided by Large ILECs to CLECs for Resale

STATE	TOTAL STATE LINES (1997 USF Loops in thousands) +	COMPANY	AS OF DECEMBER 31, 1998 TOTAL SWITCHED LINES (thousands)	TOTAL SERVICE RESALE (thousands)	PERCENT TSR	OTHER RESALE # (thousands)	PERCENT OTHER	AS OF SEPTEMBER 30, 1998 TOTAL SWITCHED LINES (thousands)	TOTAL SERVICE RESALE (thousands)	PERCENT TSR	OTHER RESALE #	PERCENT OTHER	AS OF JUNE 30, 1998 TOTAL SWITCHED LINES (thousands)	TOTAL SERVICE RESALE ## (thousands)	PERCENT TSR	AS OF DECEMBER 31, 1997 TOTAL SWITCHED LINES (thousands)	TOTAL SERVICE RESALE ## (thousands)	PERCENT TSR
SOUTH CAROLINA	2,147	*BellSouth*	1,471	58	3.9 %	n.a.	n.a. %	1,448	50	3.4 %	n.a.	n.a. %	1,416	29	2.1 %	1,399	13	0.9 %
		Sprint	99	1	1.3	0	0.0	99	1	1.0	n.a.	n.a.	99	1	0.9	*	*	*
SOUTH DAKOTA	406	*U S WEST*	276	10	3.7	8	3.1	272	7	2.6	6	2.3	271	12	4.3	268	4	1.4
TENNESSEE	3,271	*BellSouth*	2,684	36	1.3	n.a.	n.a.	2,641	26	1.0	n.a.	n.a.	2,622	23	0.9	2,614	14	0.6
		Sprint	255	2	0.7	0	0.0	252	1	0.5	n.a.	n.a.	251	1	0.3	*	*	*
TEXAS	12,006	*GTE*	1,968	19	1.0	0	0.0	1,933	19	1.0	0	0.0	1,893	13	0.7	1,861	10	0.6
		SBC	9,604	349	3.6	0	0.0	9,545	316	3.3	0	0.0	9,435	283	3.0	*	215	*
		Sprint	369	6	1.5	0	0.0	366	5	1.3	n.a.	n.a.	370	4	1.1	356	2	0.6
UTAH	1,100	*U S WEST*	1,093	2	0.2	5	0.4	1,063	1	0.1	4	0.4	1,069	6	0.5	*	5	*
VERMONT	394	*Bell Atlantic*	342	2	0.7	n.a.	n.a.	339	1	0.3	n.a.	n.a.	333	1	0.2	335	0	0.0
VIRGINIA	4,381	*Bell Atlantic*	3,528	18	0.5	n.a.	n.a.	3,494	17	0.5	n.a.	n.a.	3,452	9	0.3	*	4	*
		GTE	591	0	0.0	0	0.0	581	0	0.0	0	0.0	574	**	***	563	**	***
		Sprint	401	1	0.2	0	0.0	*	**	*	n.a.	n.a.	*	**	*	385	0	0.0
WASHINGTON	3,500	*GTE*	861	1	0.1	0	0.0	842	1	0.1	0	0.0	833	**	***	829	**	***
		Sprint	85	0	0.0	0	0.0	84	0	0.0	n.a.	n.a.	84	0	0.0	82	0	0.0
		U S WEST	2,515	5	0.2	39	1.6	2,457	4	0.1	41	1.7	2,470	46	1.9	2,401	32	1.3
WEST VIRGINIA	959	*Bell Atlantic*	831	**	***	n.a.	n.a.	828	0	0.0	n.a.	n.a.	820	0	0.0	803	0	0.0
WISCONSIN	3,296	*Ameritech*	2,195	42	1.9	1	***	2,259	37	1.7	5	0.2	2,296 &	49	2.1	2,211	14	0.6
		GTE	501	0	0.0	0	0.0	494	**	***	0	0.0	490	**	***	480	**	***
WYOMING	284	*U S WEST*	242	2	0.8	6	2.4	238	2	0.8	3	1.2	241	1	0.5	*	*	*
Total lines publicly reported +	172,452		164,614	2,738	1.7 %	324	0.2 %	159,030	2,478	1.6 %	296	0.2 %	159,500	2,443	n.m.	77,504	1,741	n.m.
Lines withheld to maintain confidentiality	0		0	0	n.m.	0	n.m.	3,552	115	n.m.	0	n.m.	2,310	5	n.m.	81,504	3	n.m.
Total lines +	172,452		164,614	2,738	1.7 %	324	0.2 %	162,581	2,593	1.6 %	296	0.2 %	161,810	2,448	1.5 %	159,008	1,743	1.1 %

HOLDING COMPANY SUMMARY	Ameritech	21,054	450	2.1 %	54	0.3 %	20,981	474	2.3 %	61	0.3 %	21,665	552	2.5 %	20,589	396	1.9 %
(for states reported above)	Bell Atlantic	41,429	619	1.5	n.a.	n.a.	40,727	544	1.3	n.a.	n.a.	40,401	432	1.1	39,402	210	0.5
	BellSouth	24,104	543	2.3	n.a.	n.a.	23,640	462	2.0	n.a.	n.a.	23,347	376	1.6	23,154	216	0.9
	GTE	17,008	100	0.6	0	0.0	16,714	112	0.7	0	0.0	16,582	83	0.5	16,398	49	0.3
	SBC	36,778	823	2.2	11	***	36,173	747	2.1	15	***	36,168	676	1.9	35,612	550	1.5
	Sprint	7,545	54	0.7	0	0.0	7,451	42	0.6	n.a.	n.a.	7,406	33	0.4	7,182	17	0.2
	U S WEST	16,695	149	0.9	259	1.6	16,198	106	0.7	220	1.4	16,242	296	1.8	16,130	202	1.3

Notes for Table 3.1 follow Table 3.4.

Table 3.2
CLEC Residential and Other Customers Served by ILEC Total Service Resale (TSR) Lines

STATE	COMPANY	SWITCHED LINES AS OF 12/31/98 (thousands)	AS OF DECEMBER 31, 1998					AS OF SEPTEMBER 30, 1998					AS OF JUNE 30, 1998				
			TSR LINES (thousands)			PERCENT		TSR LINES (thousands)			PERCENT		TSR LINES @ (thousands)			PERCENT	
			RES.	OTHER	TOTAL	RES.	OTHER	RES.	OTHER	TOTAL	RES.	OTHER	RES.	OTHER	TOTAL	RES.	OTHER
ALABAMA	*BellSouth*	1,947	19	19	39	50 %	50 %	17	17	34	50 %	50 %	15	10	25	61 %	39 %
ALASKA																	
ARIZONA	*U S WEST*	2,720	8	3	11	75	48	4	1	6	80	20	2	2	4	57	43
ARKANSAS	*SBC*	974	15	3	18	83	17	14	2	17	86	14	13	1	15	91	9
CALIFORNIA	*GTE*	4,551	29	11	40	72	28	40	12	51	77	23	37	3	39	93	7
	SBC	18,110	126	134	261	48	52	122	130	252	48	52	128	123	251	51	49
COLORADO	*U S WEST*	2,650	4	25	29	13	87	3	19	22	12	88	2	14	16	13	87
CONNECTICUT	*SBC (SNET)*	2,148	20	17	36	54	59	20	14	34	60	40	21	10	31	67	33
DELAWARE	*Bell Atlantic*	569	8	3	10	75	25	8	2	10	78	22	6	1	7	80	20
DIST. OF COLUMBIA	*Bell Atlantic*	945	2	9	11	19	81	3	8	11	26	74	1	5	7	20	80
FLORIDA	*BellSouth*	6,487	40	72	112	36	64	38	64	103	37	63	38	57	95	40	60
	GTE	2,297	19	14	32	58	42	23	14	37	62	38	16	12	28	58	42
	Sprint	2,032	8	11	19	40	60	6	9	15	42	58	6	9	15	42	58
GEORGIA	*BellSouth*	4,143	63	42	105	60	40	58	40	99	59	41	58	31	89	65	35
HAWAII	*GTE*	717	**	**	**	81	19	**	**	**	46	54	**	**	**	50	50
IDAHO	*U S WEST*	525	**	**	**	65	79	**	**	**	83	17	**	**	**	90	10
ILLINOIS	*Ameritech*	7,078	84	112	196	43	57	87	118	205	43	57	88	112	201	44	56
	GTE	914	0	1	1	0	100	**	1	1	5	95	**	**	**	5	95
INDIANA	*Ameritech*	2,225	5	11	16	30	70	3	9	12	22	78	1	4	5	18	82
	GTE	959	**	2	2	19	81	**	1	1	18	82	**	**	**	67	33
	Sprint	241	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOWA	*U S WEST*	1,077	1	7	8	13	99	**	3	3	3	97	**	99	99	0	100
KANSAS	*SBC*	1,374	32	44	76	42	58	27	35	62	43	57	23	27	50	46	54
	Sprint	140	1	**	1	100	0	*	*	*	*	*	**	**	**	98	2
KENTUCKY	*BellSouth*	1,207	13	19	31	40	60	12	16	28	43	57	8	12	20	42	58
	GTE	543	**	2	2	23	77	**	1	1	23	77	**	1	1	9	91
LOUISIANA	*BellSouth*	2,418	53	29	82	65	35	35	26	61	58	42	29	15	44	67	33

Table 3.2
CLEC Residential and Other Customers Served by ILEC Total Service Resale (TSR) Lines

STATE	COMPANY	SWITCHED LINES AS OF 12/31/98 (thousands)	AS OF DECEMBER 31, 1998					AS OF SEPTEMBER 30, 1998					AS OF JUNE 30, 1998				
			TSR LINES (thousands)			PERCENT		TSR LINES (thousands)			PERCENT		TSR LINES @ (thousands)			PERCENT	
			RES.	OTHER	TOTAL	RES.	OTHER	RES.	OTHER	TOTAL	RES.	OTHER	RES.	OTHER	TOTAL	RES.	OTHER
MAINE	*Bell Atlantic*	688	**	5	5	1 %	99 %	**	1	1	2 %	98 %	**	2	2	1 %	99 %
MARYLAND	*Bell Atlantic*	3,704	14	13	27	53	47	11	10	22	52	48	4	7	11	40	60
MASSACHUSETTS	*Bell Atlantic*	4,622	21	109	130	16	84	4	92	96	4	96	10	75	85	12	88
MICHIGAN	*Ameritech*	5,439	79	39	119	67	33	94	43	137	68	32	112	42	155	73	27
	GTE	753	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MINNESOTA	*Frontier*							*	*	*	*	*					
	Sprint	156	0	**	**	0	100	0	0	0	0	0	0	0	0	0	0
	U S WEST	2,284	12	53	65	18	87	8	43	51	16	84	3	52	55	6	94
MISSISSIPPI	*BellSouth*	1,296	37	7	44	83	17	27	6	32	83	17	23	4	27	86	14
MISSOURI	*SBC*	2,563	19	19	38	50	50	16	14	30	54	46	14	9	23	62	38
	Sprint	256	**	**	**	98	2	*	*	*	*	*	*	*	*	*	*
MONTANA	*U S WEST*	363	1	**	1	65	46	**	**	1	52	48	**	**	1	36	64
NEBRASKA	*U S WEST*	533	2	3	4	51	53	1	2	2	24	76	**	1	1	1	99
NEVADA	*SBC*	354	1	3	3	16	84	**	2	2	16	84	**	1	2	19	81
	Sprint	879	2	6	8	30	70	2	4	6	37	63	*	*	*	*	*
NEW HAMPSHIRE	*Bell Atlantic*	795	1	19	20	5	95	**	7	7	3	97	**	8	9	3	97
NEW JERSEY	*Bell Atlantic*	6,356	29	28	57	51	49	23	18	40	56	44	16	11	27	60	40
	Sprint	211	2	**	2	100	0	*	*	*	*	*	*	*	*	*	*
NEW MEXICO	*U S WEST*	794	**	**	**	2	100	**	**	**	3	97	**	**	**	2	98
NEW YORK	*Bell Atlantic*	11,917	59	189	248	24	76	54	190	244	22	78	33	166	199	16	84
	Frontier							*	*	*	*	*					
NORTH CAROLINA	*BellSouth*	2,452	11	25	36	30	70	9	21	30	29	71	6	18	24	24	76
	GTE	343	**	1	1	1	99	**	1	1	11	89	**	**	1	12	88
	Sprint	1,420	7	8	15	47	53	6	6	11	48	52	4	3	7	54	46
NORTH DAKOTA	*U S WEST*	251	**	3	3	11	98	**	2	3	8	92	**	10	10	1	99
OHIO	*Ameritech*	4,118	6	71	77	7	93	6	77	83	7	93	1	75	76	2	98
	GTE	881	0	**	**	0	100	0	**	**	0	100	**	**	**	17	83
	Sprint	616	**	**	**	18	82	*	*	*	*	*	*	*	*	*	*
OKLAHOMA	*SBC*	1,650	28	12	40	69	31	25	9	34	74	26	17	4	21	80	20

Table 3.2
CLEC Residential and Other Customers Served by ILEC Total Service Resale (TSR) Lines

STATE	COMPANY	SWITCHED LINES AS OF 12/31/98 (thousands)	AS OF DECEMBER 31, 1998					AS OF SEPTEMBER 30, 1998					AS OF JUNE 30, 1998				
			TSR LINES (thousands)			PERCENT		TSR LINES (thousands)			PERCENT		TSR LINES @ (thousands)			PERCENT	
			RES.	OTHER	TOTAL	RES.	OTHER	RES.	OTHER	TOTAL	RES.	OTHER	RES.	OTHER	TOTAL	RES.	OTHER
OREGON	*GTE*	476	**	**	**	83 %	17 %	**	**	**	93 %	7 %	**	**	**	57 %	43 %
	U S WEST	1,372	4	3	7	58	93	3	2	5	62	38	2	44	45	4	96
PENNSYLVANIA	*Bell Atlantic*	6,469	28	54	82	35	65	34	57	91	38	62	30	41	71	43	57
	Frontier							*	*	*	*	*					
	GTE	653	**	**	1	48	52	**	**	**	73	27	**	**	**	25	75
	Sprint	385	**	**	1	46	54	*	*	*	*	*	**	**	**	76	24
RHODE ISLAND	*Bell Atlantic*	663	1	7	7	10	90	**	3	3	2	98	**	4	4	1	99
SOUTH CAROLINA	*BellSouth*	1,471	34	24	58	59	41	30	19	50	61	39	16	13	29	54	46
	Sprint	99	1	**	1	100	0	1	**	1	100	0	1	**	1	100	0
SOUTH DAKOTA	*U S WEST*	276	2	8	10	20	89	**	7	7	2	98	**	12	12	0	100
TENNESSEE	*BellSouth*	2,684	26	10	36	73	27	18	8	26	69	31	17	6	23	74	26
	Sprint	255	1	1	2	42	58	1	1	1	38	62	**	1	1	18	82
TEXAS	*GTE*	1,968	15	5	19	76	24	17	2	19	87	13	12	1	13	94	6
	SBC	9,604	203	146	349	58	42	197	119	316	62	38	195	88	283	69	31
	Sprint	369	4	2	6	72	28	4	1	5	78	22	3	1	4	85	15
UTAH	*U S WEST*	1,093	1	1	2	56	84	1	1	1	60	40	1	5	6	15	85
VERMONT	*Bell Atlantic*	342	**	2	2	0	100	**	1	1	0	100	**	1	1	0	100
VIRGINIA	*Bell Atlantic*	3,528	4	15	18	20	80	3	14	17	20	80	2	7	9	25	75
	GTE	591	0	0	0	0	0	0	0	0	0	0	**	**	**	37	63
	Sprint	401	**	1	1	1	99	**	**	**	1	99	**	**	**	6	94
WASHINGTON	*GTE*	861	1	**	1	78	22	1	**	1	87	13	**	**	**	58	42
	Sprint	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	U S WEST	2,515	2	3	5	35	96	1	2	4	38	62	1	45	46	2	98
WEST VIRGINIA	*Bell Atlantic*	831	**	**	**	16	84	0	0	0	0	0	0	0	0	0	0
WISCONSIN	*Ameritech*	2,195	6	36	42	13	86	4	33	37	12	88	3	26	30	11	89
	GTE	501	0	0	0	0	0	**	**	**	50	50	**	**	**	92	8
WYOMING	*U S WEST*	242	1	1	2	29	92	**	2	2	7	93	0	1	1	0	100

Table 3.2
CLEC Residential and Other Customers Served by ILEC Total Service Resale (TSR) Lines

STATE	COMPANY	SWITCHED LINES AS OF 12/31/98 (thousands)	AS OF DECEMBER 31, 1998					AS OF SEPTEMBER 30, 1998					AS OF JUNE 30, 1998				
			TSR LINES (thousands)			PERCENT		TSR LINES (thousands)			PERCENT		TSR LINES @ (thousands)			PERCENT	
			RES.	OTHER	TOTAL	RES.	OTHER	RES.	OTHER	TOTAL	RES.	OTHER	RES.	OTHER	TOTAL	RES.	OTHER
Total lines publicly reported +		164,614	1,215	1,523	3,190	40 %	60 %	1,123	1,362	2,484	45 %	55 %	1,025	1,333	2,357	43 %	57 %
Lines withheld to maintain confidentiality		0	0	0	0	n.a.	n.a.	11	97	108	10 %	90 %	2	3	5	38 %	62 %
Total lines +		164,614	1,215	1,523	3,190	40 %	60 %	1,134	1,459	2,593	44 %	56 %	1,027	1,336	2,363	43 %	57 %
HOLDING COMPANY SUMMARY	Ameritech		179	270	450	40 %	60 %	193	281	474	41 %	59 %	206	260	467	44 %	56 %
(for states reported above)	Bell Atlantic		167	452	619	27	73	141	403	544	26	74	104	328	432	24	76
	BellSouth		296	247	543	55	45	244	217	462	53	47	211	166	376	56	44
	GTE		64	36	100	64	36	81	31	112	72	28	66	17	83	80	20
	SBC		444	379	823	54	46	422	325	747	57	43	411	265	676	61	39
	Sprint		26	29	54	47	53	21	21	42	49	51	17	16	33	51	49
	U S WEST @		38	111	149	26	74	22	83	106	21	79	12	284	296	4	96

Notes for Table 3.2 follow Table 3.4.

Table 3.3
Lines Provided by Large ILECs to CLECs as UNE Loops

STATE	TOTAL STATE LINES (1997 USF Loops in thousands) +	COMPANY	AS OF DECEMBER 31, 1998			AS OF SEPTEMBER 30, 1998			AS OF JUNE 30, 1998			AS OF DECEMBER 31, 1997		
			TOTAL SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE	TOTAL SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE	TOTAL SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE	TOTAL SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE
ALABAMA	2,405	*BellSouth*	1,947	2	0.1 %	1,892	1	0.1 %	1,881	1	*** %	*	*	* %
ALASKA	398													
ARIZONA	2,732	*U S WEST*	2,720	1	0.1	2,619	1	0.1	2,615	1	***	*	*	*
ARKANSAS	1,369	*SBC*	974	3	0.2	967	2	0.2	958	**	***	*	*	*
CALIFORNIA	21,483	*GTE*	4,551	6	***	4,498	2	***	4,443	1	***	4,394	**	***
		SBC	18,110	47	0.2	17,646	34	0.2	17,792 &	n.m. &	n.m. &	*	*	*
COLORADO	2,644	*U S WEST*	2,650	**	***	2,556	**	***	2,583	**	***	2,554	0	0.0
CONNECTICUT	2,152	*SNET*	2,148	3	0.1	2,133	3	0.1	2,137	3	0.1	2,120	2	0.1
DELAWARE	532	*Bell Atlantic*	569	3	0.3	565	2	0.3	557	1	0.1	*	*	*
DIST. OF COLUMBIA	920	*Bell Atlantic*	945	1	***	946	**	***	935	**	***	*	*	*
FLORIDA	10,491	*BellSouth*	6,487	4	***	6,376	3	***	6,297	3	***	6,231	2	***
		GTE	2,297	**	0.0	2,264	0	0.0	2,240	0	0.0	2,232	**	***
		Sprint	2,032	**	0.0	1,994	0	0.0	1,983	0	0.0	1,931	0	0.0
GEORGIA	4,770	*BellSouth*	4,143	9	0.1	4,089	5	0.1	4,028	2	***	4,003	1	***
HAWAII	708	*GTE*	717	**	0.0	703	0	0.0	712	0	0.0	711	**	***
IDAHO	681	*U S WEST*	525	0	0.0	500	0	0.0	470	0	0.0	493	0	0.0
ILLINOIS	7,981	*Ameritech*	7,078	20	0.2	7,022	16	0.2	7,313 &	14	0.2	6,851	13	0.2
		GTE	914	0	0.0	901	0	0.0	895	0	0.0	882	0	0.0
INDIANA	3,471	*Ameritech*	2,225	**	***	2,207	**	***	2,236 &	0	0.0	2,167	0	0.0
		GTE	959	0	0.0	930	0	0.0	932	0	0.0	922	0	0.0
		Sprint	241	0	0.0	240	0	0.0	240	0	0.0	234	0	0.0
IOWA	1,589	*U S WEST*	1,077	**	0.0	1,057	0	0.0	1,060	0	0.0	1,049	0	0.0
KANSAS	1,585	*SBC*	1,374	**	***	1,365	**	***	1,348	**	***	*	*	*
		Sprint	140	0	0.0	*	0	0.0	140	0	0.0	*	0	0.0
KENTUCKY	2,064	*BellSouth*	1,207	1	***	1,193	1	***	1,184	**	***	*	*	*
		GTE	543	**	***	528	**	***	531	0	0.0	524	0	0.0
LOUISIANA	2,435	*BellSouth*	2,418	1	***	2,336	1	***	2,303	**	***	2,256	0	0.0

