

LOCAL COMPETITION

Industry Analysis Division
Common Carrier Bureau
Federal Communications Commission
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EXECUTIVE SUMMARY

This is the first issue of the Industry Analysis Division's *Local Competition* report. The report presents a summary of statistical material currently available on local competition, information from surveys conducted by the Common Carrier Bureau of the Federal Communications Commission (Commission), and information mined from other public sources. The Division will be undertaking additional analytical efforts to understand the development of local competition. This report, however, concentrates on presenting data on emerging competition in local telephone service markets rather than analyzing the underlying factors affecting its development. We present information in this report for all states. Where information is available, we present information for smaller geographic areas such as Local Access and Transport Areas, or LATAs.

Based on the information now available, the following broad conclusions emerge:

- The revenues of competitors in the local exchange market continue to increase rapidly, starting from a very small base. In 1997, the revenues of local service competitors doubled, to \$3 billion.
- The revenues of incumbent local exchange carriers (ILECs) as a group, starting from a much larger base, also continue to increase but at a much less rapid pace.
- The effect of the previous two trends is that competitive local exchange carriers (CLECs) are gaining market share, but their presence remains less than 5% of the local market, as measured by total local service revenues.
- CLECs, many of which began as competitive access providers (CAPs), have been most successful in the market for specialized services. In 1997, CLECs reported about 14% of the total special access and local private line services provided to other carriers and about 6% of such services provided to end users.
- Because the Commission does not have data on the number of customer lines that CLECs provide solely over their own facilities, we are unable to calculate the total number of customer lines that CLECs serve. We do note, however, that some industry observers believe CLECs provide, on average, about a quarter of their customer lines over their own facilities, and that they currently provide, in total, between 4 and 5 million switched lines, which is less than 3% of nationwide switched access lines.

- Where CLECs have chosen to use ILEC services (resold lines) or unbundled network element loops (UNE loops) to enter local markets -- whether in lieu of constructing their own facilities or as a precursor to constructing their own facilities -- they have concentrated on resold ILEC lines. Currently, aggregate CLEC use of resold ILEC lines predominates over their use of UNE loops by a factor of approximately 10 to 1.
- CLECs have operational collocation arrangements in switching centers from which ILECs serve about 32% of their total voice grade customer lines. Thus, although CLECs currently make use of less than 2% of ILEC lines as resold lines or UNE loops, there is potential for significant gains.
- Preliminary data -- provided by ILECs -- indicate that, on average, about 40% of resold ILEC lines serve CLEC residential, rather than CLEC business or government, customers. There is considerable state-by-state variation yet to be explained. Also, the Commission does not yet have similar information, from CLECs, about the types of customers served by CLECs over unbundled ILEC loops or the CLEC's own facilities.
- In 1994, no CLECs had acquired the numbering resources (central office codes) necessary to provide switched telephone services over their own facilities. By the third quarter of this year, they had received such resources in every state except West Virginia.
- Facilities-based CLECs appear to have concentrated in more urbanized areas. For example, the Atlanta, Dallas, Los Angeles, and New York City LATAs each have more than 20 CLECs with the numbering resources necessary to provide mass market switched services over their own facilities, while 30 of the nation's more rural LATAs have no such CLECs.
- Local service competitors are deploying fiber in their networks at a faster rate than are ILECs. Local competitors tripled their amount of fiber in place from the end of 1995 to the end of 1997. Local competitors now have at least 11% of the total fiber optic system capacity potentially available to carry calls within local markets.

I. INTRODUCTION AND OVERVIEW

Local Competition was prepared by the Industry Analysis Division of the Common Carrier Bureau of the Federal Communications Commission (Commission). The Division will be undertaking additional analytical efforts to understand the development of local competition. This report, however, concentrates on presenting data on emerging competition in local telephone service markets rather than analyzing the underlying factors affecting its development. We present information in this report for all states. Where information is available, we present information for smaller geographic areas such as Local Access and Transport Areas, or LATAs.

The Commission does not yet possess the detailed information necessary to evaluate the current state of local telephone competition on a market-by-market basis. This is, in large part, because new entrants have not reported this type of information to the Commission or to any other source on a consistent basis.

The Commission does collect a large amount of information from traditional local telephones companies (also known as incumbent local exchange carriers, or ILECs). These carriers have traditionally been subject to comprehensive economic regulation. The Commission, however, gathers almost no systematic information from new entrants (also known as competitive local exchange carriers, or CLECs).