Table 3.3
Lines Provided by Large ILECs to CLECs as UNE Loops

STATE	TOTAL STATE LINES (1997 USF Loops in thousands) +	COMPANY	AS OF DECEMBER 31, 1998			AS OF SEPTEMBER 30, 1998			AS OF JUNE 30, 1998			AS OF DECEMBER 31, 1997		
			TOTAL SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE	TOTAL SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE	TOTAL SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE	TOTAL SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE
MAINE	808	*Bell Atlantic*	688	**	*** %	678	**	*** %	677	**	*** %	681	0	0.0 %
MARYLAND	3,494	*Bell Atlantic*	3,704	2	0.1	3,677	2	0.1	3,638	2	0.1	*	*	*
MASSACHUSETTS	4,464	*Bell Atlantic*	4,622	3	0.1	4,434	3	0.1	4,396	3	0.1	4,517	2	***
MICHIGAN	6,258	*Ameritech*	5,439	48	0.8	5,403	43	0.8	5,608 &	38	0.7	5,341	25	0.5
		GTE	753	0	0.0	744	0	0.0	739	0	0.0	725	0	0.0
MINNESOTA	2,878	*Frontier*				*	0	0.0						
		Sprint	156	0	0.0	155	0	0.0	153	0	0.0	148	0	0.0
		U S WEST	2,284	2	***	2,199	1	***	2,202	**	***	2,199	0	0.0
MISSISSIPPI	1,321	*BellSouth*	1,296	2	0.1	1,252	1	0.1	1,248	1	0.1	*	*	*
MISSOURI	3,324	*SBC*	2,563	2	0.1	2,543	2	0.1	2,527	2	0.1	*	*	*
		Sprint	256	0	0.0	*	0	0.0	*	0	0.0	246	0	0.0
MONTANA	508	*U S WEST*	363	**	***	355	0	0.0	356	0	0.0	355	0	0.0
NEBRASKA	995	*U S WEST*	533	**	***	523	**	***	533	0	0.0	*	0	0.0
NEVADA	1,207	*SBC*	354	4	1.2	331	4	1.2	340	4	1.1	*	*	*
		Sprint	879	29	3.3	*	*	*	*	*	*	*	*	*
NEW HAMPSHIRE	818	*Bell Atlantic*	795	**	***	792	**	***	771	**	***	*	0	0.0
NEW JERSEY	6,201	*Bell Atlantic*	6,356	1	***	6,293	**	***	6,239	**	***	*	*	*
		Sprint	211	0	0.0	*	0	0.0	*	0	0.0	197	0	0.0
NEW MEXICO	901	*U S WEST*	794	2	0.3	775	2	0.3	778	2	0.2	*	*	*
NEW YORK	12,715	*Bell Atlantic*	11,917	49	0.2	11,595	44	0.2	11,573	31	0.3	*	*	*
		Frontier				*	0	0.0				540	0	0.0
NORTH CAROLINA	4,695	*BellSouth*	2,452	2	***	2,413	1	***	2,368	0	0.0	2,322	0	0.0
		GTE	343	**	***	330	0	0.0	334	0	0.0	333	**	***
		Sprint	1,420	0	0.0	1,407	0	0.0	1,399	0	0.0	*	0	0.0
NORTH DAKOTA	402	*U S WEST*	251	**	***	248	0	0.0	248	0	0.0	253	0	0.0
OHIO	6,729	*Ameritech*	4,118	24	0.5	4,090	19	0.5	4,211 &	16	0.4	4,020	7	0.2
		GTE	881	0	0.0	860	0	0.0	860	0	0.0	846	0	0.0
		Sprint	616	0	0.0	*	0	0.0	*	0	0.0	594	0	0.0
OKLAHOMA	1,954	*SBC*	1,650	2	0.1	1,644	2	0.1	1,631	1	0.1	*	*	*

Table 3.3
Lines Provided by Large ILECs to CLECs as UNE Loops

STATE	TOTAL STATE LINES (1997 USF Loops in thousands) +	COMPANY	AS OF DECEMBER 31, 1998			AS OF SEPTEMBER 30, 1998			AS OF JUNE 30, 1998			AS OF DECEMBER 31, 1997		
			TOTAL SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE	TOTAL SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE	TOTAL SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE	TOTAL SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE
OREGON	2,022	*GTE*	476	1	0.0 %	466	0	0.0 %	463	0	0.0 %	462	**	*** %
		U S WEST	1,372	**	***	1,337	**	***	1,346	**	***	1,353	0	0.0
PENNSYLVANIA	7,951	*Bell Atlantic*	6,469	30	0.4	6,432	26	0.4	6,358	20	0.3	*	*	*
		Frontier				*	0	0.0						
		GTE	653	**	***	640	**	***	642	**	***	635	0	0.0
		Sprint	385	0	0.0	*	0	0.0	376	0	0.0	*	0	0.0
RHODE ISLAND	653	*Bell Atlantic*	663	1	0.3	653	2	0.3	650	2	0.3	*	*	*
SOUTH CAROLINA	2,147	*BellSouth*	1,471	1	***	1,448	**	***	1,416	**	***	1,399	0	0.0
		Sprint	99	0	0.0	99	0	0.0	99	0	0.0	*	0	0.0
SOUTH DAKOTA	406	*U S WEST*	276	0	0.0	272	0	0.0	271	0	0.0	268	0	0.0
TENNESSEE	3,271	*BellSouth*	2,684	21	0.6	2,641	17	0.6	2,622	13	0.5	2,614	5	0.2
		Sprint	255	0	0.0	252	0	0.0	251	0	0.0	*	0	0.0
TEXAS	12,006	*GTE*	1,968	16	0.6	1,933	12	0.6	1,893	8	0.4	1,861	7	0.4
		SBC	9,604	7	***	9,545	3	***	9,435	**	***	*	*	*
		Sprint	369	0	0.0	366	0	0.0	370	0	0.0	356	0	0.0
UTAH	1,100	*U S WEST*	1,093	1	0.1	1,063	1	0.1	1,069	**	***	*	*	*
VERMONT	394	*Bell Atlantic*	342	**	***	339	0	0.0	333	0	0.0	335	0	0.0
VIRGINIA	4,381	*Bell Atlantic*	3,528	1	***	3,494	1	***	3,452	1	***	*	*	*
		GTE	591	0	0.0	581	0	0.0	574	0	0.0	563	0	0.0
		Sprint	401	1	0.1	*	*	*	*	*	*	385	0	0.0
WASHINGTON	3,500	*GTE*	861	0	0.0	842	0	0.0	833	0	0.0	829	0	0.0
		Sprint	85	0	0.0	84	0	0.0	84	0	0.0	82	0	0.0
		U S WEST	2,515	**	***	2,457	**	***	2,470	**	***	2,401	*	*
WEST VIRGINIA	959	*Bell Atlantic*	831	0	0.0	828	0	0.0	820	0	0.0	803	0	0.0
WISCONSIN	3,296	*Ameritech*	2,195	7	0.1	2,259	3	0.1	2,296 &	1	***	2,211	**	***
		GTE	501	**	0.1	494	**	0.1	490	**	0.1	480	**	***
WYOMING	284	*U S WEST*	242	0	0.0	238	0	0.0	241	0	0.0	*	0	0.0

Table 3.3
Lines Provided by Large ILECs to CLECs as UNE Loops

STATE	TOTAL STATE LINES (1997 USF Loops in thousands) +	COMPANY	AS OF DECEMBER 31, 1998			AS OF SEPTEMBER 30, 1998			AS OF JUNE 30, 1998			AS OF DECEMBER 31, 1997		
			TOTAL SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE	TOTAL SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE	TOTAL SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE	TOTAL SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE
Total lines publicly reported	172,452		164,614	361	0.2 %	159,030	258	n.m.	159,500	224	n.m.	77,504	65	n.m.
Lines withheld to maintain confidentiality	0		0	0	n.m.	3,552	24	n.m.	2,310	20	n.m.	81,504	68	n.m.
Total lines	172,452		164,614	361	0.2 %	162,581	282	0.2 %	161,810	244	0.2 %	159,008	133	0.1 %
HOLDING COMPANY SUMMARY		Ameritech	21,054	100	0.5 %	20,981	80	0.4 %	21,665	69	0.3 %	20,589	45	0.2 %
(for states reported above)		Bell Atlantic	41,429	91	0.2	40,727	81	0.2	40,401	61	0.1	39,402	38	0.1
		BellSouth	24,104	41	0.2	23,640	29	0.1	23,347	20	0.1	23,154	9	***
		GTE	17,008	23	0.1	16,714	14	0.1	16,582	9	0.1	16,398	7	***
		SBC	36,778	67	0.2	36,173	49	0.1	36,168 &	n.m. &	n.m. &	35,612	21	0.1
		Sprint	7,545	30	0.4	7,451	*	*	7,406	*	*	7,182	11	0.2
		U S WEST	16,695	8	***	16,198	5	***	16,242	3	***	16,130	1	***

Notes for Table 3.3 follow Table 3.4.

Table 3.4
Percent of ILEC Lines Served by Switching Centers
Where New Entrants Have Collocation Arrangements

STATE	TOTAL STATE LINES (1997 USF Loops in thousands) +	COMPANY	AS OF DECEMBER 31, 1998			AS OF SEPTEMBER 30, 1998			AS OF JUNE 30, 1998			AS OF DECEMBER 31, 1997		
			RESIDENTIAL LINES	OTHER LINES	TOTAL LINES	RESIDENTIAL LINES	OTHER LINES	TOTAL LINES	RESIDENTIAL LINES	OTHER LINES	TOTAL LINES	RESIDENTIAL LINES	OTHER LINES	TOTAL LINES
ALABAMA	2,405	*BellSouth*	30.4 %	45.1 %	34.7 %	28.2 %	43.0 %	32.3 %	12.4 %	24.1 %	15.7 %	12.3 %	25.5 %	16.1 %
ALASKA	398													
ARIZONA	2,732	*U S WEST*	53.3	75.1	59.6	51.3	72.1	57.1	17.0	30.7	20.9	48.5	68.6	54.4
ARKANSAS	1,369	*SBC*	12.0	20.8	14.7	9.6	18.6	12.4	9.6	19.0	12.5	9.6	20.7	12.9
CALIFORNIA	21,483	*GTE*	49.8	55.7	51.8	41.6	52.3	45.0	21.3	30.7	24.4	16.1	26.3	20.3
		SBC	74.0	82.3	77.3	59.4	71.6	64.1	46.8	63.7	53.5	32.5	48.5	37.3
COLORADO	2,644	*U S WEST*	55.6	66.3	59.0	55.8	65.5	58.7	6.0	15.0	8.8	25.1	41.9	30.6
CONNECTICUT	2,152	*SNET*	17.4	32.6	22.8	17.6	33.3	23.5						
DELAWARE	532	*Bell Atlantic*	80.0	91.9	84.3	66.6	83.0	72.6	66.6	83.0	72.6	63.1	81.6	69.9
DIST. OF COLUMBIA	920	*Bell Atlantic*	57.6	85.1	76.4	8.1	68.4	49.3	8.1	69.0	49.6	8.2	70.1	49.9
FLORIDA	10,491	*BellSouth*	34.7	50.8	39.7	28.8	44.8	33.7	26.1	41.6	30.8	24.6	42.5	30.0
		GTE	14.5	38.8	21.4	3.0	19.0	7.3	5.7	24.7	11.0	13.5	44.0	26.9
		Sprint	21.2	47.2	29.0	21.6	33.1	25.0	18.7	39.4	24.9	11.2	18.5	13.3
GEORGIA	4,770	*BellSouth*	43.1	57.8	48.3	39.7	55.5	45.3	26.0	43.8	32.3	19.5	43.1	27.9
HAWAII	708	*GTE*	24.4	44.6	31.4	23.6	36.9	28.1	23.2	45.2	31.2	21.2	43.5	31.3
IDAHO	681	*U S WEST*	26.9	36.5	29.6	27.6	37.3	30.3	24.9	37.1	28.4	23.0	37.1	26.9
ILLINOIS	7,981	*Ameritech*	70.6	83.2	75.7	58.0	73.2	64.2	49.1	66.3	56.4	41.2	58.3	48.2
		GTE	4.7	7.6	5.5	13.4	31.6	17.9	3.0	4.7	3.5	4.8	16.2	8.7
INDIANA	3,471	*Ameritech*	41.1	57.0	46.8	41.2	57.1	46.8	20.4	36.7	26.4	20.4	36.7	26.4
		GTE	17.2	27.2	20.0	9.1	18.9	11.7	0.0	0.0	0.0	0.0	0.0	0.0
		Sprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IOWA	1,589	*U S WEST*	43.4	56.9	47.6	43.4	55.9	47.2	3.3	7.5	4.6	19.0	28.9	22.1
KANSAS	1,585	*SBC*	22.6	29.5	24.9	22.7	29.5	24.9	14.0	19.9	15.9	13.9	21.3	16.2
		Sprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KENTUCKY	2,064	*BellSouth*	20.9	34.0	24.6	20.9	34.9	24.8	21.0	35.2	24.9	21.0	37.3	25.5
		GTE	6.0	20.8	10.0	8.7	13.8	10.0	6.0	22.8	10.7	6.1	33.9	16.4
LOUISIANA	2,435	*BellSouth*	26.3	40.3	30.6	10.7	28.8	16.0	5.0	20.1	9.4	3.5	15.9	7.1

Table 3.4
Percent of ILEC Lines Served by Switching Centers
Where New Entrants Have Collocation Arrangements

STATE	TOTAL STATE LINES (1997 USF Loops in thousands) +	COMPANY	AS OF DECEMBER 31, 1998			AS OF SEPTEMBER 30, 1998			AS OF JUNE 30, 1998			AS OF DECEMBER 31, 1997		
			RESIDENTIAL LINES	OTHER LINES	TOTAL LINES	RESIDENTIAL LINES	OTHER LINES	TOTAL LINES	RESIDENTIAL LINES	OTHER LINES	TOTAL LINES	RESIDENTIAL LINES	OTHER LINES	TOTAL LINES
MAINE	808	*Bell Atlantic*	9.1 %	18.3 %	11.7 %	9.2 %	18.7 %	11.8 %	9.2 %	18.9 %	11.8 %	5.2 %	11.9 %	7.1 %
MARYLAND	3,494	*Bell Atlantic*	33.1	49.1	38.9	21.1	37.9	27.2	20.8	35.9	26.3	18.6	35.9	24.8
MASSACHUSETTS	4,464	*Bell Atlantic*	49.2	61.3	53.7	28.7	49.1	35.8	26.6	44.9	32.9	25.3	47.4	33.4
MICHIGAN	6,258	*Ameritech*	49.4	63.1	54.4	47.8	61.6	52.7	44.2	59.6	49.8	43.1	60.9	49.6
		GTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MINNESOTA	2,878	*Frontier*				*	*	*						
		Sprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		U S WEST	41.7	64.1	49.4	39.8	61.4	46.9	28.6	51.4	36.2	27.8	51.9	36.0
MISSISSIPPI	1,321	*BellSouth*	19.2	30.7	22.7	19.2	33.7	23.3	13.7	26.0	17.2	10.2	21.4	13.4
MISSOURI	3,324	*SBC*	27.9	49.7	35.0	27.9	50.0	35.1	13.7	31.7	19.6	14.1	34.8	20.5
		Sprint	0.0	0.0	0.0	0.0	0.0	0.0	*	*	*	0.0	0.0	0.0
MONTANA	508	*U S WEST*	18.0	26.1	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEBRASKA	995	*U S WEST*	42.6	61.3	48.4	37.4	57.0	43.2	23.3	47.1	30.6	32.3	53.4	38.8
NEVADA	1,207	*SBC*	37.7	57.3	44.9	4.9	3.0	4.3	38.2	58.2	45.6	38.4	55.1	42.4
		Sprint	99.2	98.8	99.0	99.6	100.0	99.7	*	*	*	99.1	99.5	99.2
NEW HAMPSHIRE	818	*Bell Atlantic*	35.1	52.0	40.7	35.4	52.2	41.1	35.3	56.0	41.9	31.8	49.2	37.6
NEW JERSEY	6,201	*Bell Atlantic*	31.3	44.7	36.1	23.5	36.0	28.0	18.9	31.4	23.4	17.2	29.6	21.6
		Sprint	0.0	0.0	0.0	0.0	0.0	0.0	*	*	*	0.0	0.0	0.0
NEW MEXICO	901	*U S WEST*	32.0	42.1	34.7	32.1	41.5	34.6	29.2	41.2	32.4	29.5	42.9	33.2
NEW YORK	12,715	*Bell Atlantic*	55.9	67.4	60.1	45.0	63.0	51.4	18.7	48.6	29.5	18.7	48.2	28.4
		Frontier				*	*	*				*	*	*
NORTH CAROLINA	4,695	*BellSouth*	41.5	61.0	48.3	38.9	59.2	45.9	35.8	57.7	43.2	23.3	44.2	30.4
		GTE	11.3	36.1	19.5	24.7	30.8	26.6	11.3	39.1	20.7	7.3	25.2	18.0
		Sprint	2.6	6.9	3.8	2.7	6.8	3.8	2.7	6.7	3.7	4.6	7.5	5.4
NORTH DAKOTA	402	*U S WEST*	49.1	55.4	51.0	49.1	55.9	51.1	0.0	0.0	0.0	0.0	0.0	0.0
OHIO	6,729	*Ameritech*	49.8	65.9	54.9	41.9	58.9	47.4	41.9	59.8	48.1	40.0	65.4	48.6
		GTE	1.6	3.5	2.0	2.3	1.8	2.2	0.0	0.0	0.0	1.5	4.8	2.6
		Sprint	3.3	4.5	3.6	3.2	4.5	3.5	*	*	*	0.0	0.0	0.0
OKLAHOMA	1,954	*SBC*	31.1	41.7	34.4	29.3	39.8	32.6	25.4	41.1	30.3	21.7	37.9	26.6

Table 3.4
Percent of ILEC Lines Served by Switching Centers Where New Entrants Have Collocation Arrangements

STATE	TOTAL STATE LINES (1997 USF Loops in thousands) +	COMPANY	AS OF DECEMBER 31, 1998			AS OF SEPTEMBER 30, 1998			AS OF JUNE 30, 1998			AS OF DECEMBER 31, 1997		
			RESIDENTIAL LINES	OTHER LINES	TOTAL LINES	RESIDENTIAL LINES	OTHER LINES	TOTAL LINES	RESIDENTIAL LINES	OTHER LINES	TOTAL LINES	RESIDENTIAL LINES	OTHER LINES	TOTAL LINES
OREGON	2,022	*GTE*	28.3 %	33.4 %	29.8 %	2.5 %	1.9 %	2.3 %	0.0 %	0.0 %	0.0 %	9.1 %	23.4 %	15.3 %
		U S WEST	37.4	55.4	43.1	37.5	55.2	42.9	17.3	34.8	22.9	25.4	42.6	30.9
PENNSYLVANIA	7,951	*Bell Atlantic*	44.2	63.1	50.9	39.2	59.1	46.2	39.0	59.1	46.1	39.3	59.4	46.4
		Frontier				*	*	*						
		GTE	5.8	12.3	7.5	4.9	4.9	4.9	5.7	13.2	7.7	13.0	22.0	16.1
		Sprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RHODE ISLAND	653	*Bell Atlantic*	44.1	52.7	46.9	44.7	54.2	47.5	44.6	51.9	46.7	31.8	47.0	36.7
SOUTH CAROLINA	2,147	*BellSouth*	13.1	29.2	18.1	13.2	29.6	18.2	13.2	30.4	18.3	11.0	27.6	15.9
		Sprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOUTH DAKOTA	406	*U S WEST*	21.2	26.5	22.9	21.1	25.5	22.6	0.0	0.0	0.0	21.3	26.2	22.9
TENNESSEE	3,271	*BellSouth*	41.6	57.5	46.2	38.5	56.2	43.5	36.1	54.1	41.2	32.6	52.6	38.3
		Sprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TEXAS	12,006	*GTE*	13.1	26.3	17.2	13.6	32.9	19.4	11.3	26.0	15.9	11.5	29.4	19.2
		SBC	40.1	58.3	46.5	27.8	44.6	33.8	22.2	41.8	29.2	11.2	30.8	18.1
		Sprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UTAH	1,100	*U S WEST*	45.5	66.6	52.1	45.7	66.5	52.1	31.8	48.5	37.1	52.7	70.2	58.3
VERMONT	394	*Bell Atlantic*	26.2	38.8	30.3	26.0	38.8	30.0	26.1	39.7	30.4	25.1	39.2	29.7
VIRGINIA	4,381	*Bell Atlantic*	37.0	54.8	43.8	20.9	33.0	25.6	18.0	30.6	22.8	17.9	30.5	22.7
		GTE	4.1	8.3	5.2	6.1	9.9	7.1	4.0	8.7	5.2	4.1	10.0	6.4
		Sprint	14.3	22.0	16.4	12.3	19.6	14.2	*	*	*	12.2	20.0	14.2
WASHINGTON	3,500	*GTE*	21.3	30.2	23.8	4.8	8.8	5.9	8.2	12.4	9.4	16.7	43.3	28.3
		Sprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		U S WEST	63.2	76.3	67.3	63.2	76.1	67.1	18.8	37.6	24.7	29.6	57.3	38.1
WEST VIRGINIA	959	*Bell Atlantic*	4.0	13.8	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WISCONSIN	3,296	*Ameritech*	87.7	83.4	86.2	56.0	67.8	60.2	39.8	50.9	43.9	36.8	48.2	40.8
		GTE	2.1	2.9	2.3	1.1	2.1	1.3	0.2	0.8	0.3	0.0	0.0	0.0
WYOMING	284	*U S WEST*	16.2	18.3	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 3.4
Percent of ILEC Lines Served by Switching Centers
Where New Entrants Have Collocation Arrangements

STATE	TOTAL STATE LINES *(1997 USF Loops in thousands) +*	COMPANY	AS OF DECEMBER 31, 1998			AS OF SEPTEMBER 30, 1998			AS OF JUNE 30, 1998			AS OF DECEMBER 31, 1997		
			RESIDENTIAL LINES	OTHER LINES	TOTAL LINES	RESIDENTIAL LINES	OTHER LINES	TOTAL LINES	RESIDENTIAL LINES	OTHER LINES	TOTAL LINES	RESIDENTIAL LINES	OTHER LINES	TOTAL LINES
Percentages for companies listed above (weighted average based on total lines served including those withheld to maintain confidentiality)			42.2 %	58.3 %	47.7 %	34.8 %	51.5 %	40.4 %	25.3 %	44.1 %	31.7 %	23.3 %	41.4 %	29.5 %
HOLDING COMPANY SUMMARY		Ameritech	59.4 %	72.4 %	64.2 %	50.0 %	65.6 %	55.7 %	42.3 %	59.0 %	48.6 %	38.7 %	57.0 %	45.6 %
(for states reported above)		Bell Atlantic	43.2	58.9	49.0	32.6	50.2	39.0	23.8	44.7	31.4	22.8	44.4	30.4
		BellSouth	33.4	49.4	38.5	28.9	46.2	34.2	23.1	40.1	28.4	19.6	37.9	25.3
		GTE	21.1	33.9	24.9	16.4	28.9	19.9	9.7	21.2	12.9	10.5	26.8	17.1
		SBC @@	51.5	66.3	57.0	41.0	56.4	46.6	33.4	52.2	40.4	22.9	39.1	28.0
		Sprint	17.6	29.3	20.9	17.5	25.3	19.7	16.6	26.5	19.4	14.7	21.1	16.5
		U S WEST	47.0	62.9	52.0	45.7	60.8	50.2	17.1	31.2	21.4	30.4	48.7	36.1

Notes for Table 3.4 appear on the next page.

NOTES FOR TABLE 3.1 THROUGH TABLE 3.4

Notes that apply to all tables

Source: Compiled from data reported in voluntary local competition surveys posted at <http://www.fcc.gov/ccb/local_competition> on the World Wide Web.

Voice grade lines in service to end users are for the provision of voice grade switched service. UNE loops have been included in total switched lines, as reported in Table 3.1 through Table 3.3. Residential and other switched lines, reported separately in Table 3.4, do not include UNE loops; most surveyed incumbent companies report that they do not know whether a competitor's end-user customer served by means of a UNE loop is a residential customer or other customer. Special access lines are not included in any table. Some data for prior periods have been revised. Detail may not add to totals due to rounding. Total state lines, as measured for determining Universal Service Fund payments, are presented in some tables because not all incumbent companies were surveyed. Questions were refined over the course of the surveys, and reported data may not be strictly comparable across surveys in part for this reason. GTE data as of 6/30/98 have been roughly adjusted to compensate for the apparent reporting of individual channel service (voice grade) lines as individual higher capacity (T-1) lines.

* Withheld to maintain confidentiality as requested by reporting company.

** Amount is fewer than 500 lines.

*** Amount is less than 0.05%.

\+ Total lines are sums of lines reported only by those companies whose names appear in the table, except that values appearing in the column labeled "Total State Lines (1997 USF Loops in thousands)" are sums for all incumbent local exchange companies. The number of USF loops generally is somewhat smaller than the number of switched access lines. In the tables, USF loops and reported switched access lines, by state, at the end of 1997 do not differ by more than 2%, which is within the typical range of variation.

& **SBC, California (6/30/98 data)**: Total switched lines includes a number of UNE loops (52,092) that SBC confirms is too high, but SBC has not been able to provide a corrected value.
Ameritech, all states (6/30/98 data): Reported numbers of total switched lines in service, and also reported numbers of switched lines provided directly to end users (as opposed to CLECs), consistently exceed the comparable values reported as of 9/30/98 and as of 12/31/98. It therefore appears that private lines or other, unexplained, lines have been included in the 6/30/98 data but not in the later data. Directions for completing the survey were more detailed and explicit in the latter two surveys.

n.a. Not available. Survey participants were asked to use n.a. in responding to a question when the response was known to be positive but unavailable for reporting, or when the respondent could not determine whether or not it had anything to report in that category.

Res. Residential.

Additional notes for Table 3.1

\# "Other resale" lines are lines provided to communications carriers (for resale to end users) under arrangements, such as retail "centrex" tariffs, that are not wholesale "total service resale" (TSR). The obligation of incumbent carriers to make their services available to other carriers under TSR arrangements is set out in section 251(c)(4) of the Telecommunications Act, and the standards for pricing TSR are set out in section 252(c)(3) (state commission to set wholesale rates based on retail rates, excluding any marketing, billing, collection, and other avoided costs). Lines reported as "other resale" should include only lines provided to other carriers. They should not include, for example, lines provided to a shared tenant service provider unless that provider is a state-authorized competitive local exchange carrier (CLEC). Some such lines may, nevertheless, be included in the reported data. Ameritech, Bell Atlantic, and U S WEST have indicated that their databases do not at this time completely distinguish between retail services provided to carriers for resale, and the same services provided to agents and other non-carriers for resale. McLeodUSA is an example of a CLEC that has used centrex resale in its market entry strategy (initially in Iowa and more recently elsewhere in the U S WEST region and in parts of the Ameritech region).

\## U S WEST combined TSR and "other resale" lines (see note #) in data reported for 6/30/98 and 12/31/97. To facilitate general comparisons over time, the two types of resale to CLECs are summarized as a combined amount for Ameritech,

as of 6/30/98, as well. (By contrast, Ameritech TSR lines, strictly defined, are summarized in Table 3.2.) The included numbers of Ameritech "other resale" lines as of 6/30/98 that are included in Table 3.1 are:

Illinois	20,946
Indiana	2,528
Michigan	13,011
Ohio	30,074
Wisconsin	19,055

n.m. Not meaningful; total switched lines withheld to maintain confidentiality include UNE loops.

Additional notes for Table 3.2

@ TSR lines reported by U S WEST as of 6/30/98 include lines provided to CLECs under other resale arrangements, particularly resold "centrex" service. See also note # to Table 3.1.

n.a. Not applicable (zero ILEC resold lines).

Additional notes for Table 3.3

n.m. Not meaningful; total switched lines withheld to maintain confidentiality include resold lines.

Additional notes for Table 3.4

Several companies, including GTE, SBC (for Nevada), and U S WEST, may not have reported on a consistent basis data on collocation arrangements in some states. Excluding, for example, U S WEST data results in slight changes in nationwide percentages: 33.5% of residential, 50.6% of other, and 39.3% of total lines as of 9/30/98; 26.3% of residential, 45.4% of other, and 32.9% of total lines as of 6/30/98; 22.5% of residential, 40.6% of other, and 28.7% of total lines as of 12/31/97.

@@ SBC summaries as of 6/30/98 and 12/31/97 exclude SNET, for which information is not available.

[Note to electronic version: This page intentionally not numbered and left blank.]

IV. NEW ENTRANTS IN THE SWITCHED MARKET: NATIONWIDE, BY STATE, AND BY LATA

This section contains summary information about the number of new local service competitors holding telephone numbering codes *nationwide, by state, and by LATA*, and detailed information about the identity of those new competitors *by state and by LATA*.[30]

Numbering codes are used to route and rate switched telephone traffic within the nationwide network, including assuring that a call is delivered to the telephone switch serving the customer to whom the call is directed.[31] A local service competitor that owns a telephone switch must acquire a numbering code for that switch before commencing operation as a facilities-based CLEC providing mass market switched telephone service. In order to receive one or more numbering codes in an area, local exchange carriers must be licensed or certified to operate in an area, if required by a state regulatory authority, and must demonstrate that all applicable regulatory authority required to provide service has been obtained.

Assignment of a numbering code in a particular area does not indicate that the carrier assigned the code is providing service in the area. Reservation of codes is permitted to accommodate technical and planning constraints. However, if a reserved code is not activated within eighteen months, the codes will be released from reservation.[32] Telephone numbering codes are currently assigned to local exchange carriers in blocks of 10,000 for use with lines located within a unique geographically defined rate exchange area.[33]

Competitive local service providers have been defined in this report as those carriers that identify themselves as competitive local service providers and have been assigned an operating company number between 7000 and 8999, the range reserved by the National Exchange Carrier Association for competitive local service providers. Local resellers may obtain numbering codes for rating purposes, in which case they are included in this section, or may choose other rating methods that rely on the use of the numbering codes obtained by the facilities-based carriers providing their wholesale local exchange service, in which case they are not be included. Where information was available, we have attempted to consolidate with the parent company subsidiaries and affiliates purchased for entry into the local market.[34]

Table 4.1 summarizes information at the national and state levels on local service competitor

---

[30] The information is derived from information maintained by Telcordia Technologies' (formerly Bellcore) Traffic Routing Administration and published in *Local Exchange Routing Guide (LERG)*.

[31] Numbering codes are assigned to identify addresses in the public switched network, not addresses within private networks. The first three digits of each seven-digit telephone number in a block of 10,000 numbering codes is variously called a "Central Office" code or "CO" code or "NXX" code.

[32] Under certain circumstances, when the reservation is solely due to technical constraints, the reservation may be extended.

[33] Rate exchange areas are geographically defined areas within which calls that originate and terminate (i.e., remain within the area) are considered local calls.

[34] For example, Teleport Communications Group completed mergers with ACC National Telecom Corp. in April of 1998 and with AT&T Local in July of 1998. WorldCom Technologies, Inc. completed mergers with Brooks Fiber Properties, Inc. in January of 1998 and with MCIMetro ATS, Inc. in September of 1998.

numbering code activity, and Chart 4.1 summarizes this information at the LATA level. Individual state and LATA level detail is provided in Table 4.2. The numbering code data show that new local service providers have continued to enter the local exchange business. On a nationwide basis, 158 CLECs now have at least one numbering code, compared to 13 which had numbering codes in the last quarter of 1995. As of the end of June, there remained only 18 of the nation's 193 LATAs where CLECs had not yet obtained numbering codes. Twenty LATAs now have 10 or more CLECs with codes, and 62 LATAs have 5 or more such CLECs.

Table 4.3 presents nationwide information on amounts of numbering codes assigned to incumbents and competitors as well as their relative shares. The share of numbering codes held by competitors has steadily increased over time and reached 20% in the second quarter of 1999.

Table 4.1
Local Service Competitors Holding Numbering Codes

STATE	1994				1995				1996				1997				1998				1999	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
ALABAMA	0	0	0	0	0	0	0	0	0	0	1	1	1	3	5	5	6	6	6	6	6	6
ALASKA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
ARIZONA	0	0	0	0	0	0	0	0	0	0	3	4	5	5	6	7	9	9	8	8	9	9
ARKANSAS	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	5	5	5	6	6	6	7
CALIFORNIA	0	0	0	0	1	1	2	2	4	6	8	12	14	17	18	20	20	24	26	28	28	28
COLORADO	0	0	1	1	1	1	1	2	2	2	3	4	4	4	4	7	7	10	11	11	13	13
CONNECTICUT	0	0	0	0	0	0	1	2	4	4	4	5	6	6	7	8	7	8	5	5	4	4
DELAWARE*	0	0	0	0	0	0	0	1	2	4	4	4	5	6	9	11	11	12	12	13	13	13
DIST. OF COLUMBIA	0	0	0	0	1	1	2	2	2	2	4	4	4	6	6	6	6	10	8	12	13	14
FLORIDA	0	0	0	0	0	0	0	0	4	7	9	8	10	11	13	16	18	21	22	26	27	30
GEORGIA	0	0	0	0	0	0	0	0	1	3	4	4	5	6	7	12	13	18	19	19	18	18
HAWAII	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	2
IDAHO	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	3
ILLINOIS	0	0	1	3	3	3	3	3	4	4	5	6	7	9	9	10	11	12	14	15	13	14
INDIANA	0	0	0	0	0	0	0	0	0	0	2	3	3	3	4	6	5	6	6	6	6	9
IOWA	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	5	5	5	7	10	12	12
KANSAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	4
KENTUCKY	0	0	0	0	0	0	0	0	0	0	1	1	1	3	5	5	5	6	7	7	7	7
LOUISIANA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	5	6	9	13	13	13
MAINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2
MARYLAND	0	0	0	1	1	2	3	3	3	3	3	3	4	4	4	5	5	8	7	8	8	8
MASSACHUSETTS	0	0	1	1	2	2	3	3	3	4	4	4	6	8	11	12	11	11	9	10	12	12
MICHIGAN	0	0	0	1	2	2	3	4	4	4	4	4	5	5	6	7	7	7	8	8	8	8
MINNESOTA	0	0	0	0	0	0	0	0	0	0	1	1	1	1	5	6	7	8	9	10	11	12
MISSISSIPPI	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	3	3	4	4	5	5	5
MISSOURI	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	6	5	7	10	11	12	12
MONTANA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	3	3	3	4	4
NEBRASKA	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	3	3	4	4	4	4
NEVADA	0	0	0	0	0	0	0	0	0	0	1	2	4	4	3	3	4	4	4	4	5	5
NEW HAMPSHIRE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	4	5	5	4
NEW JERSEY	0	0	0	0	0	0	0	0	0	1	3	3	3	6	6	7	8	9	6	8	9	10
NEW MEXICO	0	0	0	0	0	0	0	0	0	0	2	2	3	3	3	3	3	3	3	4	4	4
NEW YORK	0	2	3	5	5	6	7	8	8	8	10	11	11	13	13	15	16	20	23	24	24	24
NORTH CAROLINA	0	0	0	0	0	0	0	0	0	0	1	2	3	5	8	8	11	12	11	12	12	12
NORTH DAKOTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	5	8	8	7	8
OHIO	0	0	0	0	0	0	0	0	1	2	4	5	6	6	7	9	9	11	9	10	11	12
OKLAHOMA	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4	5	5	5	5	6	6	7
OREGON	0	0	0	0	1	1	1	1	2	2	2	2	4	5	5	7	7	8	10	10	10	10
PENNSYLVANIA*	0	0	0	0	0	0	0	2	3	4	4	5	6	6	9	11	11	12	14	15	15	15
RHODE ISLAND	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	3	3	3	4	4	3
SOUTH CAROLINA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	4	7	7	7	7
SOUTH DAKOTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	3
TENNESSEE	0	0	0	0	0	0	0	0	1	2	3	5	5	7	7	8	10	10	8	9	10	10
TEXAS	0	0	0	0	0	0	0	1	2	3	4	4	8	13	17	21	24	28	32	34	33	32
UTAH	0	0	0	0	0	0	0	0	0	1	1	3	3	3	3	3	3	4	4	4	4	4
VERMONT	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2
VIRGINIA	0	0	0	0	0	0	0	0	0	0	0	0	1	4	3	3	4	7	7	7	8	8
WASHINGTON	0	0	2	2	3	3	4	5	5	5	6	6	7	9	9	10	11	12	12	12	12	12
WEST VIRGINIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
WISCONSIN	0	0	0	1	1	1	2	2	2	2	2	2	3	4	5	7	9	9	10	13	13	14
WYOMING	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2
TOTAL STATE MARKETS**	0	2	8	15	22	24	33	41	56	70	104	123	152	199	241	296	317	374	398	441	453	470
TOTAL NATIONWIDE (UNDUPLICATED)	0	2	5	8	10	11	12	13	15	20	27	31	41	53	72	90	95	112	141	150	153	158

* Delaware resides entirely within the Philadelphia LATA. Therefore, competitors holding codes in the Philadelphia LATA are included in both Pennsylvania and Delaware figures.

** Local service competitors are counted once for each state where they hold numbering codes.

Chart 4.1

Local Service Competitors Holding Numbering Codes by LATA on July 1, 1999

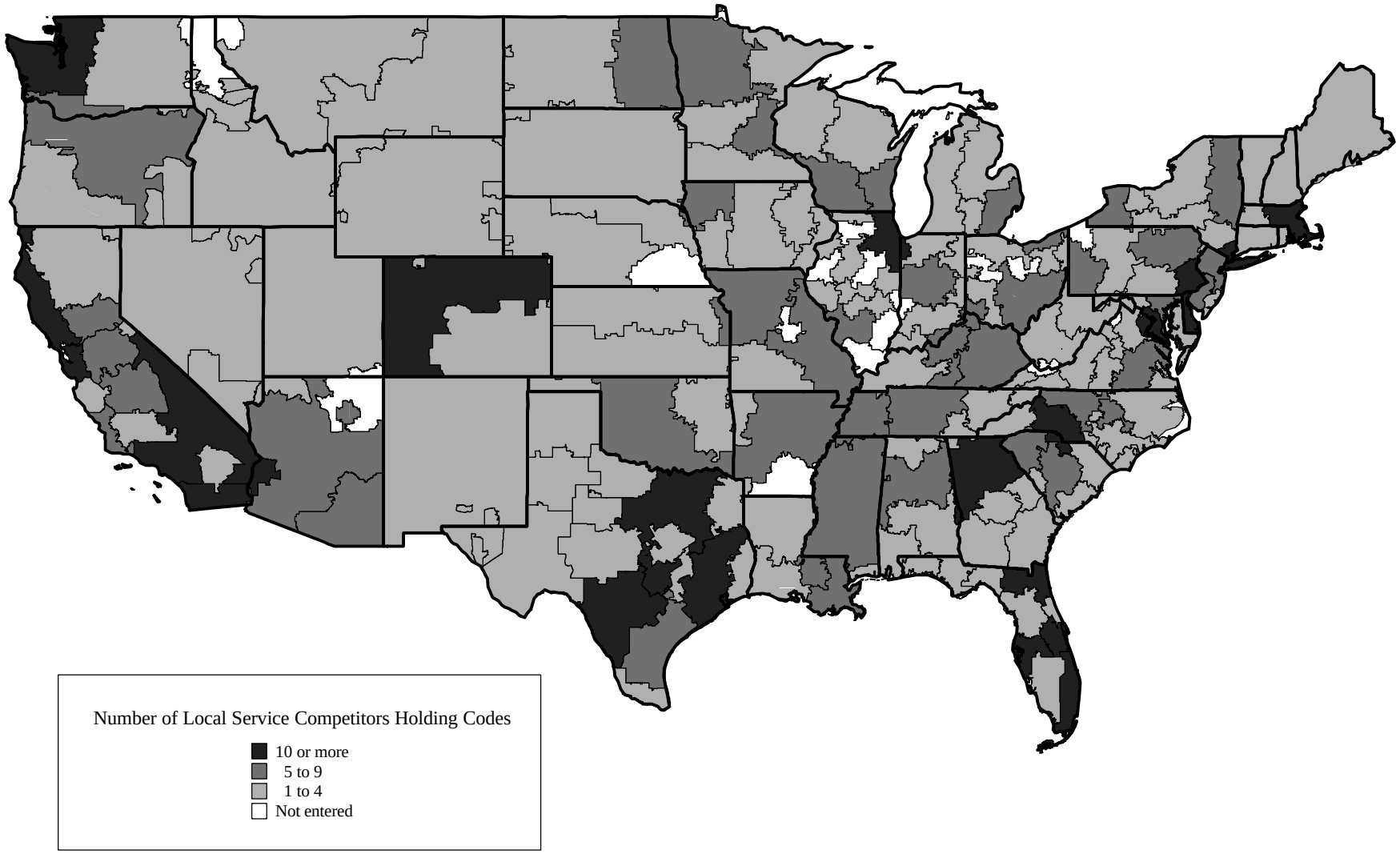


Table 4.2
Local Service Competitors Indentified

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
ALABAMA	*BIRMINGHAM*	AT&T LOCAL*																						
		E.SPIRE COMMUNICATIONS, INC.																						
		ICG TELECOM GROUP, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		ITC HOLDING CO.																						
		TELEPORT COMM GROUP*																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	1	1	3	4	4	4	5	5	5	5	5
	HUNTSVILLE	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		KMC TELECOM CORP.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	3	3	3
	MOBILE	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		E.SPIRE COMMUNICATIONS, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	3	3	3
	MONTGOMERY	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		E.SPIRE COMMUNICATIONS, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	3	3	3	3	3	3
ALASKA	*ALASKA*	GCI COMMUNICATION CORP.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
ARIZONA	*NAVAJO TERRITORY*	*TOTAL LOCAL SERVICE COMPETITORS IN THE LATA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PHOENIX	AT&T LOCAL*																						
		COX COMMUNICATIONS, INC.																						
		ELECTRIC LIGHTWAVE, INC.																						
		GST LIGHTWAVE, INC.																						
		MCIMETRO ATS, INC.**																						
		MOUNTAIN TELECOMMUNICATIONS, INC.																						
		NORTH COUNTY COMMUNICATIONS CORP.																						
		OPTEL TEXAS TELECOM, INC.																						
		SADDLEBACK COMMUNICATIONS CO.																						
		TELEPORT COMM GROUP*																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	1	2	3	3	4	5	7	7	7	7	8	8
	TUCSON	AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		E.SPIRE COMMUNICATIONS, INC.																						
		GST LIGHTWAVE, INC.																						
		MCIMETRO ATS, INC.**																						
		MOUNTAIN TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	2	2	3	3	3	3	3	3	3	4	5	5
ARKANSAS	*FORT SMITH*	SOUTHWESTERN BELL TELEPHONE CO.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	LITTLE ROCK	AT&T LOCAL*																						
		ALLTEL COMMUNICATIONS, INC.																						
		BROOKS FIBER PROPERTIES, INC.**																						
		CONNECT COMMUNICATIONS CORP.																						
		E.SPIRE COMMUNICATIONS, INC.																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		MCIMETRO ATS, INC.**																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	5	5	5	5	5	5	6
	PINE BLUFF	*TOTAL LOCAL SERVICE COMPETITORS IN THE LATA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALIFORNIA	*BAKERSFIELD*	BROOKS FIBER PROPERTIES, INC.**																						
		FIRSTWORLD																						
		GST LIGHTWAVE, INC.																						
		MCIMETRO ATS, INC.**																						
		PAC-WEST TELECOMM																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	3	3	4	4	4
	CHICO	PAC-WEST TELECOMM																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	FRESNO	AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		GST LIGHTWAVE, INC.																						
		MEDIAONE, INC.																						
		MCIMETRO ATS, INC.**																						

Table 4.2
Local Service Competitors Indentified - Continued

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
CALIFORNIA	*FRESNO (CONT'D)*	PAC-WEST TELECOMM																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	2	2	2	2	3	3	3	3	3	3	5	5	5
	LOS ANGELES	ALLEGIANCE TELECOM, INC.																						
		AT&T LOCAL*																						
		COMCAST TELEPHONY COMMUNICATONS, INC.																						
		COX COMMUNICATIONS, INC.																						
		CRL NETWORK SERVICES, INC.																						
		FIRSTWORLD																						
		FOCAL COMMUNICATIONS CORP.																						
		FRONTIER LOCAL SERVICES, INC.																						
		GST LIGHTWAVE, INC.																						
		GTE, INC.																						
		ICG TELECOM GROUP, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		JUSTICE TECHNOLOGY CORP.																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		MCIMETRO ATS, INC.**																						
		MEDIAONE, INC.																						
		MGC COMMUNICATIONS, INC.																						
		NEXTLINK, INC.																						
		OPTEL TEXAS TELECOM, INC.																						
		PACIFIC BELL																						
		PAC-WEST TELECOMM																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		THE TELEPHONE CONNECTION OF LOS ANGELES, INC.																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		U.S. TELEPACIFIC CORP.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	1	1	1	1	3	5	7	8	9	12	14	16	16	19	20	23	26	26
	MONTEREY	ICG TELECOM GROUP, INC.																						
		PAC-WEST TELECOMM																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2
	PALM SPRINGS	AT&T LOCAL*																						
		GST LIGHTWAVE, INC.																						
		MGC COMMUNICATIONS, INC.																						
		PAC-WEST TELECOMM																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	3	3	3	4
	SACRAMENTO	AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		ELECTRIC LIGHTWAVE, INC.																						
		FRONTIER LOCAL SERVICES, INC.																						
		ICG TELECOM GROUP, INC.																						
		MCIMETRO ATS, INC.**																						
		PACIFIC BELL																						
		PAC-WEST TELECOMM																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	2	3	3	4	4	4	4	4	4	6	6	7	8	8
	SAN DIEGO	ALLEGIANCE TELECOM, INC.																						
		AT&T LOCAL*																						
		COX COMMUNICATIONS, INC.																						
		FIRSTWORLD																						
		FRONTIER LOCAL SERVICES, INC.																						
		ICG TELECOM GROUP, INC.																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		MCIMETRO ATS, INC.**																						
		MGC COMMUNICATIONS, INC.																						
		NEXTLINK, INC.																						
		NORTH COUNTY COMMUNICATIONS CORP.																						
		PAC-WEST TELECOMM																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	1	1	1	2	4	5	6	6	7	7	8	9	10	11	14	15	15