Aside from the information that is collected systematically from ILECs, information on local competition is scarce, dependent primarily on press releases and company reports that differ in scope and presentation. Some concern has been expressed, for example, that companies use different methods to count the lines they serve.¹ Indeed, because of the lack of consistent and timely information, observers disagree on the pace with which local competition is developing. Some, for example, see CLECs gaining market share from ILECs very rapidly,² while others see ILECs losing market share more slowly.³

Additional data would sharpen our understanding of local competition and the picture delineated in this report of local competition. We desire more complete information for several reasons. In general, such information reduces uncertainty, makes better investment

¹ See P. Bernier, *Getting a Handle on Access Line Growth: Numbers Sometimes Lie*, X-CHANGE, October 1998, at 16.

² See J. B. Grubman and S. McMahon, *CLECs Surpass Bells in Net Business Line Additions For First Time*, Salomon Smith Barney Research Industry Note, May 6, 1998 (arguing that ILECs are losing market share faster than AT&T lost long-distance market share since the Bell System divestiture).

³ See D. Reingold and J. Sini, Jr., *The Business Line Migration Phenomenon: The Numbers Don't Lie, ILEC Growth Remains Robust*, Telecom Services--Local, Merrill Lynch & Co., 12 June 1998 (arguing that differing methods of counting higher capacity customer lines results in undercounted ILEC lines compared to CLECs).

decisions possible, and reduces costs. More complete information would benefit both new entrants and incumbents. From the Commission's standpoint, such information would allow it to move away from "one size fits all" regulation and reduce the regulatory requirements on incumbent carriers as competition develops in discrete geographic areas.

The Common Carrier Bureau undertook three surveys to collect information on local competition from volunteers in both the CLEC and ILEC communities. The intent of these surveys was two-fold. First, to gain information on the development of local competition. Second, to "field test" reporting procedures that will enable the Commission to obtain adequate information without imposing burdensome requirements. As both carrier volunteers and Commission staff gained experience, the survey has evolved into one that focuses primarily on the number and types of lines served. Although the responses to the most recent survey are not yet available, the questionnaire itself is attached as Appendix A.

Responses from companies volunteering to provide information during the first two surveys form the bulk of the data presented in Section III on aspects of local competition nationwide, and in the individual states. Other information in this report -- Sections II, IV, and V -- is derived from data collections principally designed for purposes other than monitoring the state of local competition. The information presented is the most recent information available from these sources. There are several reasons, including lack of familiarity with new surveys or procedures by some companies supplying information, to expect data to be somewhat imprecise. Small differences among states or LATAs in the information reported here should not be given undue significance. Similar patterns appearing in multiple sources of information do deserve attention.

To briefly preview the report:

Section II presents a *national* view of the evolution of local competition from 1993 through 1997. It compares nationwide fiber deployment and revenue data for ILECs with data for competitors, especially new entrants in the local telephone 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.

Information about fiber deployed is provided to the Commission by ILECs and by local competitors whose primary focus is providing local exchange service and toll access services. ILECs added about 1.7 million fiber miles in 1997, an amount nearly equal to the local competitor inventory as of 1997. The competitors have had a much faster rate of growth, however, tripling their amount of fiber in place from 1995 to 1997. At the end of 1997, new local service competitors had at least 11% 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 ILEC's local networks consist primarily of copper-based facilities.

In terms of revenue, local competitors have, as a group, experienced high rates of local telephone service revenue growth starting from a small revenue base. In contrast, ILECs have experienced much smaller rates of local telephone service revenue growth starting from a very large revenue base. The net effect of these trends is a falling ILEC share of nationwide local service revenues. The ILEC share was over 99% in 1993, and remained almost at that level in 1995, the last full year before enactment of the Telecommunications Act of 1996. It dropped to about 97% in 1997, the most recent year for which comprehensive historical revenue data are available.

Data on revenue components indicate that the local competitor share of specialized service revenues is higher than their share of mass market revenues. While CLECs and other local competitors provided only about 1.2% of total local services to end users in 1997, they reported about 13.6% of the total special access and local private line services provided to other carriers and 6.3% of such services provided to end users. This reflects the fact that many CLECs began as competitive access providers (CAPs) concentrating 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.

Section III presents *nationwide* and *state-by-state* 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: resold ILEC services (resold lines); ILEC unbundled network element loops (UNE loops); and space in ILEC switching centers (collocation). The information summarized in this section comes from voluntary surveys submitted by large ILECs, which provide information for all states except Alaska. Based on the surveys, ILECs differ somewhat in the way they count customers lines.

At mid-year 1998, about 1.5% of nationwide ILEC switched lines were used by CLECs to resell ILEC services to CLEC customers -- an increase of about 50% since the end of 1997. Among the states, percentages for large ILECs were reported to range from 0% of ILEC switched lines (for 5 ILEC operations located in 5 states) to 9% (for U S WEST operations in Iowa). West Virginia was the single state in which no large ILEC reported providing such lines to local service competitors. No information was submitted for Alaska. The information submitted by large ILECs indicates that, on average, about 40% of the lines that CLECs obtain from ILECs on a services resale basis are connected to CLEC residential, rather than to CLEC business or government, customers.

Smaller percentages of ILEC lines were provided to CLECs as UNE loops at mid-year 1998, although the number of UNE loops almost doubled since the end of 1997. On a nationwide basis, resold ILEC lines outnumber UNE loops by a factor of approximately 10 to 1. Percentages of ILEC lines provided as UNE loops were reported to range from 0% of ILEC lines (for 35 ILEC operations in 28 states) to 1% (for SBC operations in Nevada). In

12 states, no large ILEC reported providing any UNE loops to CLECs: Hawaii, Idaho, Indiana, Iowa, Montana, Nebraska, North Carolina, North Dakota, South Dakota, Vermont, West Virginia, and Wyoming. Again, no information was submitted for Alaska.

Although CLECs use low percentages of ILEC customer lines, there is potential for significant gains. CLECs have collocation arrangements in ILEC switching centers serving much larger percentages of ILEC customers -- particularly business and government customers. At mid-year 1998, CLECs had operational collocation arrangements in switching centers from which ILECs serve about 32% of their total voice grade⁴ customer lines, on a nationwide basis. By type of customer, these switching centers serve about 25% of ILEC voice grade lines connected to residential customers and about 44% of ILEC voice grade lines connected to business and government customers.

ILECs also use high capacity facilities⁵ to deliver switched services to customers -- primarily, business and government customers. The ILEC switching centers in which CLECs have operational collocation arrangements serve about 57% of such ILEC lines, according to the preliminary data supplied by ILECs. This is in contrast to the 32% figure calculated from the data on lines provided over voice grade facilities. The difference in the two figures is an additional indication that CLECs have placed their collocation arrangements in those ILEC switching centers that serve, in particular, high-usage business and government customers.

The voluntary surveys do not provide comprehensive information about the number of switched lines CLECs provide to their customers 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. We do note, however, that some industry observers believe CLECs provide, on average, about a quarter of their lines over their own facilities, and that CLECs currently provide, in total, between 4 and 5 million switched lines, which is less than 3% of nationwide switched access lines.⁶

Section IV presents summary and detailed information about the number, and the identity, of new local service competitors holding telephone numbering codes *nationwide, by state, and by LATA*. Numbering codes (technically, central office codes or NXX codes) are used to route 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.

⁴ Telephone lines terminating at most homes, and at many offices, are "voice grade" circuits. A voice grade circuit is defined as an analog circuit having 3 to 4 kHz of bandwidth, the digital equivalent of which is a 64 kbps circuit. Such a circuit allows one conversation at a time to be carried.

⁵ T-1/DS1, primary rate ISDN, and several versions of DSL (Digital Subscriber Line) are examples of such high capacity facilities. Information carrying capacity of such facilities is 1.544 mbps, or greater, in contrast to the 64 kbps rate of a voice grade circuit.

⁶ See Section III for relevant citations.

A local service competitor that owns a telephone switch therefore must acquire a numbering code for that switch before commencing operation as a facilities-based CLEC providing mass market switched telephone service. Facilities-based local service competitors in their earlier incarnation as CAPs, did not need telephone switches to carry large numbers of long distance calls between their target customers, primarily businesses, and the networks of the long distance carriers. They delivered such traffic over private lines leased from the ILECs or over their own equivalent facilities. Pure reseller CLECs also do not need numbering codes to provide switched telephone service, although a few such resellers appear to have acquired numbering codes to facilitate billing.