Table 4.2
Local Service Competitors Indentified - Continued

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
CALIFORNIA	*SAN FRANCISCO*	ALLEGIANCE TELECOM, INC.																						
		AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		CRL NETWORK SERVICES, INC.																						
		FIRSTWORLD																						
		FOCAL COMMUNICATIONS CORP.																						
		FRONTIER LOCAL SERVICES, INC.																						
		GST LIGHTWAVE, INC.																						
		ICG TELECOM GROUP, INC.																						
		JUSTICE TECHNOLOGY CORP.																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		MCIMETRO ATS, INC.**																						
		NEXTLINK, INC.																						
		OPTEL TEXAS TELECOM, INC.																						
		PACIFIC BELL																						
		PAC-WEST TELECOMM																						
		STANFORD UNIVERSITY COMMUNICATIONS SERVICES																						
		TCI TELEPHONY SERVICES*																						
		TELIGENT, INC.																						
		TELEPORT COMM GROUP*																						
		U.S. TELEPACIFIC CORP.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	1	2	2	3	5	6	8	9	10	10	10	10	11	12	16	17	17
	SAN LUIS OBISPO	AT&T LOCAL*																						
		GST LIGHTWAVE, INC.																						
		ICG TELECOM GROUP, INC.																						
		PACIFIC BELL																						
		PAC-WEST TELECOMM																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	2	2	2	2	2	3	4	4	4	4	4	4	5
	STOCKTON	AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		ICG TELECOM GROUP, INC.																						
		MCIMETRO ATS, INC.**																						
		MEDIAONE, INC.																						
		PAC-WEST TELECOMM																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	3	5	5
COLORADO	*COLORADO SPRINGS*	AT&T LOCAL*																						
		E.SPIRE COMMUNICATIONS, INC.																						
		ICG TELECOM GROUP, INC.																						
		KINGS DEER TELEPHONE CO.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA														1	1	2	2	2	2	3	4	4
	DENVER	AT&T LOCAL*																						
		CONVERGENT COMMUNICATIONS, INC.																						
		FRONTIER LOCAL SERVICES, INC.																						
		GREAT WEST SERVICES, LTD.																						
		ICG TELECOM GROUP, INC.																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		MCIMETRO ATS, INC.**																						
		MEDIAONE, INC.																						
		NEXTLINK, INC.																						
		OPTEL TEXAS TELECOM, INC.																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	1	1	1	1	1	2	2	2	3	4	4	4	4	6	6	9	10	10	11	11
CONNECTICUT	*CONNECTICUT*	AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		CABLE LIGHTPATH, INC.																						
		COX COMMUNICATIONS, INC.																						
		ICG TELECOM GROUP, INC.																						
		MCIMETRO ATS, INC.**																						
		TCI TELEPHONY SERVICES*																						
		TELEPORT COMM GROUP*																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	1	2	4	4	4	5	6	6	7	8	7	8	5	5	4	4

Table 4.2
Local Service Competitors Indentified - Continued

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
DELAWARE****	*PHILADELPHIA*	AT&T LOCAL*																						
		ATX TELECOMMUNICATION SERVICES, LTD.																						
		CONECTIV COMMUNICATIONS, INC.																						
		CONESTOGA COMMUNICATIONS, INC.																						
		FOCAL COMMUNICATIONS CORP.																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		MCIMETRO ATS, INC.**																						
		NEXTLINK, INC.																						
		RCN TELECOM/COMMONWEALTH TELEPHONE																						
		SERVICE ELECTRIC TELEPHONE, INC.																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	1	2	4	4	4	5	6	9	11	11	12	12	13	13	13
DIST. OF COLUMBIA	*WASHINGTON DC*	ALLEGIANCE TELECOM, INC.																						
		AT&T LOCAL*																						
		E.SPIRE COMMUNICATIONS, INC.																						
		FOCAL COMMUNICATIONS CORP.																						
		GLOBAL NAPS, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		JONES INTERCABLE																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		MCIMETRO ATS, INC.**																						
		NEXTLINK, INC.																						
		RCN TELECOM/COMMONWEALTH TELEPHONE																						
		SPRINT METRO NTWKS																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	1	1	2	2	2	2	4	4	4	6	6	6	6	10	8	12	13	14
FLORIDA	*DAYTONA BEACH*	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		KMC TELECOM CORP.																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		US LEC, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	5	5	4
	FT MYERS	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		KMC TELECOM CORP.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
	GAINESVILLE	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		MCIMETRO ATS, INC.**																						
		US LEC, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	3	4	3	3	3
	JACKSONVILLE	ALLTEL COMMUNICATIONS, INC.																						
		AT&T LOCAL*																						
		BUSINESS TELECOM, INC.																						
		E.SPIRE COMMUNICATIONS, INC.																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		ITC HOLDING CO.																						
		MEDIAONE, INC.																						
		TELIGENT, INC.																						
		US LEC, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	1	2	2	2	3	3	5	7	8	9	9	10
	MIAMI	AT&T LOCAL*																						
		COMCAST TELEPHONY COMMUNICATONS, INC.																						
		EASTLAND TELEPHONE CO.																						
		E.SPIRE COMMUNICATIONS, INC.																						
		GLOBAL NAPS, INC.																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		IDS LONG DISTANCE																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		ITC HOLDING CO.																						

Table 4.2
Local Service Competitors Indentified - Continued

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
FLORIDA	*MIAMI (CONT'D)*	MCIMETRO ATS, INC.**																						
		MEDIAONE, INC.																						
		MGC COMMUNICATIONS, INC.																						
		NATIONAL TELECOM OF FLORIDA, INC.																						
		NEW MILLENNIUM COMMUNICATIONS CORP.																						
		NORTH AMERICAN TELECOMMUNICATIONS CORP.																						
		STRATEGIC TECHNOLOGIES, INC.																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		US LEC, L.L.C.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	2	3	5	5	7	8	8	8	10	10	11	17	18	19
	ORLANDO	AT&T LOCAL*																						
		BELLSOUTH TELECOMMUNICATIONS, INC.																						
		BUSINESS TELECOM, INC.																						
		GOLDEN HARBOR, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		ITC HOLDING CO.																						
		KMC TELECOM CORP.																						
		MCIMETRO ATS, INC.**																						
		NATIONAL TELECOM OF FLORIDA, INC.																						
		NEW SOUTH COMMUNICATIONS, L.L.C.																						
		ORLANDO TEL CO.																						
		SPRINT METRO NTWKS																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		US LEC, L.L.C.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA									2	5	6	6	7	7	8	9	11	14	13	13	13	15
	PANAMA CITY	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2
	PENSACOLA	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		KMC TELECOM CORP.																						
		UNIVERSALCOM, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	4
	TALAHASEE	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		KMC TELECOM CORP.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	3
	TAMPA	AT&T LOCAL*																						
		BUSINESS TELECOM, INC.																						
		CITY OF LAKELAND																						
		E.SPIRE COMMUNICATIONS, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		ITC HOLDING CO.																						
		KMC TELECOM CORP.																						
		MCIMETRO ATS, INC.**																						
		NATIONAL TELECOM OF FLORIDA, INC.																						
		NEW SOUTH COMMUNICATIONS, L.L.C.																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		US LEC, L.L.C.																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	2	3	3	3	3	5	8	8	11	10	13	13	14
GEORGIA	*ALBANY*	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2
	ATLANTA	ALLEGIANCE TELECOM, INC.																						
		AT&T LOCAL*																						
		BUSINESS TELECOM, INC.																						
		E.SPIRE COMMUNICATIONS, INC.																						
		FRONTIER LOCAL SERVICES, INC.																						
		GLOBE TELECOMMUNICATIONS, INC.																						

Table 4.2
Local Service Competitors Indentified - Continued

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
GEORGIA	*ATLANTA (CONT'D)*	GOLDEN HARBOR, INC.																						
		ICG TELECOM GROUP, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		ITC HOLDING CO.																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		MCIMETRO ATS, INC.**																						
		MEDIAONE, INC.																						
		MGC COMMUNICATIONS, INC.																						
		NEXTLINK, INC.																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		US LEC, L.L.C.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	1	3	4	4	5	6	7	11	12	17	18	18	17	17
	AUGUSTA	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		KMC TELECOM CORP.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3
	MACON	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		US LEC, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	3	3
	SAVANNAH	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		KMC TELECOM CORP.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	3	3	3
HAWAII	*HAWAII*	GST LIGHTWAVE, INC.																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	2
IDAHO	*BOISE*	AT&T LOCAL*																						
		ELECTRIC LIGHTWAVE, INC.																						
		GST LIGHTWAVE, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	3
	COUER D-ALENE	*TOTAL LOCAL SERVICE COMPETITORS IN THE LATA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILLINOIS	*CAIRO*	*TOTAL LOCAL SERVICE COMPETITORS IN THE LATA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CHAMPAIGN	AT&T LOCAL*																						
		MCLEOD NETWORK SERVICES***																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2
	CHICAGO	21ST CENTURY TELECOM OF ILLINOIS, INC.																						
		ALLEGIANCE TELECOM, INC.																						
		AT&T LOCAL*																						
		FOCAL COMMUNICATIONS CORP.																						
		FRONTIER LOCAL SERVICES, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		MCIMETRO ATS, INC.**																						
		MCLEOD NETWORK SERVICES***																						
		MGC COMMUNICATIONS, INC.																						
		NEXTLINK, INC.																						
		OVATION COMMUNICATIONS, INC.***																						
		SPRINT METRO NTWKS																						
		TCI TELEPHONY SERVICES*																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		US ONE COMMUNICATIONS CORP.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	1	3	3	3	3	3	3	3	4	5	6	8	8	10	11	12	14	14	12	13
	FORREST	*TOTAL LOCAL SERVICE COMPETITORS IN THE LATA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MACOMB	*TOTAL LOCAL SERVICE COMPETITORS IN THE LATA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MATOON	MCLEOD NETWORK SERVICES***																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA																					1	1
	OLNEY	*TOTAL LOCAL SERVICE COMPETITORS IN THE LATA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	PEORIA	AT&T LOCAL*																						
		MCLEOD NETWORK SERVICES***																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2
	QUINCY	MCLEOD NETWORK SERVICES***																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1

Table 4.2
Local Service Competitors Indentified - Continued

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
ILLINOIS	*ROCKFORD*	US XCHANGE, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	SPRINGFIELD	AT&T LOCAL*																						
		MCLEOD NETWORK SERVICES***																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2
	STERLING	*TOTAL LOCAL SERVICE COMPETITORS IN THE LATA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INDIANA	*AUBURN-HUNTINGTON*	KMC TELECOM CORP.																						
		US XCHANGE, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2
	BLOOMINGTON	AT&T LOCAL*																						
		US XCHANGE, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2
	EVANSVILLE	AT&T LOCAL*																						
		COMMUNITY TELEPHONE CORP.																						
		US XCHANGE, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
	INDIANAPOLIS	AT&T LOCAL*																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		MCIMETRO ATS, INC.**																						
		MCLEOD NETWORK SERVICES***																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	2	3	3	3	4	6	5	5	5	4	4	6
	RICHMOND	AT&T LOCAL*																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	SOUTH BEND	AT&T LOCAL*																						
		US XCHANGE, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2
	TERRE HAUTE	*TOTAL LOCAL SERVICE COMPETITORS IN THE LATA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOWA	*CEDAR RAPIDS*	AT&T LOCAL*																						
		MCLEOD NETWORK SERVICES***																						
		SHELLSBURG TELECOMMUNICATIONS, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3
	DAVENPORT	AT&T LOCAL*																						
		LOST NATION - ELWOOD TELEPHONE CO.																						
		MCLEOD NETWORK SERVICES***																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	3	3
	DES MOINES	AT&T LOCAL*																						
		CRYSTAL COMMUNICATIONS, INC.																						
		GOLDFIELD ACCESS NETWORK, L.C.																						
		HEART OF IOWA COMMUNICATIONS, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	4	4
	SIOUX CITY	ADVANCED NETWORK COMMUNICATIONS, L.L.C.																						
		AT&T LOCAL*																						
		COMMCHOICE, L.L.C.																						
		FIBERCOM, L.C.																						
		HAWARDEN MUNICIPAL UTILITIES																						
		INDEPENDENT NETWORKS, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA															1	1	1	1	2	5	6	6
KANSAS	*TOPEKA*	AT&T LOCAL*																						
		KMC TELECOM CORP.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2
	WICHITA	AT&T LOCAL*																						
		BIRCH TELECOM, INC.																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		KMC TELECOM CORP.																						
		VALU-LINE OF KANSAS																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4
KENTUCKY	*LOUISVILLE*	AT&T LOCAL*																						
		COMMUNITY TELEPHONE CORP.																						
		E.SPIRE COMMUNICATIONS, INC.																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		ICG TELECOM GROUP, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA											1	1	1	2	3	3	3	4	4	4	4	5

Table 4.2
Local Service Competitors Indentified - Continued

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
KENTUCKY	*OWENSBORO*	ALEC, INC.																						
		AT&T LOCAL*																						
		COMMUNITY TELEPHONE CORP.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	3	3	3
	WINCHESTER	AT&T LOCAL*																						
		COMMUNITY TELEPHONE CORP.																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		ICG TELECOM GROUP, INC.																						
		SOUTHEAST TELEPHONE, L.P.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	3	3	5
LOUISIANA	*BATON ROUGE*	ADVANCED TEL, INC.																						
		AT&T LOCAL*																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		ITC HOLDING CO.																						
		KMC TELECOM CORP.																						
		LEC UNWIRED, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	3	5	5	6
	LAFAYETTE	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		LEC UNWIRED, L.L.C.																						
		SHELL OFFSHORE SERVICES CO.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	4	4
	NEW ORLEANS	AMERICAN METROCOMM, INC.																						
		AT&T LOCAL*																						
		COLUMBIA TELECOMMUNICATIONS, INC.																						
		COX COMMUNICATIONS, INC.																						
		E.SPIRE COMMUNICATIONS, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		ITC HOLDING CO.																						
		NEW SOUTH COMMUNICATIONS, L.L.C.																						
		SHELL OFFSHORE SERVICES CO.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	4	6	9	9	9
	SHREVEPORT	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		KMC TELECOM CORP.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	3	3	3
MAINE	*MAINE*	AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		MCIMETRO ATS, INC.**																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2
MARYLAND	*BALTIMORE*	AT&T LOCAL*																						
		COMCAST TELEPHONY COMMUNICATONS, INC.																						
		CONECTIV COMMUNICATIONS, INC.																						
		E.SPIRE COMMUNICATIONS, INC.																						
		MCIMETRO ATS, INC.**																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	1	1	2	3	3	3	3	3	3	4	4	4	5	5	8	7	7	7	7
	HAGERSTOWN	AT&T LOCAL*																						
		RCN TELECOM/COMMONWEALTH TELEPHONE																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2
	SALISBURY	AT&T LOCAL*																						
		CONECTIV COMMUNICATIONS, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2
MASSACHUSETTS	*BOSTON*	ACC NATIONAL TELECOM CORP.*																						
		AT&T LOCAL*																						
		COMAV CORP.																						
		FOCAL COMMUNICATIONS CORP.																						
		FRONTIER LOCAL SERVICES, INC.																						
		GLOBAL NAPS, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		LBC TLEPHONY INC.																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		MCIMETRO ATS, INC.**																						
		MEDIAONE, INC.																						

Table 4.2
Local Service Competitors Indentified - Continued

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
MASSACHUSETTS	*BOSTON (CONT'D)*	RCN TELECOM/COMMONWEALTH TELEPHONE																						
		RNK, INC.																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		US ONE COMMUNICATIONS CORP.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	1	1	2	2	3	3	3	3	3	3	4	7	10	11	11	11	9	10	12	12
	SPRINGFIELD	ACC NATIONAL TELECOM CORP.*																						
		AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		GLOBAL NAPS, INC.																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		MCIMETRO ATS, INC.**																						
		TELEPORT COMM GROUP*																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	1	1	1	2	2	3	5	5	5	4	3	3	3
MICHIGAN	*DETROIT*	AT&T LOCAL*																						
		COAST TO COAST TELECOMMUNICATIONS, INC.																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		MCIMETRO ATS, INC.**																						
		MCLEOD NETWORK SERVICES***																						
		MEDIAONE, INC.																						
		OVATION COMMUNICATIONS, INC.***																						
		PHONE MICHIGAN***																						
		TELEPORT COMM GROUP*																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	1	1	1	2	3	3	3	3	3	4	4	5	6	7	7	6	6	6	6
	GRAND RAPIDS	AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		CLIMAX TELEPHONE CO.																						
		MCIMETRO ATS, INC.**																						
		US XCHANGE, L.L.C.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	4	4	4
	LANSING	AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		MCIMETRO ATS, INC.**																						
		MCLEOD NETWORK SERVICES***																						
		OVATION COMMUNICATIONS, INC.***																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	3	3	3
	SAGINAW	AT&T LOCAL*																						
		MCLEOD NETWORK SERVICES***																						
		OVATION COMMUNICATIONS, INC.***																						
		PHONE MICHIGAN***																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2
	UPPER PENINSULA	*TOTAL LOCAL SERVICE COMPETITORS IN THE LATA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MINNESOTA	*DULUTH*	INFOTEL COMMUNICATIONS, L.L.C.																						
		U.S. LINK, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA																			1	1	1	2
	MINNEAPOLIS	AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		FRONTIER LOCAL SERVICES, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		U.S. LINK, INC.																						
		MCIMETRO ATS, INC.**																						
		MCLEOD NETWORK SERVICES***																						
		MEDIAONE, INC.																						
		OVATION COMMUNICATIONS, INC.***																						
		TELEPORT COMM GROUP*																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	1	1	1	1	4	5	6	7	5	6	7	7
	ROCHESTER	AT&T LOCAL*																						
		CRYSTAL COMMUNICATIONS, INC.																						
		REDWOOD FALLS TELEPHONE CO.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	3

Table 4.2
Local Service Competitors Indentified - Continued

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
MINNESOTA	*ST CLOUD*	AT&T LOCAL*																						
		FEDERATED TELCOM, INC.																						
		INFOTEL COMMUNICATIONS, L.L.C.																						
		U.S. LINK, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	3	3	4
MISSISSIPPI	*BILOXI*	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2
	JACKSON	AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		CELLULAR XL ASSOCIATES, L.P.																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		ITC HOLDING CO.																						
		MCIMETRO ATS, INC.**																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	3	3	4	4	5	5	5
MISSOURI	*KANSAS CITY*	AT&T LOCAL*																						
		BIRCH TELECOM, INC.																						
		BROADSPAN COMMUNICATIONS																						
		BROOKS FIBER PROPERTIES, INC.**																						
		DUNN & ASSOCIATES, INC.																						
		E.SPIRE COMMUNICATIONS, INC.																						
		FRONTIER LOCAL SERVICES, INC.																						
		MARK TWAIN COMMUNICATIONS CO.																						
		MCIMETRO ATS, INC.**																						
		SPRINT METRO NTWKS																						
		VALU-LINE OF KANSAS																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	4	7	9	8	9
	SPRINGFIELD	BROOKS FIBER PROPERTIES, INC.**																						
		MCIMETRO ATS, INC.**																						
		MCLEOD NETWORK SERVICES***																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2
	ST LOUIS	AT&T LOCAL*																						
		BIRCH TELECOM, INC.																						
		BROADSPAN COMMUNICATIONS																						
		DIGITAL TELEPORT COMM GROUP*																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		MARK TWAIN COMMUNICATIONS CO.																						
		MCIMETRO ATS, INC.**																						
		MCLEOD NETWORK SERVICES***																						
		TELEPORT COMM GROUP*																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	3	4	5	6	8	9
	WESTPHALIA	*TOTAL LOCAL SERVICE COMPETITORS IN THE LATA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MONTANA	*BILLINGS*	AT&T LOCAL*																						
		ECLIPSE COMMUNICATIONS CORP.																						
		MID-RIVERS TELEPHONE COOPERATIVE, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA														1	1	1	1	2	2	2	3	3
	GREAT FALLS	AT&T LOCAL*																						
		MID-RIVERS TELEPHONE COOPERATIVE, INC.																						
		MONTANA WIRELESS, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	3	3
NEBRASKA	*GRAND ISLAND*	AT&T LOCAL*																						
		ALIANT MIDWEST INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2
	LINCOLN	*TOTAL LOCAL SERVICE COMPETITORS IN THE LATA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OMAHA	AT&T LOCAL*																						
		ADVANCED NETWORK COMMUNICATIONS, L.L.C.																						
		ALIANT MIDWEST INC.																						
		COX COMMUNICATIONS, INC.																						
		TELEPORT COMM GROUP*																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	3	3	4	4	4	4
NEVADA	*LAS VEGAS*	E.SPIRE COMMUNICATIONS, INC.																						
		MGC COMMUNICATIONS, INC.																						

Table 4.2
Local Service Competitors Indentified - Continued

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
NEVADA	*LAS VEGAS (CONT'D)*	NEXTLINK, INC.																						
		PAC-WEST TELECOM																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA												1	2	2	2	2	3	3	3	3	4	4
	RENO	BROOKS FIBER PROPERTIES, INC.**																						
		MCIMETRO ATS, INC.**																						
		PAC-WEST TELECOM																						
		PHOENIX FIBERLINK																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1	2	2
NEW HAMPSHIRE	*NEW HAMPSHIRE*	AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		FREEDOM RING COMMUNICATIONS, L.L.C.																						
		GLOBAL NAPS, INC.																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		MCIMETRO ATS, INC.**																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA															1	2	2	2	4	5	5	4
NEW JERSEY	*ATLANTIC CITY*	AT&T LOCAL*																						
		CONECTIV COMMUNICATIONS, INC.																						
		SHELLSBURG TELECOMMUNICATIONS, INC.																						
		TELEPORT COMM GROUP*																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	1	2	2	2
	DELAWARE VALLEY	AT&T LOCAL*																						
		ATX TELECOMMUNICATION SERVICES, LTD.																						
		CONECTIV COMMUNICATIONS, INC.																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		MCIMETRO ATS, INC.**																						
		NEXTLINK, INC.																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	4	5	6	5	7	7	7
	JERSEY CITY	AT&T LOCAL*																						
		GLOBAL NAPS, INC.																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		MCIMETRO ATS, INC.**																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	1	3	3	3	6	6	6	6	6	4	4	6	7
NEW MEXICO	*NEW MEXICO*	AT&T LOCAL*																						
		E.SPIRE COMMUNICATIONS, INC.																						
		BROOKS FIBER PROPERTIES, INC.**																						
		GST LIGHTWAVE, INC.																						
		MCIMETRO ATS, INC.**																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	2	2	3	3	3	3	3	3	3	4	4	4
NEW YORK	*ALBANY*	ACC NATIONAL TELECOM CORP.*																						
		AT&T LOCAL*																						
		FRONTIER LOCAL SERVICES, INC.																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		MCIMETRO ATS, INC.**																						
		MID-HUDSON COMMUNICATIONS, INC.																						
		TELEPORT COMM GROUP*																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	2	2	3	3	3	3	3	3	3	3	3	3	4	3	3	2	2	3	5
	BINGHAMTON	ACC NATIONAL TELECOM CORP.*																						
		AT&T LOCAL*																						
		FRAMCO, INC.																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		RCN TELECOM/COMMONWEALTH TELEPHONE																						
		TELEPORT COMM GROUP*																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	1	1	1	2	2	2	2	2	2	2	2	2	4	3	3	3	2	2	2
	BUFFALO	ACC NATIONAL TELECOM CORP.*																						
		AT&T LOCAL*																						
		COMAV CORP.																						