By the last quarter of 1995, one or more CLECs held a numbering code in 30% of the states and in 14% of the LATAs. These values increased to 98% of states and 84% of LATAs in the third quarter of 1998. On a nationwide basis, 146 CLECs now have at least one numbering code, compared to 13 which had numbering codes in the last quarter of 1995. Ten states have 13 or more CLECs with codes; 34 states have 5 or more such CLECs; and in only one state (West Virginia) CLECs hold no numbering codes. Twelve LATAs, located in 9 states, have 13 or more CLECs with codes: California (with 3 such LATAs); Florida (2); Georgia (1); Illinois (1); New York (1); Pennsylvania and Delaware (1 LATA, which is located in both states); Texas (2); and Washington (1). Four LATAs have more than 20 such CLECs: Dallas (25 CLECs), New York City and Los Angeles (22 each), and Atlanta (21). Section IV reports the number and names of CLECs holding numbering codes for each LATA in which at least one such CLEC is present.

Section V presents name, address, and telephone number information for local service competitors that made 1998 filings required to support Telecommunications Relay Services. Related entities are grouped under the name of their holding company.

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 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 shows fiber miles reported by ILECs and by local competitors whose primary focus is providing local exchange service and toll access services.⁷ "Fiber miles" are calculated by multiplying the number of miles of fiber cable by the number of fiber strands per cable. Fiber miles include both lit fiber (i.e., fiber that has been activated to carry telecommunications by the addition of optoelectronic equipment) and dark fiber (i.e., fiber that has not yet been activated.) The ILEC data include fiber used for ILEC toll networks as well as to connect ILEC switches and for local distribution. The data for local competitors include companies, such as Teleport Communications Group, whose primary focus was providing competitive local services and exclude companies, such as AT&T, whose primary use of fiber was in their long haul toll network.⁸

Chart 2.1 shows that ILECs added about 1.7 million fiber miles in 1997, an amount nearly equal to the local competitor inventory as of 1997. Chart 2.2, however, shows that the competitors have had a much faster rate of growth. From 1995 to 1997, new competitors tripled the amount of fiber that they had in place. At the end of 1997, new local service competitors had at least 11% 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 ILEC's local networks consist primarily of copper-based facilities.

Tables 2.1 through 2.5 present revenue data taken from TRS and Universal Service Worksheets.⁹ Carriers file these worksheets to help determine contribution levels to support Telecommunications Relay Services and universal service support mechanisms. In these worksheets, carriers are asked to identify their primary lines of business and report their revenues by type of service.

⁷ See Industry Analysis Division, *Fiber Deployment Update*, September 1998.

⁸ The most recent annual information available is for the end of 1997. Subsequently, in July 1998, Teleport Communications Group merged with AT&T.

⁹ The worksheets and the revenue data contained therein are described in Industry Analysis Division, *Telecommunications Industry Revenue*, October 1998. Source data have been used to generate some breakouts that do not appear in that report.

Table 2.1 shows the number and type of carriers reporting local service revenues (excluding local mobile services). Based on each carrier's own designation of its primary business, carriers are divided into four groups:

- ILECs (including the Bell companies and other incumbents);
- CAPs and CLECs;
- Other carriers that also appear to focus on the local market -- carriers that identify themselves as local service resellers, shared tenant service providers, private carriers, and "other local;" and
- All other carriers that reported local service revenues -- including toll, satellite, and pay telephone providers, as well as non-wireless local revenues reported by cellular and paging companies.¹⁰

Table 2.1 shows the amount of local service revenue provided by these various types of carriers. ILECs reported \$94 billion of local service revenue in 1997, up from \$80 billion in 1993. Carriers that identified their primary business as CAP or CLEC reported \$1.6 billion of local service revenue in 1997, up from less than \$200 million in 1993. Thus, although growing extremely rapidly, CAPs and CLECs accounted for less than 2% of the local service market in 1997.

Other carriers (local resellers, shared tenant service providers, private carriers, pay telephone providers, toll carriers, etc.) reported about \$1.5 billion of local service revenue in 1997. This total represents all local service revenues reported by over 300 service providers. It includes, for example, \$454 million of pay telephone revenue. The table shows that even with the most expansive definition of local competition, the ILECs billed more than 96% of local service revenues in 1997.

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 1997, they remained far larger but the differential had fallen to the point where ILECs were only 55 times as large. In terms of sheer size, ILEC revenues also remain far larger than the revenues of resellers and other firms focusing on the local market. In 1997, however, ILECs billed only 1.4 times as much revenue as did the wireless, toll, and

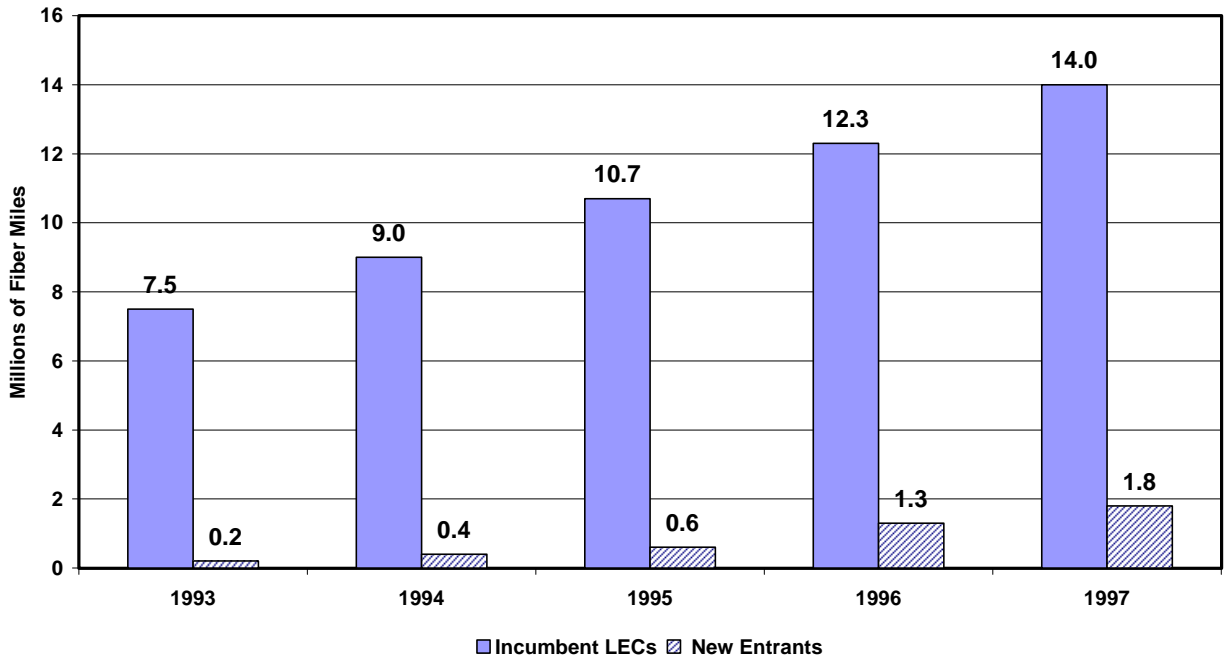
¹⁰ Wireless, toll, and pay telephone providers were grouped apart from other local competitors because local service represents a relatively small portion of the overall revenues of these companies. Table 2.5 shows that local service represents about 1% of the telecommunications revenues billed by these types of carriers. In contrast, 90% of ILEC revenues were generated by local service as were 73% of the revenues billed by CAPs, CLECs, and others focusing primarily on the local market.

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).

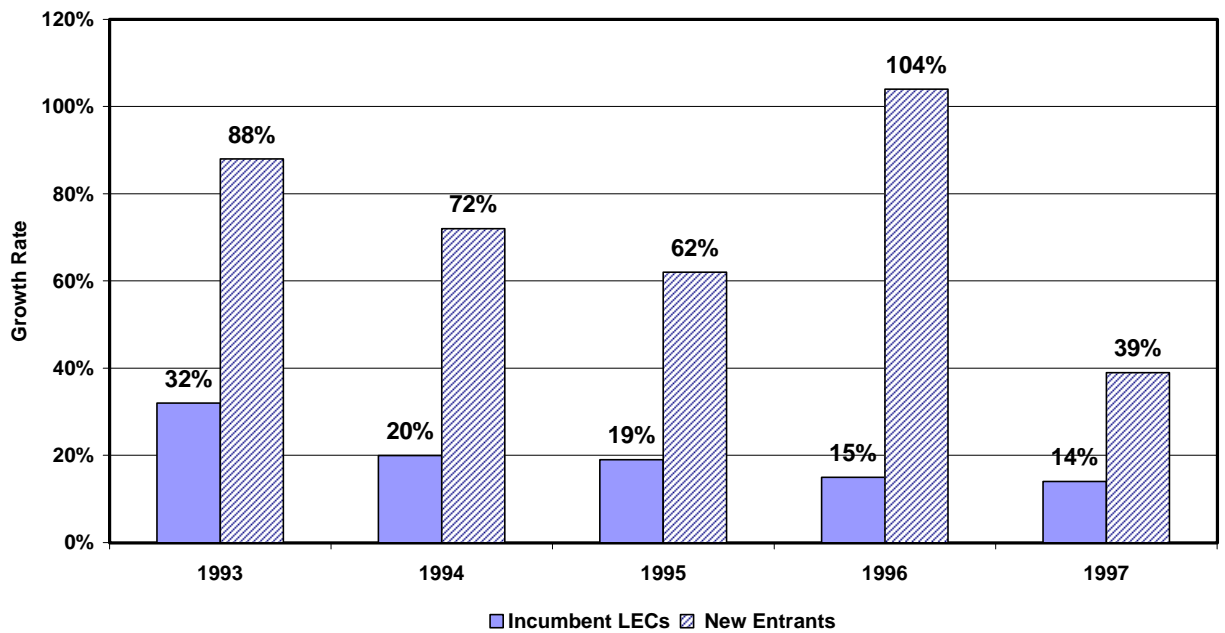
Tables 2.3 through 2.5 rely on the reporting format of the Universal Service Worksheets and permit a more detailed analysis of service revenues than was possible using TRS Worksheet data. Table 2.3 shows data reported on Universal Service Worksheets as *revenue from services provided to other carriers*. Table 2.4 shows data reported on Universal Service Worksheets as *revenue from services provided to end users*. Together, these tables represent most of the telecommunications service provided by the industry. They do not contain about \$2.3 billion of revenue from carriers that were considered de minimis for universal service contribution purposes. Table 2.5 augments Universal Service Worksheet data with data from the TRS Worksheets of these other carriers in order to show the total size of the industry.