Table 4.2
Local Service Competitors Indentified - Continued

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
NEW YORK	*BUFFALO (CONT'D)*	FRONTIER LOCAL SERVICES, INC.																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		MCIMETRO ATS, INC.**																						
		TELERGY JOINT VENTURE																						
		TELEPORT COMM GROUP*																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	3	5	5	6
	FISHERS ISLAND	*TOTAL LOCAL SERVICE COMPETITORS IN THE LATA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NEW YORK	ACC NATIONAL TELECOM CORP.*																						
		ALLEGIANCE TELECOM, INC.																						
		AMERICAN NETWORK, INC.																						
		AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		CABLE LIGHTPATH, INC.																						
		COMAV CORP.																						
		E.SPIRE COMMUNICATIONS, INC.																						
		FOCAL COMMUNICATIONS CORP.																						
		FRONTIER LOCAL SERVICES, INC.																						
		GLOBAL NAPS, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		LOCAL FIBER, L.L.C.																						
		MARATHON METRO, INC.																						
		MCIMETRO ATS, INC.**																						
		METROPOLITAN TELECOMMUNICATIONS																						
		NEXTLINK, INC.																						
		NORTH AMERICAN TELECOMMUNCATIONS CORP.																						
		RCN TELECOM/COMMONWEALTH TELEPHONE																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		US ONE COMMUNICATIONS CORP.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	2	3	3	3	4	5	6	6	6	8	9	10	12	12	14	15	17	18	20	19	19
	POUGHKEEPSIE	AT&T LOCAL*																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1
	ROCHESTER	AT&T LOCAL*																						
		ACC NATIONAL TELECOM CORP.*																						
		MCIMETRO ATS, INC.**																						
		NORTHPOINT COMMUNICATIONS, INC.																						
		TELEPORT COMM GROUP*																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		TIMELY INFORMATION CORP.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	2	2	2	2	2	3	3	3	3	3	3	3	3	2	4	5	4	4	4
	SYRACUSE	ACC NATIONAL TELECOM CORP.*																						
		AT&T LOCAL*																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		NORTHLAND NETWORKS																						
		TELEPORT COMM GROUP*																						
		TELERGY JOINT VENTURE																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	1	1	1	2	2	2	2	2	2	2	2	2	3	3	4	3	4	4	4
NORTH CAROLINA	*ASHEVILLE*	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		US LEC, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	3	3	3	3	3
	CHARLOTTE	ALLTEL COMMUNICATIONS, INC.																						
		AT&T LOCAL*																						
		BUSINESS TELECOM, INC.																						
		CTC EXCHANGE SERVICES, INC.																						
		FIBER SOUTH, INC.																						
		ICG TELECOM GROUP, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		INTERPATH COMMUNICATIONS, INC.																						
		ITC HOLDING CO.																						
		TELEPORT COMM GROUP*																						
		TIME WARNER COMMUNICATIONS, L.P.																						

Table 4.2
Local Service Competitors Indentified - Continued

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
NORTH CAROLINA	*CHARLOTTE (CONT'D)*	US LEC, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6	7	10	10	9	9	9	10
	FAYETTEVILLE	AT&T LOCAL*																						
		INTERPATH COMMUNICATIONS, INC.																						
		US LEC, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	3
	GREENSBORO	ALLTEL COMMUNICATIONS, INC.																						
		AT&T LOCAL*																						
		BUSINESS TELECOM, INC.																						
		INTERPATH COMMUNICATIONS, INC.																						
		ITC HOLDING CO.																						
		FIBER SOUTH, INC.																						
		KMC TELECOM CORP.																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		US LEC, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	3	5	5	5	5	6	8
	RALEIGH	ALLTEL COMMUNICATIONS, INC.																						
		AT&T LOCAL*																						
		BUSINESS TELECOM, INC.																						
		FIBER SOUTH, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		INTERPATH COMMUNICATIONS, INC.																						
		ITC HOLDING CO.																						
		MCIMETRO ATS, INC.**																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		US LEC, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	1	2	3	4	6	6	8	7	7	8	9	9
	ROCKY MOUNT	INTERPATH COMMUNICATIONS, INC.																						
		US LEC, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2
	WILMINGTON	AT&T LOCAL*																						
		BUSINESS TELECOM, INC.																						
		INTERPATH COMMUNICATIONS, INC.																						
		US LEC, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	4	4	4
NORTH DAKOTA	*BISMARK*	MCLEOD NETWORK SERVICES***																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	BRAINERD-FARGO	AT&T LOCAL*																						
		C-I COMMUNICATIONS, INC.																						
		ECLIPSE COMMUNICATIONS CORP.																						
		INFOTEL COMMUNICATIONS, L.L.C.																						
		OTTER TAIL TELCOM, L.L.C.																						
		TEKSTAR COMMUNICATIONS, INC.																						
		U.S. LINK, INC.																						
		WETEC																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4	7	7	6	7
OHIO	*AKRON*	AT&T LOCAL*																						
		FRONTIER LOCAL SERVICES, INC.																						
		ICG TELECOM GROUP, INC.																						
		NEXTLINK, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	3	3	4	4
	CINCINNATI	AT&T LOCAL*																						
		CINCINNATI BELL LONG DISTANCE, INC.																						
		FRONTIER LOCAL SERVICES, INC.																						
		ICG TELECOM GROUP, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		MCIMETRO ATS, INC.**																						
		TELEPORT COMM GROUP*																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	6	5	5	5	8
	CLEVELAND	AT&T LOCAL*																						
		CABLE LIGHTPATH, INC.																						
		FRONTIER LOCAL SERVICES, INC.																						
		ICG TELECOM GROUP, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		MCIMETRO ATS, INC.**																						
		NEXTLINK, INC.																						

Table 4.2
Local Service Competitors Indentified - Continued

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
OHIO	*CLEVELAND (CONT'D)*	TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	1	1	2	3	4	4	5	5	6	7	5	7	9	9
	COLUMBUS	AT&T LOCAL*																						
		FRONTIER LOCAL SERVICES, INC.																						
		ICG TELECOM GROUP, INC.																						
		NEXTLINK, INC.																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	3	5	5	5	5	6
	DAYTON	AT&T LOCAL*																						
		ICG TELECOM GROUP, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	2
	LIMA-MANSFIELD	*TOTAL LOCAL SERVICE COMPETITORS IN THE LATA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOLEDO	AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		BUCKEYE TELESYSTEM																						
		ICG TELECOM GROUP, INC.																						
		MCIMETRO ATS, INC.**																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	3	3	3	4	4	4
	YOUNGSTOWN	AT&T LOCAL*																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
OKLAHOMA	*OKLAHOMA CITY*	AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		COX COMMUNICATIONS, INC.																						
		DOBSON WIRELESS, INC.																						
		MCIMETRO ATS, INC.**																						
		PIONEER LONG DISTANCE, INC.																						
		SURE-TEL																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4	4	4	4	4	5	5	6
	TULSA	AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		DOBSON WIRELESS, INC.																						
		E.SPIRE COMMUNICATIONS, INC.																						
		MCIMETRO ATS, INC.**																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	3	3	4	4	4
OREGON	*EUGENE*	AT&T LOCAL*																					-	-
		RIO COMMUNICATIONS, INC.																		-	-	-	-	-
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2
	PORTLAND	AT&T LOCAL*																						
		ELECTRIC LIGHTWAVE, INC.																						
		FRONTIER LOCAL SERVICES, INC.																						
		GREAT WEST SERVICES, LTD.																						
		GST LIGHTWAVE, INC.																						
		MCIMETRO ATS, INC.**																						
		NORTH COUNTY COMMUNICATIONS CORP.																						
		NORTH SANTIAM COMMUNICATIONS																						
		OGC TELECOMM, LTD.																						
		TELEPORT COMM GROUP*																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	1	1	1	1	2	2	2	2	4	5	5	7	7	7	9	9	9	9
PENNSYLVANIA****	*ALTOONA*	AT&T LOCAL*																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	2
	ERIE	*TOTAL LOCAL SERVICE COMPETITORS IN THE LATA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	HARRISBURG	AT&T LOCAL*																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		NEXTLINK, INC.																						
		RCN TELECOM/COMMONWEALTH TELEPHONE																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	1	1	2	2	3	3	3	3	4	4	4	4	4
	PHILADELPHIA	AT&T LOCAL*																						
		ATX TELECOMMUNICATION SERVICES, LTD.																						
		CONECTIV COMMUNICATIONS, INC.																						

Table 4.2
Local Service Competitors Indentified - Continued

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
PENNSYLVANIA****	*PHILADELPHIA (CONT'D)*	CONESTOGA COMMUNICATIONS, INC.																						
		FOCAL COMMUNICATIONS CORP.																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		MCIMETRO ATS, INC.**																						
		NEXTLINK, INC.																						
		RCN TELECOM/COMMONWEALTH TELEPHONE																						
		SERVICE ELECTRIC TELEPHONE, INC.																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	1	2	4	4	4	5	6	9	11	11	12	12	13	13	13
	PITTSBURGH	AT&T LOCAL*																						
		ATX TELECOMMUNICATION SERVICES, LTD.																						
		FULL SERVICE COMPUTING CORP.																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		MCIMETRO ATS, INC.**																						
		PENN TELECOM, INC.																						
		TELEPORT COMM GROUP*																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	4	4	4	6	6	7	7
	SCRANTON	AT&T LOCAL*																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		NEXTLINK, INC.																						
		RCN TELECOM/COMMONWEALTH TELEPHONE																						
		SERVICE ELECTRIC TELEPHONE, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	3	4	4	5	5	5
RHODE ISLAND	*RHODE ISLAND*	AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		COX COMMUNICATIONS, INC.																						
		GLOBAL NAPS, INC.																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		MCIMETRO ATS, INC.**																						
		TELEPORT COMM GROUP*																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	3	3	3	4	4	3
SOUTH CAROLINA	*CHARLESTON*	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		NEW SOUTH COMMUNICATIONS, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	3
	COLUMBIA	AT&T LOCAL*																						
		BUSINESS TELECOM, INC.																						
		E.SPIRE COMMUNICATIONS, INC.																						
		ITC HOLDING CO.																						
		NEW SOUTH COMMUNICATIONS, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	3	4	4	5
	FLORENCE	AT&T LOCAL*																						
		ITC HOLDING CO.																						
		HTC COMMUNICATIONS, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	3	3	3
	GREENVILLE	AT&T LOCAL*																						
		BUSINESS TELECOM, INC.																						
		E.SPIRE COMMUNICATIONS, INC.																						
		ITC HOLDING CO.																						
		NEW SOUTH COMMUNICATIONS, L.L.C.																						
		OMNICALL, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	4	6	6	6	6
SOUTH DAKOTA	*SOUTH DAKOTA*	AT&T LOCAL*																						
		DAKOTA TELECOMMUNICATIONS, INC.***																						
		MCLEOD NETWORK SERVICES***																						
		MIDCO COMMUNICATIONS, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	3
TENNESSEE	*BRISTOL-JOHNSON CITY*	NA COMMUNICATIONS, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	CHATTANOOGA	AT&T LOCAL*																						
		TELEPORT COMM GROUP*																						

Table 4.2
Local Service Competitors Indentified - Continued

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
TENNESSEE	*CHATTANOOGA (CONT'D)*	US LEC, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	2	2	2
	KNOXVILLE	AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		MCIMETRO ATS, INC.**																						
		TELEPORT COMM GROUP*																						
		US LEC, L.L.C.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	4	3	3	3	3
	MEMPHIS	AT&T LOCAL*																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		MCIMETRO ATS, INC.**																						
		NEXTLINK, INC.																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		US LEC, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	1	2	3	3	3	3	4	5	6	6	6	6	6
	NASHVILLE	AT&T LOCAL*																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		ICG TELECOM GROUP, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		NEW SOUTH COMMUNICATIONS, L.L.C.																						
		NEXTLINK, INC.																						
		TELEPORT COMM GROUP*																						
		US LEC, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	1	2	2	2	2	4	4	5	6	7	6	7	7	7
TEXAS	*ABILENE*	GOLDEN HARBOR, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	AMARILLO	DOBSON WIRELESS, INC.																						
		GOLDEN HARBOR, INC.																						
		W.T. SERVICES, INC.																						
		XIT TELECOMMUNICATION & TECHNOLOGY, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	3	4	4	4
	AUSTIN	AT&T LOCAL*																						
		AUSTIN BESTLINE CO.																						
		BROOKS FIBER PROPERTIES, INC.**																						
		DOBSON WIRELESS, INC.																						
		E.SPIRE COMMUNICATIONS, INC.																						
		GOLDEN HARBOR, INC.																						
		ICG TELECOM GROUP, INC.																						
		MCIMETRO ATS, INC.**																						
		MULTITECHNOLOGY SERVICES, L.P.																						
		TAYLOR COMMUNICATIONS GROUP, INC.																						
		TELIGENT, INC.																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		US LONG DISTANCE, INC.																						
		WESTEL, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	1	1	3	3	6	9	9	11	12	13	13	13
	BEAUMONT	AT&T LOCAL*																						
		GOLDEN HARBOR, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2
	BROWNSVILLE	GOLDEN HARBOR, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	CORPUS CHRISTI	AT&T LOCAL*																						
		GOLDEN HARBOR, INC.																						
		ICG TELECOM GROUP, INC.																						
		IWL COMMUNICATIONS, INC.																						
		KMC TELECOM CORP.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	4	4	4	5
	DALLAS	ALLEGIANCE TELECOM, INC.																						
		AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		COSERV, L.L.C.																						
		DOBSON WIRELESS, INC.																						
		E.SPIRE COMMUNICATIONS, INC.																						
		FIBER WAVE TELECOM, INC.																						
		FRONTIER LOCAL SERVICES, INC.																						
		GOLDEN HARBOR, INC.																						

Table 4.2
Local Service Competitors Indentified - Continued

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
TEXAS	*DALLAS (CONT'D)*	GREAT WEST SERVICES, LTD.																						
		GST LIGHTWAVE, INC.																						
		ICG TELECOM GROUP, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		MCIMETRO ATS, INC.**																						
		MULTITECHNOLOGY SERVICES, L.P.																						
		NEXTLINK, INC.																						
		NORTEX TELCOM, L.L.C.																						
		OPTEL TEXAS TELECOM, INC.																						
		SOUTHWESTERN BELL TELEPHONE CO.																						
		TAYLOR COMMUNICATIONS GROUP, INC.																						
		TCI TELEPHONY SERVICES*																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		US LONG DISTANCE, INC.																						
		WESTEL, INC.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	1	2	2	2	3	7	10	12	14	16	20	22	25	24	24
	EL PASO	AT&T LOCAL*																						
		E.SPIRE COMMUNICATIONS, INC.																						
		GOLDEN HARBOR, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	3	3	3	3
	HEARNE	GOLDEN HARBOR, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	HOUSTON	ALLEGIANCE TELECOM, INC.																						
		AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		CYPRESS TELECOMMUNICATIONS CORP.																						
		DOBSON WIRELESS, INC.																						
		FRONTIER LOCAL SERVICES, INC.																						
		GOLDEN HARBOR, INC.																						
		GST LIGHTWAVE, INC.																						
		ICG TELECOM GROUP, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		IWL COMMUNICATIONS, INC.																						
		KINGSGATE TEL, INC.																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		MCIMETRO ATS, INC.**																						
		NEXTLINK, INC.																						
		OPTEL TEXAS TELECOM, INC.																						
		TAYLOR COMMUNICATIONS GROUP, INC.																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		US LONG DISTANCE, INC.																						
		WESTEL, INC.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	1	2	3	3	2	3	4	10	13	13	13	16	19	19	19
	LONGVIEW	AT&T LOCAL*																						
		GOLDEN HARBOR, INC.																						
		KMC TELECOM CORP.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	3
	LUBBOCK	DOBSON WIRELESS, INC.																						
		GOLDEN HARBOR, INC.																						
		POKA LAMBRO TELEPHONE																						
		TECH TELEPHONE COMPANY, LTD.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	4	4
	MIDLAND	GOLDEN HARBOR, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	SAN ANGELO	GOLDEN HARBOR, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	SAN ANTONIO	AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		DOBSON WIRELESS, INC.																						
		E.SPIRE COMMUNICATIONS, INC.																						

Table 4.2
Local Service Competitors Indentified - Continued

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
TEXAS	*SAN ANTONIO (CONT'D)*	FIBRCOM, INC.																						
		GOLDEN HARBOR, INC.																						
		ICG TELECOM GROUP, INC.																						
		MCIMETRO ATS, INC.**																						
		MULTITECHNOLOGY SERVICES, L.P.																						
		TAYLOR COMMUNICATIONS GROUP, INC.																						
		TELIGENT, INC.																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		US LONG DISTANCE, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	8	10	11	10	11	11	11
	WACO	AT&T LOCAL*																						
		GOLDEN HARBOR, INC.																						
		PACIFIC BELL																						
		US LONG DISTANCE, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	3	2	3
	WITCHITA FALLS	GOLDEN HARBOR, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
UTAH	*NAVAJO TERRITORY*	*TOTAL LOCAL SERVICE COMPETITORS IN THE LATA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	UTAH	AT&T LOCAL*																						
		BROOKS FIBER PROPERTIES, INC.**																						
		ELECTRIC LIGHTWAVE, INC.																						
		MCIMETRO ATS, INC.**																						
		NEXTLINK, INC.																						
		PHOENIX FIBERLINK																						
		TELEPORT COMM GROUP*																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	1	1	3	3	3	3	3	3	4	4	4	4	4
VERMONT	*VERMONT*	AT&T LOCAL*																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2
VIRGINIA	*CHARLOTTESVILLE*	CFW NETWORK, INC.																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2
	CULPEPER	AT&T LOCAL*																						
		CFW NETWORK, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
	EDINBURG	*TOTAL LOCAL SERVICE COMPETITORS IN THE LATA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	HARRISONBURG	CFW NETWORK, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	LYNCHBURG	AT&T LOCAL*																						
		CFW NETWORK, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2
	NORFOLK	AT&T LOCAL*																						
		COX COMMUNICATIONS, INC.																						
		HYPERION TELECOMMUNICATIONS, INC.																						
		US LEC, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	3	4
	RICHMOND	AT&T LOCAL*																						
		CCI TELECOMMUNICATIONS, INC.																						
		COX COMMUNICATIONS, INC.																						
		MEDIAONE, INC.																						
		TELIGENT, INC.																						
		US LEC, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	4	4	4	4	5
	ROANOKE	AT&T LOCAL*																						
		CFW NETWORK, INC.																						
		R & B COMMUNICATIONS																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	3	3	3
WASHINGTON	*SEATTLE*	AT&T LOCAL*																						
		ELECTRIC LIGHTWAVE, INC.																						
		FRONTIER LOCAL SERVICES, INC.																						
		GREAT WEST SERVICES, LTD.																						
		GST LIGHTWAVE, INC.																						
		GTE, INC.																						
		INTERNATIONAL TELECOM, LTD.																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		MARATHON METRO, INC.																						

Table 4.2
Local Service Competitors Indentified - Continued

STATE	LATA	COMPANY	1994 Q1	1994 Q2	1994 Q3	1994 Q4	1995 Q1	1995 Q2	1995 Q3	1995 Q4	1996 Q1	1996 Q2	1996 Q3	1996 Q4	1997 Q1	1997 Q2	1997 Q3	1997 Q4	1998 Q1	1998 Q2	1998 Q3	1998 Q4	1999 Q1	1999 Q2
			QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
WASHINGTON	*SEATTLE (CONT'D)*	MCIMETRO ATS, INC.**																						
		NEXTLINK, INC.																						
		RAINIER CABLE, INC.																						
		TELEPORT COMM GROUP*																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		WORLDCOM TECHNOLOGIES, INC.**																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	2	2	3	3	4	4	4	4	5	5	5	7	7	9	10	11	11	12	12	12
	SPOKANE	AT&T LOCAL*																						
		ELECTRIC LIGHTWAVE, INC.																						
		GST LIGHTWAVE, INC.																						
		NEXTLINK, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	4	4	4	4	4
WEST VIRGINIA	*BLUEFIELD*	*TOTAL LOCAL SERVICE COMPETITORS IN THE LATA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CHARLESTON	AT&T LOCAL*																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	CLARKSBURG	AT&T LOCAL*																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
WISCONSIN	*EAU CLAIRE*	AT&T LOCAL*																						
		CHEQUAMEGON TELECOMMUNICATIONS COMP.																						
		CTC COMMUNICATIONS, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	3
	GREEN BAY	AT&T LOCAL*																						
		BAYLAND COMMUNICATIONS, INC.																						
		TDS METROCOM, INC.																						
		US XCHANGE, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	3	4	4
	MADISON	AT&T LOCAL*																						
		KMC TELECOM CORP.																						
		MID-PLAINS COMMUNICATIONS SYSTEMS, INC.																						
		TDS METROCOM, INC.																						
		US XCHANGE, L.L.C.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	4	5	5	5
	MILWAUKEE	AT&T LOCAL*																						
		MCIMETRO ATS, INC.**																						
		MCLEOD NETWORK SERVICES***																						
		OVATION COMMUNICATIONS, INC.***																						
		SHARON TELEPHONE CO.																						
		TELEPORT COMM GROUP*																						
		TELIGENT, INC.																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		US XCHANGE, L.L.C.																						
		WINSTAR TELECOMMUNICATIONS, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	1	1	1	2	2	2	2	2	2	3	4	4	4	6	6	7	8	8	8
WYOMING	*WYOMING*	AT&T LOCAL*																						
		TRI TEL, INC.																						
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2
TOTAL LATA MARKETS*****			0	2	8	21	29	34	46	56	78	113	156	182	224	292	367	451	511	616	654	768	812	871
TOTAL NATIONWIDE (UNDUPLICATED)			0	2	5	8	10	11	12	13	15	20	27	31	41	53	72	90	95	112	141	150	153	158

* ACC National Telecom Corp. and Teleport Comm Group merged April 22, 1998. The combined company, Teleport Comm Group, merged with AT&T Local July 23, 1998. AT&T Local merged with TCI Telephony Services March 9, 1999.

** Brooks Fiber Properties, Inc. merged with WorldComTechnologies, Inc. January 30, 1998. The combined company, Worldcom Technologies, Inc. merged with MCIMetro ATS, Inc. September 14, 1998.

*** Ovation Communications, Inc. merged with Phone Michigan in October of 1998. McLeod Network Services merged both with the combined company Ovation Communications, Inc. and Dakota Telecommunications, Inc. in March of 1999.

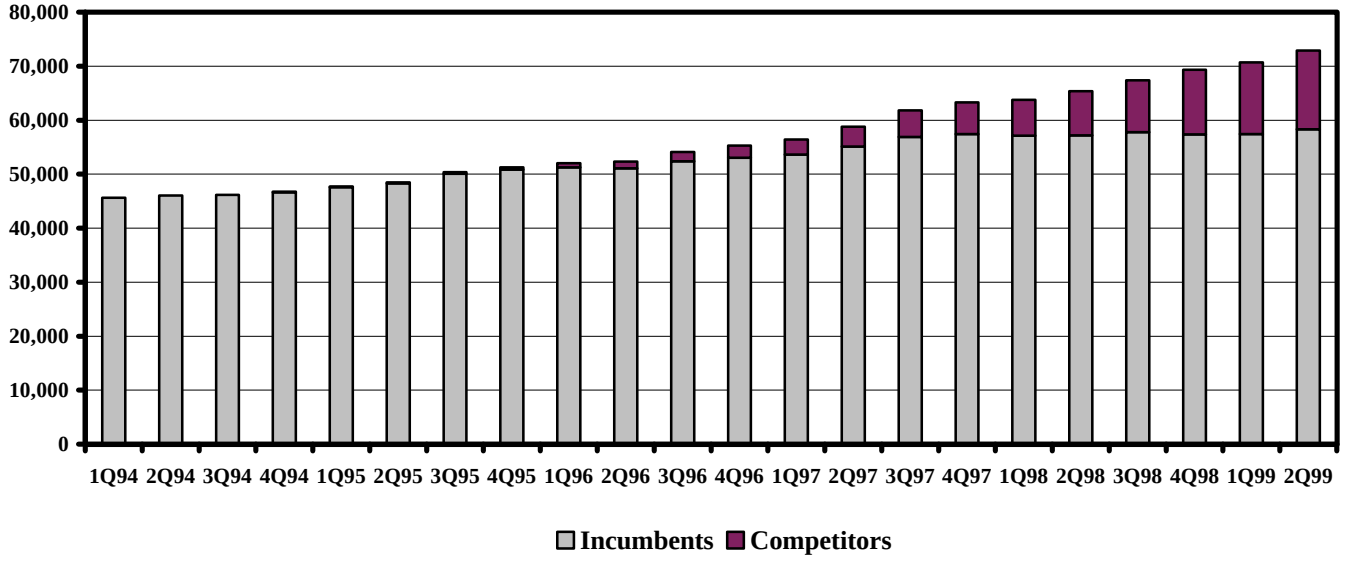
**** Delaware resides entirely within the Philadelphia LATA. Therefore, competitors holding codes in the Philadelphia LATA are included in both Pennsylvania and Delaware figures.

***** Local service competitors are counted once for each LATA where they hold numbering codes.

Table 4.3
Numbering Codes Assigned to Local Exchange Carriers

		NUMBER OF CODES ASSIGNED IN BLOCKS OF 10,000 (QUARTER ENDING)			SHARE OF CODES ASSIGNED (QUARTER ENDING)	
		INCUMBENTS	COMPETITORS	TOTAL	INCUMBENTS	COMPETITORS
1994	FIRST QUARTER	45,627	0	45,627	100 %	0 %
	SECOND QUARTER	46,026	4	46,030	100	0
	THIRD QUARTER	46,161	27	46,188	100	0
	FOURTH QUARTER	46,609	58	46,667	100	0
1995	FIRST QUARTER	47,590	113	47,703	100	0
	SECOND QUARTER	48,301	154	48,455	100	0
	THIRD QUARTER	50,083	301	50,384	99	1
	FOURTH QUARTER	50,835	401	51,236	99	1
1996	FIRST QUARTER	51,270	760	52,030	99	1
	SECOND QUARTER	51,099	1,213	52,312	98	2
	THIRD QUARTER	52,363	1,736	54,099	97	3
	FOURTH QUARTER	53,013	2,279	55,292	96	4
1997	FIRST QUARTER	53,655	2,732	56,387	95	5
	SECOND QUARTER	55,130	3,665	58,795	94	6
	THIRD QUARTER	56,891	4,910	61,801	92	8
	FOURTH QUARTER	57,428	5,855	63,283	91	9
1998	FIRST QUARTER	57,123	6,661	63,784	90	10
	SECOND QUARTER	57,194	8,194	65,388	87	13
	THIRD QUARTER	57,772	9,635	67,407	86	14
	FOURTH QUARTER	57,339	12,014	69,353	83	17
1999	FIRST QUARTER	57,411	13,296	70,707	81	19
	SECOND QUARTER	58,312	14,602	72,914	80	20

Chart 4.3
Numbering Codes Issued to Local Exchange Carriers



V. TELEPHONE NUMBERS TRANSFERRED AMONG CARRIERS

The Local Number Portability Company, currently Lockheed Martin IMS, recently began providing to the Commission data on actively "ported" telephone numbers. As of May 31, 1999, nearly 1.8 million telephone numbers had been ported from one local telephone switch to another.

Telephone numbers are transferred between local switches for a variety of reasons. Some telephone numbers are ported from one carrier to another as part of a telephone number conservation measure known as number pooling. Quantities of telephone numbers "pooled" are presented in the first set of columns in Table 5.1 Telephone numbers are also ported between carriers for other reasons including, in particular, accommodating customers who switch local telephone service providers and wish to keep their same telephone numbers. Quantities of telephone numbers transferred between LECs for reasons other than pooling are presented in the second set of columns in Table 5.1. More than 1.5 million such telephone numbers had been transferred by the end of May. Finally, carriers sometimes port numbers to themselves, presumably to improve the utilization of telephone numbers assigned to their local telephone switches. These data are presented in the third set of columns in Table 5.1.

In the future, we plan to evaluate in greater detail data on telephone numbers transferred between LECs. The number of telephone numbers ported from ILECs to CLECs should, for example, provide an indication of CLEC use of ILEC UNE loops, although, for a variety of reasons, the cumulative number of telephone numbers ported between LECs will not necessarily equal the number of UNE loops in service.

For example, when telephone numbers are transferred between carriers for the purpose of number pooling, there generally are not specific customers waiting to use those numbers. Instead, the receiving LEC expects to use some of the transferred telephone numbers to provide service to customers in the future. When telephone numbers are transferred between LECs for reasons other than number pooling (including, in particular, when customers switch local service providers but wish to retain their telephone numbers), the quantity of telephone numbers that are ported will not necessarily equal (and will, indeed, generally be less than) the quantity of UNE loops in use by other LECs because: (1) CLECs can install their own access lines and associate ported telephone numbers with such lines; and (2) some CLEC customers may use PBXs, in which case more than one (ported) telephone number may be associated with an individual access line served over a UNE loop. Also, a particular CLEC customer that is served by means of a UNE loop may be willing to accept a new telephone number that was originally assigned to the CLEC's own local switch, in which case no ported telephone number would be associated with that customer.

Nevertheless, the quantity of telephone numbers ported between carriers for reasons other than number pooling should be positively correlated with the number of UNE loops in service. Local number portability data will therefore be a useful indicator of the pace of development of at least one form of local competition.

Table 5.1
Telephone Numbers Transferred

		Transferred Between Carriers				Transferred Within Same Carrier		
		Pooling		Other Reasons				
Year	Month	Numbers Ported	Cumulative	Numbers Ported	Cumulative	Numbers Ported	Cumulative	Cumulative Total
1997	December	0	0	80	80	0	0	80
1998	January	0	0	202	282	0	0	282
	February	0	0	11	293	0	0	293
	March	0	0	231	524	13	13	537
	April	0	0	567	1,091	16	29	1,120
	May	0	0	2,031	3,122	20	49	3,171
	June	0	0	5,485	8,607	28	77	8,684
	July	761	761	15,245	23,852	805	882	25,495
	August	2,192	2,953	31,052	54,904	2,217	3,099	60,956
	September	1,000	3,953	38,170	93,074	2,705	5,804	102,831
	October	1,000	4,953	105,331	198,405	4,189	9,993	213,351
	November	0	4,953	115,877	314,282	13,107	23,100	342,335
	December	2,947	7,900	152,230	466,512	22,506	45,606	520,018
1999	January	8,041	15,941	164,874	631,386	7,689	53,295	700,622
	February	4,000	19,941	189,944	821,330	7,387	60,682	901,953
	March	45,000	64,941	223,045	1,044,375	9,237	69,919	1,179,235
	April	90,994	155,935	237,506	1,281,881	11,298	81,217	1,519,033
	May	6,962	162,897	245,893	1,527,774	17,481	98,698	1,789,369

Source: Local Number Portability Administrator (Lockheed Martin IMS).

[Note to electronic version: This page intentionally not numbered and left blank.]

VI. NEW ENTRANT LOCATOR INFORMATION

This section contains lists of names, mailing addresses, and telephone numbers for those carriers competing in the local market[35] that had filed a 1999 Telecommunications Relay Service Worksheet or a 1999 Universal Service Fund Worksheet as of June 28, 1999. The information reported is for the year ended December 31, 1998 and should include all relevant carriers that were active in 1998. Carriers starting business in 1999 will not appear in this section, however.

Table 6.1 lists carriers that identified themselves as either CAPs or CLECs. Table 6.2 lists those carriers that identified themselves as local resellers or other local carriers.

Some carriers that provide local service are not listed in Table 6.1 or Table 6.2 because they did not indicate local service to be their primary business. Some such carriers are identified in Table 6.3. Table 6.3 lists interexchange carriers and toll resellers that reported basic local service revenues.

[35] Information comparable to the information presented in this section, but for all telecommunications carriers, is published annually. *See* Common Carrier Bureau, Industry Analysis Division, *Carrier Locator*, Jan. 1999.

[Note to electronic version: This page intentionally not numbered and left blank.]

Table 6.1
Competitive Access Providers and Competitive Local Exchange Carriers
Filing 1999 TRS and USF Worksheets

HOLDING COMPANY NAME OF REPORTING CARRIER	HEADQUARTERS ADDRESS	CITY	ST	ZIP CODE	TEL. NO.
Adelphia Communications Corporation					
Hyperion Telecommunications, Inc.					
Allegheny Hyperion Telecommunications, Inc.	Main at Water St	Coudersport	PA	16915	814-274-6215
Baker Creek Communications LP	Main at Water St	Coudersport	PA	16915	814-274-6215
Entergy Hyperion Telecommunications of Arkansas LLC	Main at Water St.	Coudersport	PA	16915	814-274-6215
Entergy Hyperion Telecommunications of Louisianna LLC	Main at Water St.	Coudersport	PA	16915	814-274-6215
Entergy Hyperion Telecommunications of Mississippi, LLC	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Communications of Alabama, LLC	Main at Water St.	Coudersport	PA	16915	814-274-6946
Hyperion Communications of Connecticut, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-6946
Hyperion Communications of Delaware, LLC	Main at Water St.	Coudersport	PA	16915	814-274-6946
Hyperion Communications of Eastern New York, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-6946
Hyperion Communications of Florida, LLC	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Communications of Georgia, LLC	Main at Water St.	Coudersport	PA	16915	814-274-6946
Hyperion Communications of Indiana, LP	Main at Water St.	Coudersport	PA	16915	814-274-6946
Hyperion Communications of Maryland, LLC	Main at Water St.	Coudersport	PA	16915	814-274-6946
Hyperion Communications of Mississippi, LP	Main at Water St.	Coudersport	PA	16915	814-274-6946
Hyperion Communications of Nashville, LP	Main at Water St.	Coudersport	PA	16915	814-274-6946
Hyperion Communications of New Hampshire, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-6946
Hyperion Communications of New Jersey, LLC	Main at Water St.	Coudersport	PA	16915	814-274-6946
Hyperion Communications of North Carolina, LP	Main at Water St.	Coudersport	PA	16915	814-274-6946
Hyperion Communications of PA, LLC	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Communications of Rhode Island	Main at Water St.	Coudersport	PA	16915	814-274-6946
Hyperion Communications of Tennessee, LP	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Communications of Texas, LP	Main at Water St.	Coudersport	PA	16915	814-274-6946
Hyperion Communications of Virginia, LLC	Main at Water St.	Coudersport	PA	16915	814-274-6946
Hyperion Communications of West Virginia, LLC	Main at Water St.	Coudersport	PA	16915	814-274-6946
Hyperion Susquehana Telecommunications	Main at Water St.	Coudersport	PA	16915	814-274-6946
Hyperion Telecommuncations, Inc.	Main at Water St.	Coudersport	PA	16915	717-506-1600
Hyperion Telecommunications of Albany, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Telecommunications of Arkansas, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Telecommunications of Buffalo, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-9830
Hyperion Telecommunications of Central New Jersey, Inc	Main at Water St.	Coudersport	PA	16915	732-981-9202
Hyperion Telecommunications of Coudersport, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Telecommunications of Florida, Inc.	Main at Water St.	Coudersport	PA	16915	904-619-3390
Hyperion Telecommunications of Harrisburg, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-9830
Hyperion Telecommunications of Kansas, Inc	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Telecommunications of Kentucky, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Telecommunications of Lexington, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-9830
Hyperion Telecommunications of Louisiana, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Telecommunications of Louisville, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-9830
Hyperion Telecommunications of Massachusetts, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Telecommunications of Michigan, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Telecommunications of Mississippi	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Telecommunications of New Jersey, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-9830
Hyperion Telecommunications of New York, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Telecommunications of North Carolina, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Telecommunications of Ohio, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Telecommunications of Pennsylvania, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-6946
Hyperion Telecommunications of Pittsburgh	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Telecommunications of Scranton, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Telecommunications of South Carolina, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-6215
Hyperion Telecommunications of Syracuse, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-9830
Hyperion Telecommunications of Vermont	Main at Water St.	Coudersport	PA	16915	814-274-9830
Hyperion Telecommunications of Virginia, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-9830
PECO Hyperion Telecommunications	Main at Water St	Couldersport	PA	16915	814-274-9830
Centennial Cellular					
Hyperion of Tennessee, L.P.	Main at Water St.	Coudersport	PA	16915	814-274-9830
Multimedia Hyperion Telecommunications	Main at Water St.	Coudersport	PA	16915	814-274-9830

Table 6.1
Competitive Access Providers and Competitive Local Exchange Carriers
Filing 1999 TRS and USF Worksheets

HOLDING COMPANY NAME OF REPORTING CARRIER	HEADQUARTERS ADDRESS	CITY	ST	ZIP CODE	TEL. NO.
Advanced TelCom Group, Inc.	885 N. San Antonio Rd., Suite R	Los Altos	CA	94022	650-559-8900
Aliant Communications, Inc					
Aliant Midwest, Inc.	P.O. Box 81309	Lincoln	NE	68501-1309	402-827-4444
Allegiance Telecom, Inc.	1950 Stemmons Freeway, Suite 3026	Dallas	TX	75207-3118	800-553-1989
Alltel Corporation					
360 Comms. Co. of Ft. Walton Beach Ltd Partnership	One Allied Drive IV N4E LR E	Little Rock	AR	72202	501-905-8000
AT&T					
ACC Corp.					
ACC National Telecom Corp.	400 West Ave.	Rochester	NY	14611	800-456-6000
TCI Wireline, Inc.					
TCI Telephony Services of Connecticut, Inc	5619 DTC Parkway	Englewood	CO	80111	303-824-3663
TCI Telephony Services of Illinois, Inc	5619 DTC Parkway	Englewood	CO	80111	303-824-3663
Teleport Communications Group, Inc.	Two Teleport Dr.	Staten Island	NY	10311	718-355-5966
Avista Fiber	159 S. Lincoln, Suite 211	Spokane	WA	99201	509-495-8779
Birch Telecom Inc.					
Birch Telecom of Kansas, Inc.	1420 C of E Dr., P.O. Box 972	Emporia	KS	66801	316-343-7071
Blade Communications, Inc.					
Buckeye TeleSystem, Inc.	5566 Southwyck Blvd.	Toledo	OH	43614	419-724-9881
Toledo Area Telecommunications, Inc.	5566 Southwyck Blvd.	Toledo	OH	43614	419-724-9881
Broad Span Communications, Inc.	11756 Borman Dr., Sutie 101	St Louis	MO	63146-4133	314-240-0000
BTC Holdings, Inc.					
Blackfoot Communications	1221 Norh Russell Street, Box 16568	Missoula	MT	59808-6568	406-541-2121
Montana Wireless, Inc.	1221 North Russell St., P.O. Box 16568	Missoula	MT	59808-6568	406-541-5228
C S W/ICG Choice Com L.P.	11902 Burnet Rd., Suite 100	Austin	TX	78758	512-491-3800
Cablevision Lightpath	1111 Stewart Avenue	Beth page	NY	117143-581	516-803-1485
Cambridge Telecom Services, Inc.	111 East First Street	Geneseo	IL	61254	309-944-2103
Celluar Communications of Puerto Rico, Inc.					
CCPR Telecommunications	P.O. Box 192830	San Juan	PR	00919-2830	787-397-5000
Chibardun Telephone Cooperative, Inc.					
CTC Communications, Inc.	110 North Second Street, Box 164	Dallas	WI	54733	715-837-1011
Chickasaw Holding Company					
Chickasaw Telecommunications Services, Inc.	5 North McCormick	Oklahoma City	OK	73127	405-946-1200
Sure-Tel, Inc.	5 North McCormick	Oklahoma City	OK	73127	405-942-1177
Choice Communications, Inc.					
Choice One Communications of New York, Inc.	100 Chestnut Street, Suite 700	Rochester	NY	14604-2417	800-832-5801
Choice One Communications of Pennsylvania, Inc.	100 Chestnut Street, Suite 700	Rochester	NY	14604-2417	800-832-5801
Columbia Telecommunications Inc.	11823 Marketplace	Baton Rouge	LA	70816-6014	225-297-2500
Comcast Corporation					
MH Lightnet, Inc.	800 Rahway Ave.	Union	NJ	07083	908-851-8900
Comcast Telephony Communications Holdings, Inc.					
Comcast MH Telephony Communications of FL, Inc.	1500 Market St.	Philadelphia	PA	19102-2148	800-207-2609
Comcast Telephony Communications of FL	1500 Market St.	Philadelphia	PA	19102-2148	800-207-2609
Comcast Telephony Communications of Maryland, Inc.	1500 Market St.	Philadelphia	PA	19102-2148	800-207-2609
Commonwealth Telephone Enterprises					
Commonwealth Telecom Services, Inc.	100 CTE Dr.	Dallas	PA	18612-9774	888-278-8783
CTSI, Inc.	100 CTE Dr.	Dallas	PA	18612	888-278-8783
Conectiv, Inc.					
Conectiv Communications, Inc.	800 King St., P.O. Box 231	Wilmington	DE	19899-0231	888-850-4600

Table 6.1
Competitive Access Providers and Competitive Local Exchange Carriers
Filing 1999 TRS and USF Worksheets

HOLDING COMPANY NAME OF REPORTING CARRIER	HEADQUARTERS ADDRESS	CITY	ST	ZIP CODE	TEL. NO.
Consolidated Communications Networks, Inc.	P.O. Box 1408	Dickinson	ND	58602-1408	701-483-4000
Consolidated Telcom, Inc.	P.O. Box 1408	Dickinson	ND	58602-1408	701-483-4000
CoreComm Newco, Inc.	450 W. Wilson Bridge Rd., Suite 100	Worthington	OH	43085	877-267-3266
Covad Communications Group, Inc.					
Covad Communications Company	2330 Central Expressway	Santa Clara	CA	95050	408-490-4544
CoxCom, Inc.					
Cox Arizona Telcom II, LLC	1400 Lake Hearn Dr.	Atlanta	Ga	30319	602-866-0722
Cox California Telcom, Inc.	1400 Lake Hearn Dr.	Atlanta	GA	30319	619-715-4510
Cox Connecticut Telcom, LLC	1400 Lake Hearn Dr.	Atlanta	GA	30319	401-821-1919
Cox Fibernet Oklahoma, LLC	1400 Lake Hearn Dr.	Atlanta	GA	30319	404-843-5057
Cox Florida Telcom, L.P.	1400 Lake Hearn Dr.	Atlanta	GA	30319	404-843-5057
Cox Georgia Telcom, LLC	1400 Lake Hearn Dr.	Atlanta	GA	30319	912-784-8000
Cox Iowa Telcom, LLC	1400 Lake Hearn Dr.	Atlanta	GA	30319	402-330-2314
Cox Louisiana Telecom II, LLC	1400 Lake Hearn Dr.	Atlanta	GA	30319	504-734-7345
Cox Nebraska Telcom, II LLC	1400 Lake Hearn Dr.	Atlanta	GA	30319	402-330-2314
Cox Nevada Telcom, LLC	1400 Lake Hearn Dr.	Atlanta	GA	30319	702-384-8084
Cox Oklahoma Telcom, LLC	1400 Lake Hearn Dr.	Atlanta	GA	30319	405-600-6261
Cox Rhode Island Telcom, LLC	1400 Lake Hearn Dr.	Atlanta	GA	30319	401-821-1919
Cox Texas Telcom, LP	1400 Lake Hearn Dr.	Atlanta	GA	30319	806-793-2222
Cox Virginia Telcom, Inc.	1400 Lake Hearn Dr.	Atlanta	GA	30319	757-222-8460
TWC Cable Partners	1400 Lake Hearn Dr.	Atlanta	GA	30319	850-478-0200
CRJ Communications Inc.	P.O. Box 1566	Bozeman	MT	59771-1566	406-586-4990
CT Communications, Inc.					
CTC Exchange Services, Inc.	P.O. Box 227	Concord	NC	28026-0227	704-722-2000
Diversified Communications, Inc.	P.O. Box 4	Maxwell	IN	46154	317-326-8007
DTI Holdings, Inc.					
Digital Teleport, Inc.	8112 Maryland Avenue, 4th Floor	St. Louis	MO	63105	314-880-1000
e.spire Communications, Inc.					
ACSI Local Switched Services, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	301-361-4203
American Communication Services of Albuquerque, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communication Services of Amarillo, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communication Services of Atlanta, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	301-361-4203
American Communication Services of Baton Rouge, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	301-361-4203
American Communication Services of Birmingham, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communication Services of Charleston, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communication Services of Chattanooga, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	301-361-4203
American Communication Services of Colorado Springs, I	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	301-361-4203
American Communication Services of Columbia, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communication Services of Columbus, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communication Services of El Paso, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communication Services of Fort Worth, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communication Services of Greenville, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communication Services of Irving, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communication Services of Jacksonville, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	301-361-4203
American Communication Services of Jackson, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communication Services of Kansas City, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	301-361-4203
American Communication Services of Knoxville, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	301-361-4203
American Communication Services of Las Vegas, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communication Services of Lexington, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communication Services of Little Rock, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communication Services of Louisiana, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	301-361-4203
American Communication Services of Louisville, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	301-361-4200
American Communication Services of Maryland, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communication Services of Mobile, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communication Services of Montgomery, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communication Services of Pima County, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274

Table 6.1
Competitive Access Providers and Competitive Local Exchange Carriers Filing 1999 TRS and USF Worksheets