Table 2.3 shows that CAPs, CLECs, and other primarily local competitors accounted for only about 3.3% of local services provided to other carriers. Similarly, Table 2.4 shows that these competitors provided only about 1.2% of local services to end users. These carriers, however, reported about 13.6% of the total special access and local private line services provided to other carriers and 6.3% 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.

**Chart 2.1
Fiber Miles**



**Chart 2.2
Percentage Growth In Fiber Systems**



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

					TRS & USF Data
	1993	1994	1995	1996	1997
Number of Local Competitors					
RBOCs & Other Incumbent LECs	1,281	1,347	1,347	1,371	1,411
CAPs & CLECs	20	30	57	94	103
Local Resellers, Shared Tenant, Private Carriers & Other Local	n.a	n.a	n.a	15	43
All other carriers reporting any local service revenue	<u>n.a</u>	<u>n.a</u>	<u>n.a</u>	<u>74</u>	<u>293</u>
Total	1,301	1,377	1,404	1,480	1,850
Local Service Revenues **					
Incumbent LECs					
Bell Operating Companies ***	\$58,838	\$61,415	\$65,485	\$70,290	\$68,993
Other Incumbent LECs ***	<u>20,894</u>	<u>22,507</u>	<u>24,269</u>	<u>24,899</u>	<u>25,355</u>
Total ***	79,732	83,922	89,754	95,189	94,347
Local Service Competitors					
CAPs & CLECs	174	269	595	949	1,581
Local Resellers, Shared Tenant, Private Carriers & Other Local	n.a	n.a	n.a	n.a	224
All other carriers reporting any local service revenue	<u>243</u>	<u>212</u>	<u>297</u>	<u>291</u>	<u>1,274</u>
Total	417	481	892	1,240	3,079
Total	80,149	84,403	90,646	96,429	97,426
Share of Local Service Revenues					
Incumbent LECs					
Bell Operating Companies	73.4%	72.8%	72.2%	72.9%	70.8%
Other Incumbent LECs	<u>26.1%</u>	<u>26.7%</u>	<u>26.8%</u>	<u>25.8%</u>	<u>26.0%</u>
Total	99.5%	99.4%	99.0%	98.7%	96.8%
Local Service Competitors					
CAPs & CLECs	0.2%	0.3%	0.7%	1.0%	1.6%
Local Resellers, Shared Tenant, Private Carriers & Other Local	n.a	n.a	n.a	n.a	0.2%
All other carriers reporting any local service revenue	<u>0.3%</u>	<u>0.3%</u>	<u>0.3%</u>	<u>0.3%</u>	<u>1.3%</u>
Total	0.5%	0.6%	1.0%	1.3%	3.2%

* 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.