HOLDING COMPANY / NAME OF REPORTING CARRIER	HEADQUARTERS ADDRESS	CITY	ST	ZIP CODE	TEL. NO.
American Communication Services of Shreveport, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	301-361-4203
American Communication Services of Spartanburg, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communication Services of Tulsa, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	301-361-4203
American Communication Services of Virginia, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	301-361-4203
Eclipse Communications Corporation	3650 131st Ave., S.E., #400	Bellevue	WA	98006	425-586-8700
Electric Lightwave, Inc.	4400 N.E. 77th Avenue	Vancouver	WA	98662-6706	800-354-2780
F & S Fiber Systems LLC	P.O. Box 2299, 1722 1st. Ave.	Scottsbluff	NE	69363-2299	308-635-1131
Fail Telecommunications Corporations					
Diamond Telephone Services, Inc.	Po Box 922	Bay Springs	MS	39422	601-764-3463
Fairpoint Communications Corp.	P.O. Box 199, 908 W. Frontview	Dodge City	KS	67801	316-227-4400
Farmers Mutual Technologies, Inc.	P.O. Box 368	Bellingham	MN	56212	320-568-2105
FirstWorld Communications, Inc.	7100 E. Belleview Ave., Suite 210	Greenwood	CO	80111	
Focal Communication Corp.					
Focal Communications Corporation of California	200 N LaSalle St.	Chicago	IL	60601	312-995-8272
Focal Communications Corporation of Florida	200 N LaSalle St.	Chicago	IL	60601	312-995-8272
Focal Communications Corporation of Illinois	200 N. LaSalle St., Suite 1100	Chicago	IL	60601	312-895-8400
Focal Communications Corporation of Massachusetts	200 N LaSalle St.	Chicago	IL	60601	312-995-8272
Focal Communications Corporation of Michigan	200 N LaSalle St.	Chicago	IL	60601	312-995-8272
Focal Communications Corporation of New Jersey	200 N LaSalle St.	Chicago	IL	60601	312-995-8272
Focal Communications Corporation of New York	200 N. LaSalle St., Suite 1100	Chicago	IL	60601	312-895-8400
Focal Communications Corporation of Pennsylvania	200 N LaSalle St.	Chicago	IL	60601	312-995-8272
Focal Communications Corporation of the Mid-Atlantic	200 N LaSalle St.	Chicago	IL	60601	312-995-8272
Focal Communications Corporation of Virginia	200 N LaSalle St.	Chicago	IL	60601	312-995-8272
Focal Communications Corporation of Washington	200 N LaSalle St.	Chicago	IL	60601	312-995-8272
Freedom Ring Communications, LLC	P.O. Box 577	Farmington	NH	03835	603-859-9991
Frontier Corporation					
Frontier Local Services, Inc.	180 S. Clinton Ave.	Rochester	NY	14646	800-836-8080
Frontier Telemanagement, Inc.	180 S. Clinton Ave.	Rochester	NY	14646	800-236-1009
Genesis Communications International, Inc.	11995 El Camino Real, #102	San Diego	CA	92130	800-705-3500
GST Telecommunications, Inc.					
GST Net (AZ), Inc.	4001 Main St.	Vancouver	WA	98663-1896	360-356-7100
GST Pacific Lightwave, Inc.	4001 Main St.	Vancouver	WA	98663-1896	360-356-7100
GST Telecom Arizona, Inc.	4001 Main St.	Vancouver	WA	98663-1896	360-356-7100
GST Telecom California, Inc.	4001 Main St.	Vancouver	WA	98663-1896	360-356-7100
GST Telecom Colorado, Inc.	4317 NE Thurston Way	Vancouver	WA	98662	360-356-7100
GST Telecom Hawaii, Inc.	4001 Main St.	Vancouver	WA	98663-1896	360-356-7100
GST Telecom Idaho, Inc.	4001 Main St.	Vancouver	WA	98663-1896	360-356-7100
GST Telecom Micronesia, Inc.	4001 Main St.	Vancouver	WA	98663-1896	360-356-7100
GST Telecom Nevada, Inc.	4001 Main St.	Vancouver	WA	98663-1896	360-356-7100
GST Telecom New Mexico, Inc.	4001 Main St.	Vancouver	WA	98663-1896	360-356-7100
GST Telecom Oregon, Inc.	4001 Main St.	Vancouver	WA	98663-1896	360-356-7100
GST Telecom Texas, Inc.	4001 Main St.	Vancouver	WA	98663-1896	360-356-7100
GST Telecom Utah, Inc.	4001 Main St.	Vancouver	WA	98663-1896	360-356-7100
GST Telecom Washington, Inc.	4001 Main St.	Vancouver	WA	98663-1896	360-356-7100
GST Telecom, Inc.	4001 Main St.	Vancouver	WA	98663-1896	360-356-7100
GST Tuscon Lightwave, Inc.	4001 Main St.	Vancouver	WA	98663-1896	360-356-7100
Heart of Iowa Communications, Inc.	502 Main St. P.O. Box 130	Union	IA	50258-2211	515-486-2211
Hickory Tech Corportion					
Crystal Communications, Inc.	1650 Madison Ave., Suite 100	Mankato	MN	56001	507-386-3636
Hutchinson Telecommunications Inc.	235 Franklin St. S., P.O. Box 639	Hutchinson	MN	55350	320-587-2323
ICG ChoiceCom	11902 Burnet Road, Suite 100	Austin	TX	78758	

Table 6.1
Competitive Access Providers and Competitive Local Exchange Carriers
Filing 1999 TRS and USF Worksheets

HOLDING COMPANY NAME OF REPORTING CARRIER	HEADQUARTERS ADDRESS	CITY	ST	ZIP CODE	TEL. NO.
ICG Holdings, Inc.					
Communications Buying Group, Inc.	6060 Rockside Woods Blvd., Suite 400	Independence	OH	44131	303-414-5904
InfoTel Communications, LLC	P.O. Box 2838	Baxter	MN	56425	218-825-7880
ITC^Deltacom Communications, Inc.					
KNOLOGY Holdings, Inc.					
KNOLOGY of Florida, Inc.	1241 O.G. Skinner Drive	West Point	GA	31833	334-356-1000
KNOLOGY of Georgia, Inc.	1241 O.G. Skinner Drive	West Point	GA	31833	334-356-1000
KNOLOGY of Montgomery, Inc.	1241 O.G. Skinner Drive	West point	GA	31833	334-356-1000
KNOLOGY of South Carolina, Inc.	1241 O.G. Skinner Drive	West Point	GA	31833	334-356-1000
Kings Deer Telephone Co, Inc.	6189 Lehman Dr ., #200	Colorado Springs	Co	80918	719-262-0050
KMC Telecom Holdings, Inc.					
KMC Telecom II, Inc.	1545 Route 206, Suite 300	Bedminster	NJ	07921	908-470-2100
KMC Telecom, Inc.	1545 Route 206, Suite 300	Bedminster	NJ	07921	908-470-2100
KMC Telecom of Virginia, Inc.	1545 Route 206, Suite 300	Bedminster	NJ	07921	908-470-2100
Lec Unwired, LLC	P.O. Box 3104	Lake Charles	LA	70602-3104	318-436-9000
Level 3 Communications, LLC	1450 Infinite Dr.	Louisville	CO	80027	677-453-8353
Lincolnville Communications, Inc.	P.O. Box 200	Lincolnville Ctr.	ME	04850	207-763-9900
Lynch Corporation					
DFT Local Service Corporation	P.O. Box 209, 40 Temple St.	Fredonia	NY	14063-0209	716-673-3031
Mark Twain Rural Telephone Company					
Mark Twain Communications Company	Highway 6 East, P.O. Box 128	Hurdland	MO	63547-0128	660-423-5211
Martell Enterprises					
Pend Oreille Telephone Company	P.O. Box 969	Glenns Ferry	ID	83623	888-366-2840
Rural Telephone Company	P.O. Box 969	Glenns Ferry	ID	83623	888-366-7821
MCI WorldCom					
BFC of Missouri, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of Arkansas, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of Bakersfield, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of Connecticut, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of Fresno, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of Massachusetts, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of Michigan, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of Mississippi, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of Nevada, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of New England, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of New Mexico, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of New York , Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of Ohio, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of Oklahoma, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of Rhode Island, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of Sacramento, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of San Jose, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of Stockton, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of Tennessee, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of Texas, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of Tucson, Inc.	500 Clinton Center Dr.	Clinton	Ms	39056	601-360-8600
Brooks Fiber Communications of Tulsa, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications of Utah, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
Brooks Fiber Communications, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
MFS Telecom, Inc.	500 Clinton Center Dr.	Clinton	MS	39056	601-360-8600
McLeod, Inc.					
McLeodUSA Telecommunications Services, Inc.	6400 C Street S.W., P.O. Box 3177	Cedar Rapids	IA	52406-3177	319-364-0000
Dakota Telecommunications Group, Inc.					
Dakota Telecom, Inc.	P.O. Box 66	Irene	SD	57037-0066	605-263-3301

Table 6.1
Competitive Access Providers and Competitive Local Exchange Carriers Filing 1999 TRS and USF Worksheets

HOLDING COMPANY / NAME OF REPORTING CARRIER	HEADQUARTERS ADDRESS	CITY	ST	ZIP CODE	TEL. NO.
Ovation Communications, Inc.					
Phone Michigan	400 S. Highway 169, Suite 750	Minneapolis	MN	55426	810-249-4000
Ovation Communications of Minnesota, Inc.	400 S. Highway 169, Suite 750	Minneapolis	MN	55426	810-249-4000
MediaOne Telecommunications, Inc.					
MediaOne Fiber Technologies, Inc.	188 Inverness Dr., West, 3rd Fl., Suite 190	Englewood	CO	80112	303-858-3127
MediaOne Florida Telecommunications	188 Inverness Dr., West, 3rd Fl.	Englewood	Co	80112	303-858-3127
MediaOne of Virginia	188 Inverness Dr., West, 3rd Fl.	Englewood	CO	80112	303-858-3127
MediaOne Telecommunications of California	188 Inverness Dr., West, 3rd Fl.	Englewood	CO	80112	303-858-3127
MediaOne Telecommunications of Georgia, LLC	188 Inverness Dr., West, 3rd Fl.	Englewood	CO	80112	303-858-3127
MediaOne Telecommunications of Massachusetts, Inc.	188 Inverness Dr., West, 3rd Fl.	Englewood	CO	80112	303-858-3127
MediaOne Telecommunications of Michigan, Inc.	188 Inverness Dr., West, 3rd Fl.	Englewood	CO	80112	303-858-3127
MediaOne Telecommunications of Virginia, Inc.	188 Inverness Dr., West, 3rd Fl.	Englewood	CO	80112	303-858-3127
MetroComm AxS, L.P.	250 W. Old Wilson Bridge Rd., Suite 130	Worthington	OH	43085	614-255-2000
MGC Communications, Inc.	P.O. Box 36430	Las Vegas	NV	89133-6430	702-310-1000
MH Telecom, Inc.	200 E. Main St., P.O. Box 65	Mt. Horeb	WI	53572	608-437-5551
Minnesota Equal Access Network Services, Inc.					
Means Communications Corporation	10300 Sixth Ave., N.	Plymouth	MN	55441	612-230-4100
Minnesota Power & Light Company					
Minnesota Power Telecom, Inc.	30 W. Superior St.	Duluth	MN	55802	888-436-8683
MJD Communications, Inc.					
Fairpoint Communications Corp	P.O. Box 199, 908 W. Frontview	Dodge City	KS	67801-199	316-227-4400
Mountain Telecommunications, Inc.	3360 N Country Club Rd.	Tucson	AZ	85716-1350	602-346-9520
Nebraska Technology Telecommunications, Inc.	809 N. 96th St., Suite 210	Omaha	NE	68114	402-397-7770
NeT2000 group Inc.	8614 Westwood Center Dr., Suite 700	Vienna	VA	22182	703-848-8800
New Millennium Communications Corp.	200 South Biscayne Blvd., Suite 5400	Miami	FL	33131	305-379-5445
NewSouth Communication Corp	130 Industrial Drive	Greenville	SC	29607	864-672-5000
Nextlink Communications, Inc.					
Nextlink Arizona, Inc.	8871 S Sandy Pkwy., #200	Sandy	UT	84070	801-983-1998
Nextlink California, Inc.	1924 E. Deere Ave.	Santa Ana	CA	92705	949-417-7700
Nextlink Colorado, LLC	8871 S. Sandy Pkwy. 200	Sandy	UT	84070	303-839-8351
Nextlink DC, Inc.	1730 Rhode Island Ave., Suite 1000	Washington	DC	20036	610-288-5618
Nextlink Florida, Inc.	500 108th Ave., N.E., Suite 2200	Bellevue	WA	98004	305-670-5672
Nextlink Georgia, Inc.	4000 Highlands Parkway S.E.	Smyrna	GA	30082	678-444-4444
Nextlink Idaho, Inc.	8871 S Sandy Pkwy., #200	Sandy	UT	84070	801-983-1998
Nextlink Illinois, Inc.	500 108th Ave., N.E., Suite 2200	Bellevue	WA	98004	877-698-5654
Nextlink Michigan, Inc.	1717 North Laurel Park Dr., Suite 265	Livonia	MI	48152	734-432-3300
Nextlink Nevada LLC	2240 Corporate Cr.	Henderson	NV	89014	702-990-1000
Nextlink New Jersey, Inc.	925 Berkshire Blvd.	Wyomissing	PA	19610	888-288-2580
Nextlink New Mexico, Inc.	8871 S Sandy Pkwy., #200	Sandy	UT	84070	801-983-1998
Nextlink New York, Inc.	45 Eisenhower Dr., 5th Floor	Paramus	NJ	07652	800-964-6398
Nextlink Ohio, Inc.	500 108th Ave., N.E., Suite 2200	Bellevue	WA	98004	877-698-5654
Nextlink Pennsylvania, Inc.	925 Berkshire Blvd.	Wyomissing	PA	19610	888-288-2580
Nextlink Tennessee, Inc.	105 Molloy St., Suite 300	Nashville	TN	37201-2315	615-777-7777
Nextlink Utah, LLC	8871 S. Sandy Pkwy. 200	Sandy	UT	84070	801-983-1550
Nextlink Washington, Inc.	1330 N. Washington, Suite 5000	Spokane	WA	99201	509-444-8500
Telecommunications of Nevada, LLC	2240 Corporate Cr.	Henderson	NV	89014	702-990-1000
NorthPoint Communications Group, Inc.					
NorthPoint Communications, Inc.	222 Sutter St.	San Francisco	CA	94108	415-403-4003
North Texas Communication					
Nortex Telecom L.L.C	P.O. Drawer 587	Muenster	TX	76252	940-759-2251
OGIT Communications, Inc.					
OGC Telecom LTD	19545 N.W. Von Neumann Drive, Suite 190	Beaverton	OR	97006	503-748-1000
Omnicall, Inc.	430 Woodruff Road, Suite 450	Greenville	SC	29607	800-285-0299
Omniplex Communications Groupo LLC	707 Spirit 40 Park Dr., Suite 120	Chesterfield	MO	63005	888-462-4782

Table 6.1
Competitive Access Providers and Competitive Local Exchange Carriers
Filing 1999 TRS and USF Worksheets

HOLDING COMPANY NAME OF REPORTING CARRIER	HEADQUARTERS ADDRESS	CITY	ST	ZIP CODE	TEL. NO.
OnePoint Communications					
OnePoint Communications - Colorado, LLC	2201 Waukegan Rd., Suite E-200	Bannockburn	IL	60015	888-663-7646
VIC-RMTS-DC, LLC	2201 Waukegan Rd., Suite E 200	Bannockburn	IL	60015	888-663-7646
Optel, Inc.					
Optel Telecom, Inc. (Texas)	1111 W. Mockingbird Ln., Suite 1000	Dallas	TX	75247	800-487-3320
Optilink Communications, Inc.	P.O. Box 7501	Tifton	GA	31793	912-382-4272
Pac-West Telecomm., Inc.	4210 Coronado Ave.	Stockton	CA	95204	209-926-3300
R&B Network, Inc.	P.O. Box 174	Daleville	VA	24083	540-992-2211
Rainier Cable, Inc.	P.O. Box 639	Eatonville	WA	98328	360-832-6161
RCN Corporation					
RCN Cable Systems, Inc.					
RCN of New Jersey, Inc.	105 Carnegie Center	Princeton	NJ	08540	800-746-4726
RCN of the Southeast New York, Inc.	105 Carnegie Center	Princeton	NJ	08540	609-734-4533
RCN of Pennsylvania	105 Carnegie Center	Princeton	NJ	08540	800-746-4726
RCN Telecom Services, Inc.					
RCN of Massachusetts	105 Carnegie Center	Princeton	NJ	08540	800-746-4726
RCN of New York	105 Carnegie Center	Princeton	NJ	08540	800-746-4726
RCN of Philadelphia	105 Carnegie Center	Princeton	NJ	08540	800-746-4726
Starpower Communications, LLC	105 Carnegie Center	Princeton	NJ	08540	800-746-4726
Saddleback Communications	10190 E. McKellips	Scottsdale	AZ	85256	602-850-7002
Scottsboro Electric Power Board	404 E. Willow St.	Scottsboro	AL	35768	256-259-5052
Selectronics Corporations					
Green Mountain Long Distance	P.O. Box 9	Watsfield	VT	05673-0009	802-496-3391
Skyland Technologies, Inc	2021 11th Ave., Suite 12	Helen	MT	59604-5807	406-443-1940
Southern New England Telecommunications, Inc.					
SNET America, Inc.	310 Orange St.	New Haven	CT	06510	800-833-8134
Taylor Communications Group, Inc.	3201 Cherry Ridge Dr., Suite C-315	San Antonio	TX	78230-4826	210-892-4100
TCI Wireline, Inc.					
TCI Telephony Services of Connecticut, Inc	5619 DTC Parkway	Englewood	CO	80111	303-824-3663
TCI Telephony Services of Illinois, Inc	5619 DTC Parkway	Englewood	CO	80111	303-824-3663
TCT West, Inc.					
TRI TEL, Inc.	405 South 4th Street	Basin	WY	82410	307-568-2445
TDS Telecommunications Corporation					
TDS Metrocom, Inc	P.O. Box 5158, 301 S. Westfield Road	Madison	WI	53705-0158	608-664-4000
Tech Telephone Company Limited Partnership	4727 S. Loop 289, Suite 104	Lubbock	TX	79424-2224	806-722-2236
Telcom Group, Inc.					
Optlink Communications, Inc.	P.O. Box 7501	Tifton	GA	31793	912-382-4272
Teligent, Inc.	8065 Leesburg Pike	Vienna	VA	22182	800-689-9367
The Bayou Telephone Company, Inc.	1106 Chestnut Dr.	Morgan City	LA	70380	504-384-0339
The Municipal Comm. Utility of the City of Cedar Falls	P.O. Box 769	Cedar Falls	IA	50613	319-266-1761
The South Canaan Telephone Co.	P.O. Box 160	South Canaan	PA	18459	570-937-4114
Thrifty Call, Inc.					
Golden Harbor of Alabama, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284
Golden Harbor of Florida, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284
Golden Harbor of Georgia, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284
Golden Harbor of Illinois, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284
Golden Harbor of Indiana, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284
Golden Harbor of Kentucky, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284
Golden Harbor of Massachussetts, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284
Golden Harbor of Michigan, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284
Golden Harbor of Minnesota, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284
Golden Harbor of Mississippi, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284

Table 6.1
Competitive Access Providers and Competitive Local Exchange Carriers
Filing 1999 TRS and USF Worksheets

HOLDING COMPANY NAME OF REPORTING CARRIER	HEADQUARTERS ADDRESS	CITY	ST	ZIP CODE	TEL. NO.
Golden Harbor of New Jersey, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284
Golden Harbor of New York, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284
Golden Harbor of North Carolina, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284
Golden Harbor of Ohio, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284
Golden Harbor of South Carolina Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284
Golden Harbor of Tennessee, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284
Golden Harbor of Texas, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284
Golden Harbor of Washington, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284
Golden Harbor of Wisconsin, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-6284
Time Warner Communications Holdings, Inc.					
FIBRCOM Incorporated	5700 S. Quebec St.	Greenwood Village	CO	80111	210-524-5502
Time Warner AXS of California	5700 S. Quebec St.	Greenwood Village	CO	80111	619-549-4440
Time Warner AXS of Florida, L.P.	5700 S. Quebec St.	Greenwood Village	CO	80111	407-215-0000
Time Warner AXS of New York City	5700 S. Quebec St.	Greenwood Village	CO	80111	212-364-6000
Time Warner AXS of Rochester, L.P.	5700 S. Quebec St.	Greenwood Village	CO	80111	716-756-1000
Time Warner AXS of Western Ohio, LP	3100 Elida Rd.	Lima	OH	45805	419-331-3333
Time Warner Communications	7500 S. Quebec St.	Greenwood Village	CO	80111	901-260-5000
Time Warner Communications of Albany, LP	5700 S. Quebec St.	Greenwood Village	CO	80111	518-437-0036
Time Warner Communications of Austin, L.P.	5700 S. Quebec St.	Greenwood Village	CO	80111	512-485-5000
Time Warner Communications of Charlotte, LP	5700 S. Quebec St.	Greenwood Village	CO	80111	704-338-7300
Time Warner Communications of Greater Cincinnati, LP	5700 S. Quebec St.	Greenwood Village	CO	80111	513-489-5820
Time Warner Communications of Hawaii, L.P.	5700 S. Quebec St.	Greenwood Village	CO	80111	808-441-8500
Time Warner Communications of Houston	5700 S. Quebec St.	Greenwood Village	CO	80111	713-341-4000
Time Warner Communications of Indiana, L.P.	5700 S. Quebec St.	Greenwood Village	CO	80111	317-713-8900
Time Warner Communications of Mid South, L.P.	5700 S. Quebec St.	Greenwood Village	CO	80111	901-369-5000
Time Warner Communications of Milwaukee, L.P.	5700 S. Quebec St.	Greenwood Village	CO	80111	414-908-1000
Time Warner Communications of North Carolina, LP	5700 S. Quebec St.	Greenwood Village	CO	80111	336-393-0557
Time Warner Communications of Raleigh, L.P.	5700 S. Quebec St.	Greenwood Village	CO	80111	919-573-0099
Total Telecommunication Services, Inc.	7701 N. Broadway Ext., Suite A5	Oklahoma City	OK	73116	405-842-1764
Tri Tel, Inc.	P.O. Box 350	Basin	WY	82410	307-568-2445
US LEC Corp.					
US LEC of Florida, Inc.	401 N Tryon Street, Suite 1000	Charlotte	NC	28202	704-319-1000
US LEC of Georgia, Inc.	401 N Tryon Street, Suite 1000	Charlotte	NC	28202	704-319-1000
US LEC of North Carolina, Inc.	401 N Tryon Street, Suite 1000	Charlotte	NC	28202	704-319-1000
US LEC of Tennessee, Inc.	401 N Tryon Street, Suite 1000	Charlotte	NC	28202	704-319-1000
U S WEST, Inc.					
U S WEST Interprise America, Inc.	1999 Broadway, Suite 700	Denver	CO	80202	303-293-6326
US Xchange, LLC					
US Xchange of Indiana, L.L.C.	20 Monroe Ave., N.W., Suite 450	Grand Rapids	MI	49503	888-493-7300
US Xchange of Wisconsin, L.L.C.	20 Monroe Ave., N.W., Suite 450	Grand Rapids	MI	49503	888-493-7300
Utel , Inc.					
Freedom Ring Communications LLC	P.O. Box 577	Farmington	NH	03835	603-766-1000
W.T. Services, Inc.					
W.T. Services, Incorportated	P.O. Box 1776	Hereford	TX	79045	806-364-7311
West Enfield Communications, Inc.					
Mid Maine Tel Plus, Inc.	44 Broadway	Bangor	ME	04401	207-826-9911
WhiteFish Investments, LLC Arviq Enterprises					
Infotel Communications, LLC	P.O. Box 2838, 651 Edgewood Dr., North, Suite 1	Baxter	MN	56425	218-825-7880
Winnebago Coopertive Telephone Assn.					
Forest City Telecom, Inc.	704 E. Main	Lake Mills	IA	50450	515-592-6105
Winnebago Transport Services, Inc.	704 E. Main	Lake Mills	IA	50450	515-592-6105
Winstar Communications					
WinStar Wireless, Inc.	230 Park Ave, #2700	New York	NY	10169	703-645-5127
XIT Telecommunications & Technology, Inc.	P.O. Box 1391	Dalhart	TX	79022-1391	806-384-3311

Table 6.2
Local Resellers and Other Local Exchange Carriers
Filing 1999 TRS and USF Worksheets