*** 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.

Source: *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
Total Telecommunications Revenues including local, mobile & toll service						
Incumbent LECs **	\$91,584	\$95,228	\$98,431	\$102,820	\$107,905	\$105,154
CAPs & CLECs	69	191	274	637	1,012	1,919
Local Resellers, Shared Tenant, Private Carriers & Other Local	n.a	n.a	n.a	n.a	n.a	562
All other carriers reporting any local service revenue	n.a	n.a	n.a	n.a	n.a	74,421
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
Industry Total	153,409	165,342	174,890	190,076	211,782	231,168
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
Local Resellers, Shared Tenant, Private Carriers & Other Local						187 : 1
Share of industry total telecommunications revenues						
Incumbent LECs **	59.7%	57.6%	56.3%	54.1%	51.0%	45.5%
CAPs & CLECs	0.0%	0.1%	0.2%	0.3%	0.5%	0.8%
Local Resellers, Shared Tenant, Private Carriers & Other Local						0.2%

* Some previously published data have been revised.

** Incumbent LEC telecommunications 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.

Table 2.3
Revenue for Services Provided to Other Carriers for Resale
Reported by Carriers that Contribute to Universal Service Support Mechanisms *

Telecommunications Service Providers that filed a Universal Service Worksheet FCC 457 Line #	Revenue by Service Category for 1997 (Amounts shown in millions)				Percentage of Industry Revenue			
	RBOCs & Other Incumbent LECs	CAPs CLECs & Other Local Competitors	Wireless, Toll & Other Carriers	All Filers	RBOCs & Other Incumbent LECs	CAPs CLECs & Other Local Competitors	Wireless, Toll & Other Carriers	
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	\$11.9	\$37.6	\$4.1	\$53.6	22.2 %	70.1 %	7.6 %
22 b	Provided under tariffs or arrangements other than unbundled network elements	359.0	18.3	17.5	394.8	90.9	4.6	4.4
	Per minute charges for originating or terminating calls							
23 a	Provided as unbundled network elements or other contract arrangement	66.9	26.3	17.1	110.3	60.7	23.8	15.5
23 b	Provided under state or federal access tariff	21,151.7	127.7	33.0	21,312.4	99.2	0.6	0.2
	Total per minute access charges							
		21,218.6	154.0	50.1	21,422.7	99.0	0.7	0.2
24	Local private line & special access	3,907.8	615.9	18.4	4,542.1	86.0	13.6	0.4
25	Pay telephone compensation from toll carriers	143.4	6.6	152.2	302.2	47.5	2.2	50.4
26	Other local telecommunications service revenues	153.9	91.9	17.1	262.9	58.5	35.0	6.5
27	Universal service support receipts	1,142.7	0.5	0.7	1,143.9	99.9	0.0	0.1
	Total fixed local service provided for resale							
		26,937.3	924.8	260.1	28,122.2	95.8	3.3	0.9
Mobile service:								
28	Wireless telephony, paging messaging, and other mobile service monthly, activation, and message charges except toll	230.3	2.1	2,503.8	2,736.2	8.4	0.1	91.5
	Total mobile service provided for resale							
		230.3	2.1	2,503.8	2,736.2	8.4	0.1	91.5
Toll service:								
29	Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.)	27.3	1.9	738.8	768.0	3.6	0.2	96.2
30	Other switched toll service (includes MTS, 800/888 service, etc.)	282.0	25.7	7,106.8	7,414.5	3.8	0.3	95.9
31	Long distance private line services	24.7	34.8	1,224.6	1,284.1	1.9	2.7	95.4
32	Satellite services	1.2	15.0	568.0	584.2	0.2	2.6	97.2
33	All other long distance services	50.1	6.2	1,294.3	1,350.6	3.7	0.5	95.8
	Total toll service provided for resale							
		385.4	83.5	10,932.5	11,401.4	3.4	0.7	95.9
	Total service provided for resale (Carrier's Carrier)							
		27,553.0	1,010.5	13,696.3	42,259.8	65.2 %	2.4 %	32.4 %

Note: Figures may not add due to rounding.

* 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 2.4
Revenue for Services Provided to End Users
Reported by Carriers that Contribute to Universal Service Support Mechanisms *