HOLDING COMPANY NAME OF REPORTING CARRIER	HEADQUARTERS ADDRESS	CITY	ST	ZIP CODE	TEL. NO.
ACCESS Integrated Networks, Inc.	121 North Crest Blvd.	Macon	GA	31210	912-475-9800
Advance Telecommunications, Inc.					
American Telephone Technology, Inc.	730 2nd Ave. South, Suite 1200	Minneapolis	MN	55402	612-519-6680
Cady Telemanagement, Inc.	730 2nd Ave. South, Suite 1200	Minneapolis	MN	55402	612-376-4400
Electro-Tel, Inc.	730 2nd Ave. South, Suite 1200	Minnenpolis	MN	55402	612-519-6680
Intellecom Communications, Inc.	730 2nd Ave. South, Suite 1200	Minneapolis	MN	55402	612-519-6680
Agri-Valley Communications, Inc.	P.O. Box 650, 7585 W. Pigeon Rd.	Pigeon	MI	48755	517-453-4391
Arc Networks, Inc.	1770 Motor Pkwy.	Hauppauge	NY	11788	516-951-2500
Cables & Connectors, Inc.	2198 Berlin Turnpike	Newington	CT	06111	860-665-9904
Catskills Communications, Inc.	P.O. Box 260	Margaretville	NY	12455	914-586-3311
Central Texas Communications	P.O. Box 627	Goldthwaite	TX	76844	800-535-8904
Chibardun Telephone Cooperative, Inc					
CTC Telcom, Inc.	110 N. 2nd Ave., P.O. Box 164	Dallas	WI	54733	715-837-1011
Citizens Telecommunications Technologies, Inc.	P.O. Box 135	Mammoth	PA	15664-0135	724-423-4444
Community Communications, Inc.	7-05 Fairlawn Ave.	Fairlawn	NJ	07410	201-797-1717
Comtex Communication, Inc.	P.O. Box 59976	Dallas	TX	75229	
Cortelco P.R., Inc.	P.O. Box 363665	Rio Piedras	PR	00936-3665	787-758-0000
Corvus Incorporated	1875 Research Dr., Suite 150	Troy	MI	48083	888-426-7887
Cruisephone, Inc.	1100 Park Central Blvd., South, Suite 1800	Pompano Beach	FL	33064	954-984-7316
CTC Communications Corp.	360 Second Ave.	Waltham	MA	02154	800-883-6300
Curry Communications, Inc.	Pittsburgh Expo Mart, 105 Mall, Suite 375 West	Monroeville	PA	15146	412-317-1717
Dakota Telecommunication Systems Inc.	P.O. Box 66	Irene	SD	57037-0066	
Digicom, Inc.	26380 Curtiss Wright Pkwy., Suite 101	Richmond Heights	OH	44143	216-289-3106
Energy Research Group, Inc.	133 N. State St.	Newtown	PA	18940	
Family 4 Enterprises, Inc.	228 North West End Blvd.	Quakertown	PA	18951	215-536-9480
First Line Communications, L.L.C.	P.O. Box 385	Absecon	NJ	08201	800-411-2838
KM Dial, Inc.					
Mokan Communications, Inc.	P.O. Box 429	Louisburg	KS	66053-0429	913-837-2219
McGraw Communications, Inc.	1049 Park Ave.	NY	NY	10028-1061	212-661-5566
MGW Communications, Inc.					
MGW Telephone Company, Inc.	P.O. Box 105	Williamsville	VA	24487	540-925-2255
Minnesota Equal Access Network Services, Inc.					
Minnesota Independent Equal Access Corporation	10300 Sixth Ave. North	Plymouth	MN	55441	612-230-4100
Nemont Telephone Coop., Inc.					
Nemont Communications, Inc.	P.O. Box 600	Scobey	MT	59263	406-783-5654
Northern Communications, Inc.	1831 Anne St. N.W., Suite 100	Bemidji	MN	56601	
Northern Telephone Cooperative, Inc.					
Northern Communications, Inc.	P.O. Box 208	Sunburst	MT	59482	406-937-2114
Northland Networks, Ltd.	258 Genesee Street	Utica	NY	13502	315-797-6101
One Stop Telecommunications, Inc.	4900 Reilly Pl.	Lisle	IL	60532	888-361-7867
OnePoint Communications					
OPC - Colorado, LLC	2201 Waukegan Rd., Suite E-200	Bannockburn	IL	60015	888-663-7646
OPC - Georgia, LLC	2201 Waukegan Rd., Suite E-200	Bannockburn	IL	60015	888-663-7646
OPC - Illinois, LLC	2201 Waukegan Rd., Suite E-200	Bannockburn	IL	60015	888-663-7646
OnePoint Communications - Georgia, LLC	2201 Waukegan Rd., Suite E-200	Bannockburn	IL	60015	888-663-7646
OnePoint Communications - Illinois, LLC	2201 Waukegan Rd., Suite E-200	Bannockburn	IL	60015	847-374-3734
United Communications Systems, Inc.	2201 Waukegan Rd., Suite E-206	Chicago	IL	60611	800-860-1996
Prestige Communications Network, Inc.	P.O. Box 550534	Jacksonville	FL	32255	904-727-7337
Questar InfoComm, Inc.	180 East 100 South	Salt Lake City	UT	84145-0433	801-324-1960

Table 6.2
Local Resellers and Other Local Exchange Carriers
Filing 1999 TRS and USF Worksheets

HOLDING COMPANY NAME OF REPORTING CARRIER	HEADQUARTERS ADDRESS	CITY	ST	ZIP CODE	TEL. NO.
Sandhill Telephone Cooperative, Inc.	P.O. Box 519	Jefferson	SC	29718	803-658-3434
Statcom Communications Corp.	P.O. Box 140543	Staten Island	NY	10314	718-448-4040
State Communications, Inc.	200 N. Main St.	Greenville	SC	29601	800-800-9681
TCB Communications	52 East Old Country Road	Mineola	NY	11501	516-877-0892
Technical Resources	46 Beach Dr.	Key West	FL	33040	305-744-0014
Tel-Comm Network, Inc.	4017 C Fredericksburg	San Antonio	TX	78201	
Telephone Company of Central Florida, Inc.	3599 West Lake Mary Blvd., Suite E	Lake Mary	FL	32746	407-324-1396
Time Warner Communication Holding, Inc.					
Time Warner Connect	2251 Lucien Way, Suite 200B	Maitland	FL	32751	407-215-5222
Time Warner Service Holding					
Time Warner Connect - Austin Division	160 Inverness Dr. West	Englewood	CO	80112	303-754-6154
Time Warner Connect - Houston Division	160 Inverness Dr. West	Englewood	CO	80111	713-462-1900
Time Warner Service Holding I + II, L.P.					
Time Warner Connect	160 Inverness Dr.	West Englewood	CO	80112	713-895-1800
Ultimate One Communications, Inc.	9241 Roberts Rd.	Hickory Hills	IL	60457	708-599-2337
USN Communications, Inc.	10 S. Riverside Plaza	Chicago	IL	60606	312-382-8894
V A C Industries					
Geocomm Corporation	1176 Kastrin St.	El Paso	TX	79907	915-593-8921
Value Added Communication, Inc.	959 E. Collins Blvd., Suite 150	Richardson	TX	75081	972-664-2600
Veritech Ventures, LLC					
Onsite Access Local, LLC	680 5th Ave., 12th Floor	New York	NY	10019	212-324-1500
World Pass Communications	2999 N.E. 191 St., Suite 608	Miami	FL	23180	305-935-5475
Yadkin Valley Telecom, Inc.	P.O. Box 368	Yadkinville	NC	27055	336-463-5069

Table 6.3
Long Distance Carriers Reporting Local Revenues on Their 1999 USF Worksheets

HOLDING COMPANY / NAME OF REPORTING CARRIER	HEADQUARTERS ADDRESS	CITY	ST	ZIP CODE	TEL. NO.
Access America	138 Fairbanks Rd.	Oak Ridge	TN	37830-7091	423-482-2140
Access Point, Inc.	1100 Crescent Green, Suite 109	Cary	NC	27511	800-957-6468
ACOMM, Inc.	510 First Ave. North, Suite 203	Minneapolis	MN	55403-0343	612-305-2400
Adelphia Communications Corporation					
Adelphia Telecommunication of Florida, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-9830
Adelphia Telecommunications, Inc.	Main at Water St.	Coudersport	PA	16915	814-274-9830
Advanced Communications Group, Inc.					
Feist Long Distance, Inc.	390 S. Woodmill Rd.	Chesterfield	MO	63017	605-332-3232
Firstel, Inc.	390 S. Woodmill Rd., Suite 150	Chesterfield	MO	63017	605-332-3232
ALLTEL Corporation					
ALLTEL Communications, Inc.	One Allied Dr.	Little Rock	AR	72202	501-905-8000
Ameritech Corp.					
Ameritech Communications International, Inc.	30 S. Wacker	Chicago	IL	60606	312-750-5000
Arvig Telcom, Inc.					
USLink, Inc.	200 Second St.., P.O. Box 327	Pequot Lakes	MN	56472	218-568-2203
Association Communications, Inc.	1501 4th Ave., Suite 2880	Seattle	WA	98101	206-674-2000
Atlantic Connections, LTD.	P.O. Box 6620	Portsmouth	NH	03802	603-433-7200
AT&T Corp.	295 N. Maple Ave.	Basking Ridge	NJ	07920	908-221-2000
Austin Bestline	500 N. Cap of Texas, Hwy. #8-200	Austin	TX	78746	512-328-9095
Axces of Delaware	2500 Wilcrest, Suite 540	Houston	TX	77042	713-781-1187
Business Long Distance, Inc.	208 West Cummings Park	Woburn	MA	01801	800-336-4253
BTI Telecommunications Services	4300 Six Forks Rd., Suite 500	Raleigh	NC	27609	800-849-2111
Cable & Wireless Holdings, Inc.					
Cable & Wireless USA, Inc.	8219 Leesburg Pike	Vienna	VA	22182	800-486-8686
Capital Telecommunications, Inc.	200 West Market St.	York	PA	17401	717-848-8800
CAVU, Inc.					
South East Telephone Inc.	P.O. Box 1001	Pikeville	KY	41502	606-432-3000
Chorus Communications Group, LTD					
Chorus Networks, Inc.	P.O. Box 46520	Madison	WI	53744-6520	608-828-2000
CIMCO Communications, Inc.	18 W. 100 22nd St., Suite 109	Oakbrook Terrace	IL	60181	630-691-8080
Citizens Utilities					
Citizens Utilities Rural Telephone Company, Inc.	3 High Ridge Park	Stamford	CT	06905	214-365-3549
Colorado Valley Telephone Cooperative, Inc.	P.O. Box 130	La Grange	TX	78945	409-242-5910
Conestoga Enterprises, Inc.					
INFOCORE, Inc.	Valley Forge Square, 661 Moore Rd., Suite 110	King of Prussia	PA	19406	610-337-9611
Northern Comms., Inc. d/b/a Conestoga Comms., Inc.	202 E. First St.	Birdsboro	PA	19508	610-582-6359
Corvus Incorporated	1875 Research Dr., Suite 150	Troy	MI	48083	
Cypress Telecommunications Corp.	11811 N. Freeway, Suite 800	Houston	TX	77060	281-591-3000
East Florida Communications, Inc.	221 South Ridgewood Ave.	Daytona Beach	FL	32114	904-257-4118
Easton Telecom Services, Inc.	4646 W. Streetsboro Rd., P.O. Box 550	Richfield	OH	44286-0550	800-222-8122
Eatelcorp, Inc.					
Eatelnet	913 S. Burnside Ave.	Gonzales	LA	70737	504-621-4200
Electric Lightwave, Inc.	P.O. Box 4698	Vancouver	WA	98662	800-354-2780
E*Link Corporation	P.O. Box 914	New York	NY	10274	212-661-5566
GCI Communication Corp.	2550 Denali St., Suite 1000	Anchorage	AK	99503-2781	907-265-5600
Glens Falls Communications Corp.	322 Great Oaks Office Park	Albany	NY	12203	518-862-9600
GTE Corporation					
GTE Communications Corporation	6665 N. MacArthur Blvd.	Irving	TX	75039	800-483-3737

Table 6.3
Long Distance Carriers Reporting Local Revenues on Their 1999 USF Worksheets

HOLDING COMPANY / NAME OF REPORTING CARRIER	HEADQUARTERS ADDRESS	CITY	ST	ZIP CODE	TEL. NO.
Hickory Tech Corporation					
Crystal Communications, Inc.	1650 Madison Ave., Suite 100	Mankato	MN	56001	507-386-3636
Icon Communications Corporation	2001 6th Ave., #500	Seattle	WA	98121	206-728-0102
Incomnet, Inc.					
Incomnet Communications Corporation	2801 Main St.	Irvine	CA	92614	714-251-8000
Intermedia Communications					
Access Network Services, Inc.	3625 Queen Palm Dr.	Tampa	FL	33619	800-940-0011
Iowa Communications Network	P.O. Box 587, Bldg. W-4, Camp Dodge	Johnston	IA	50131-0587	515-323-4692
ITC DeltaCom, Inc.					
ITC Delta^Com Communications, Inc.	206 West 9th St.	West Point	GA	31833	800-239-3000
ITC Holding Company, Inc.					
Globe Telecommunications, Inc.	1239 O.G. Skinner Dr.	West Point	GA	31833	706-645-1011
The KanOkla Telephone Association, Inc.					
KanOkla Communications, Inc.	100 KanOkla Ave., P.O. Box 111	Caldwell	KS	67022-0111	316-845-5682
Logix Communication Corporation	3555 N.W. 58th St., Suite 600	Oklahoma City	OK	73112	405-516-8400
London Telecom Group Corp.					
London Telecom Network Corp.	2502 Rocky Point Dr., Suite 170	Tampa Bay	FL	33607	800-950-3615
MCI WorldCom, Inc.					
BFC Communications, Inc.	515 East Amite St.	Jackson	MS	39201	601-360-8600
MCI Communications Corporation	500 Clinton Center Drive	Clinton	MS	39056	770-280-4421
WorldCom Technologies, Inc.	500 Clinton Center Drive	Clinton	MS	39201	601-360-8600
Midco Communications, Inc.	410 S. Phillips Ave.	Sioux Falls	SD	57104-6824	605-334-1200
Network Enhanced Technologies, Inc.	12340 Santa Monica Blvd., #220	Los Angeles	CA	90025	800-818-9000
Northland Telephone	9560 Main St.	Holland Patent	NY	13354	315-865-5201
North Pittsburgh Systems, Inc.					
Penn Telecom, Inc.	2710 Rochester Rd.	Cranberry Twp.	PA	16066	724-443-9500
NTS Communications, Inc.	5307 W. Loop 289	Lubbock	TX	79414	806-797-0687
Popp Telcom Incorporated	620 Mendelssohn Ave. N.	Golden Valley	MN	55427	612-546-9707
Public Interest Network Services, Inc.	50 West 17th St., 9th Floor	New York	NY	10011	212-479-1700
Qwest Communications International, Inc.					
LCI International Telecom Corp.	555 17th St.	Denver	CO	80202	800-466-0116
USLD Communications	555 17th St..	Denver	CO	80202	800-466-0116
Shared Communications Services, Inc.	3723 Fairview Industrial Dr. S.E.	Salem	OR	97302	800-285-6100
Sprint Corporation					
Sprint Communications Company, L.P.	2330 Shawnee Mission Pkwy.	Shawnee Mission	KS	66205	800-877-4646
Telephone Associates, Inc.	329 Grand Avenue	Superior	WI	54880	715-392-8101
Telephone Company of Central Florida, Inc.	3599 W. Lake Mary Blvd., Suite E	Lake Mary	FL	32746	800-600-1640
Telergy Central, LLC (f/k/a Telergy Joint Venture)	1 Telergy Pkwy.	E. Syracuse	NY	13057	800-889-6716
TW Service Holding					
Time Warner Connect of San Antonio	84 N.E. Loop 410, Suite 200	San Antonio	TX	78216	210-352-4507
Time Warner Connect (Los Angeles Division)	303 West Palm Ave.	Orange	CA	92666	714-289-6707
UCS, Call One	401 N. Michigan Ave., Suite 206	Chicago	IL	60611	800-860-1996
United Communications Inc.	497 SW Century Dr., Suite 200	Bend	OR	97702	541-388-8711
Uni-Tel of Farmington, Inc.	605 E. Apache St.	Farmington	NM	87401	505-326-4571
Universalcom, Inc.	P.O. Box 1585	Destin	FL	32540	850-837-0077
Valu-Line Companies, Inc.					
Valu-Line of Kansas, Inc.	P.O. Box 972	Emporia	KS	66801	316-343-7071
Westel, Inc.	111 Congress Ave., Suite 600	Austin	TX	78701	800-480-5585
Working Assets Long Distance	101 Market Street, Suite 700	San Francisco	CA	94105	800-788-0898

VII. ADDITIONAL INFORMATION SOURCES: LOCAL COMPETITION BY STATE

The state public utility commissions (PUCs) play a major role in implementing local competition policy. Many conduct special studies or otherwise report various data on local competition. The National Association of Regulatory Utility Commissioners (NARUC) and the affiliated National Regulatory Research Institute (NRRI) at Ohio State University serve as a clearing house for some such information. Commercial interests also make information available, through press releases and on the Internet, that may pertain to individual states.

Those interested in local competition may wish to visit some of the Internet sites in the following non-comprehensive list. We welcome suggested additions and updates to this list.

National Association of Regulatory Utility Commissioners . . . . . www.naruc.org
Links to: State Government Web Sites (State PUCs)

National Regulatory Research Institute (NRRI) . . . . . www.nrri.ohio-state.edu
State Surveys and Information section includes:
State Telecommunications Update Report -- state level information on a number of topics including local competition, interconnection, and resale
Telecommunications Interconnection Arbitration Decisions -- over 160 state commission decisions on arbitrated interconnection agreements from 45 states

Individual state PUC reports. Such reports typically discuss key policy developments and provide, to varying extent, data on the status of local competition in the state. Additional information, such as lists of new entrants approved to offer local telephone service, may appear elsewhere on these, and other, state PUC Web sites:

Connecticut . . . . . www.state.ct.us/dpuc
Telecommunications Competition in Connecticut Since 1984
(March 1998; posted under Telecom index, within General Information Area of the Docket/Database Area)

Florida
Competition in Telecommunications Markets in Florida
(Dec. 1998; Dec. 1997)
(published by Division of Telecommunications; available for a fee from Division of Records and Reporting, (850) 413-6770)

Illinois . . . . . icc.state.il.us/icc/Doclib/AR
Annual Report on Telecommunications - 1998
(posted Mar. 5, 1999)

Indiana . . . . . www.ai.org/iurc/report/regflex/phone
Telephone Report to the Regulatory Flexibility Committee of the Indiana General Assembly (July 1, 1998)

Massachusetts . . . . . www.magnet.state.ma.us/dpu/telecom/index.htm
Department of Telecommunications and Energy, Telecommunications Division, Annual Report for Fiscal Year 1998 (Jan. 22, 1999)

Michigan . . . . . ermisweb.cis.state.mi.us/mpsc/comm/localcon.htm

Report on Local Telephone Interconnection (Feb. 1998)

Missouri . . . . . www.ecodev.state.mo.us/psc/annual
Missouri Public Service Commission Annual Report 1998
(Utility Issues: Telecommunications section of report)

Nebraska . . . . . www.nol.org/home/NPSC
Annual Report to the Legislature on the Status of the Nebraska Telecommunications Industry (Sept. 31, 1998)
(in Communications Department section)

New York . . . . . www.dps.state.ny.us./telanalysis.htm
Competitive Analysis of Telecommunications in New York State
(data as of December 31, 1997)

North Carolina . . . . . www.ncuc.commerce.state.nc.us/TELRPT.HTM
The Status of Telecommunications Service in a Changing Competitive Environment - October 1997 (biennial report)

South Dakota www.state.sd.us/state/executive/puc/annual97/97ar/sld012.htm
1997 Annual Report (posted Dec. 18, 1998)
(slides 12 & 13 in "The Year's Issues: Telecommunications")

Tennessee . . . . . www.state.tn.us/tra/trareports.htm
1997 Report to the Tennessee General Assembly on the Status of Telecommunications Competition in Tennessee (biennial report)
(posted June 5, 1997)

Texas . . . . . www.puc.texas.gov/pubinfo/telecom/index.htm
Scope of Competition in Telecommunications Markets of Texas (Jan. 1999)

Utah . . . . . www.psc.state.Ut.Us/telecom/REPORT.htm
The State of the Telecommunications Industry in Utah
(Oct. 21, 1998)

Wisconsin . . . . . www.psc.state.wi.us/writings/papers/tele/pricereg/index.htm
Staff Report on Telecommunications Utility Price Regulation, Docket 05-TI-174 (Nov. 19, 1998; posted Dec. 10, 1998)

Wyoming psc.state.wy.us/telco/telco98/98telecomrept.html
1998 Annual Telecommunications Report (Jan. 10, 1998)

Industry Web sites:

clec.com (published by DNS Publishing Inc.) . . . . . www.clec.com
CLEC Directory: list of "active nationwide, facilities-based CLECs"
CLEC Resources: links to state-by-state regulatory information

CONTACTING THE REPORT AUTHORS

Local Competition: August 1999 was prepared by the Industry Analysis Division, Common Carrier Bureau, Federal Communications Commission. Principal authors of the report sections can be contacted at their electronic mail addresses or by calling the Industry Analysis Division at (202) 418-0940. Users of TTY equipment should call (202) 418-0484.

I. Preliminary Statistical Analyses of Local Competition . . . . . Jim Zolnierek or Jim Eisner
II. New Entrant Share of the Nationwide Market . . . . . Jim Lande
III. New Entrant Use of Incumbent Services and Facilities: Nationwide, by State, and by Company . . . . . Ellen Burton
IV. New Entrants in the Switched Market: Nationwide, by State, and by LATA . . . . . Jim Zolnierek
V. Telephone Numbers Transferred Among Carriers . . . . . Craig Stroup
VI. New Entrant Locator Information . . . . . Katie Rangos
VII. Additional Information Sources: Local Competition by State . . . . . Ellen Burton or Katie Rangos

The electronic mail addresses are:

Ellen Burton . . . . . eburton@fcc.gov
Jim Eisner . . . . . jeisner@fcc.gov
Jim Lande . . . . . jlande@fcc.gov
Katie Rangos . . . . . krangos@fcc.gov
Craig Stroup . . . . . cstroup@fcc.gov
Jim Zolnierek . . . . . jzolnier@fcc.gov

[Note to electronic version: This page intentionally not numbered and left blank.]

Customer Response

Publication: **Local Competition: August 1999**

You can help us provide the best possible information to the public by completing this form and returning it to the Industry Analysis Division of the FCC's Common Carrier Bureau.

1. Please check the category that best describes you:

____ press
____ current telecommunications carrier
____ potential telecommunications carrier
____ business customer evaluating vendors/service options
____ consultant, law firm, lobbyist
____ other business customer
____ academic/student
____ residential customer
____ FCC employee
____ other federal government employee
____ state or local government employee
____ Other (please specify) _____

2. Please rate the report:

	Excellent	Good	Satisfactory	Poor	No opinion
Data accuracy	(_)	(_)	(_)	(_)	(_)
Data presentation	(_)	(_)	(_)	(_)	(_)
Timeliness of data	(_)	(_)	(_)	(_)	(_)
Completeness of data	(_)	(_)	(_)	(_)	(_)
Text clarity	(_)	(_)	(_)	(_)	(_)
Completeness of text	(_)	(_)	(_)	(_)	(_)

3. Overall, how do you rate this report?

Excellent	Good	Satisfactory	Poor	No opinion
(_)	(_)	(_)	(_)	(_)

4. How can this report be improved?

_____

_____

_____

_____

_____

_____

_____

5. May we contact you to discuss possible improvements?
Name:
Telephone #:

To discuss the information in this report, contact: Industry Analysis Division at 202-418-0940		
Fax this response to	or	Mail this response to
202-418-0520		FCC/IAD Mail Stop 1600 F Washington, DC 20554