Telecommunications Service Providers that filed a Universal Service Worksheet FCC 457 Line #	Revenue by Service Category for 1997 (Amounts shown in millions)				Percentage of Industry Revenue			
	RBOCs & Other Incumbent LECs	CAPs CLECs & Other Local Competitors	Wireless, Toll & Other Carriers	All Filers	RBOCs & Other Incumbent LECs	CAPs CLECs & Other Local Competitors	Wireless, Toll & Other Carriers	
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	\$51,577.5	\$324.7	\$276.7	\$52,178.9	98.8 %	0.6 %	0.5 %
35	Tariffed subscriber line charges	<u>8,188.0</u>	<u>131.6</u>	<u>7.3</u>	<u>8,326.9</u>	<u>98.3</u>	<u>1.6</u>	<u>0.1</u>
	Local exchange service (line 34 + line 35)	59,765.5	456.3	284.0	60,505.8	98.8	0.8	0.5
36	Local private line and special access service	3,481.3	235.6	22.7	3,739.6	93.1	6.3	0.6
37	Pay telephone coin revenues	1,378.7	53.7	447.0	1,879.4	73.4	2.9	23.8
38	Other local telecommunications service revenues	2,291.3	84.9	207.5	2,583.7	88.7	3.3	8.0
	Total fixed local service	66,916.8	830.4	961.4	68,708.6	97.4	1.2	1.4
Mobile service:								
39	Monthly and activation charges	218.1	62.7	14,747.1	15,027.9	1.5	0.4	98.1
40	Message charges including roaming but excluding toll charges	142.0	61.7	14,792.2	14,995.9	0.9	0.4	98.6
	Total Mobile Service	360.1	124.4	29,539.4	30,023.9	1.2	0.4	98.4
Toll service:								
41	Pre-paid calling card (including card sales to customers and to retail establishments)	15.9	8.8	930.7	955.4	1.7	0.9	97.4
42	International calls that both originate and terminate in foreign points		0.1	561.1	561.2	0.0	0.0	100.0
43	Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.) other than revenue reported on line 42	419.3	18.7	9,279.4	9,717.4	4.3	0.2	95.5
44	Other switched toll service (includes MTS, 800/888 service, etc.)	8,349.9	304.4	53,405.8	62,060.1	13.5	0.5	86.1
45	Long distance private line services	921.5	54.2	8,243.7	9,219.4	10.0	0.6	89.4
46	Satellite services	0.3	18.2	169.1	187.6	0.2	9.7	90.1
47	All other long distance services	96.4	61.2	5,000.1	5,157.7	1.9	1.2	96.9
	Total toll service (excluding Line 42 calls that both originate and terminate in foreign points)	9,803.3	465.6	77,589.9	87,858.8	11.2	0.5	88.2
	Total end user revenue	77,080.2	1,420.4	108,090.7	186,591.3	41.3 %	0.8 %	57.9 %
	Total service provided for resale	27,553.0	1,010.5	13,696.3	42,259.8	65.2	2.4	32.4
	<u>Total end user revenue</u>	<u>77,080.2</u>	<u>1,420.4</u>	<u>108,090.8</u>	<u>186,591.4</u>	<u>41.3</u>	<u>0.8</u>	<u>57.9</u>
	Total telecommunications revenue	104,633.2	2,430.9	121,787.1	228,851.2	45.7	1.1	53.2
49	Enhanced services, billing and collection, customer premises equipment, published directory and <u>non-telecommunications service revenue</u>	<u>8,493.7</u>	<u>577.2</u>	<u>16,562.3</u>	<u>25,633.2</u>	33.1	2.3	64.6
50	Gross billed revenue from all sources	113,126.9	3,008.1	138,349.2	254,484.2	44.5	1.2	54.4

Note: Figures may not add due to rounding.

* 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 1997 (Amounts shown in millions)				Percentage of Industry Revenue		
	RBOCs & Other Incumbent LECs	CAPs CLECs & Other Local Competitors	Wireless, Toll & Other Carriers	All Filers	RBOCs & Other Incumbent LECs	CAPs CLECs & Other Local Competitors	Wireless, Toll & Other Carriers
Universal Service Worksheet Data: *							
Per minute access	21,218.6	154.0	50.1	21,422.7	99.0 %	0.7 %	0.2 %
<u>Other local service revenue</u>	<u>72,635.5</u>	<u>1,601.2</u>	<u>1,171.4</u>	<u>75,408.1</u>	96.3	2.1	1.6
Local service revenue	93,854.1	1,755.2	1,221.5	96,830.8	96.9	1.8	1.3
Mobile service revenue	590.4	126.5	32,043.2	32,760.1	1.8	0.4	97.8
<u>Toll service revenue</u>	<u>10,188.7</u>	<u>549.1</u>	<u>88,522.4</u>	<u>99,260.2</u>	10.3	0.6	89.2
Total telecommunications revenue included on Universal Service Worksheets	\$104,633.2	\$2,430.8	\$121,787.2	\$228,851.2	45.7	1.1	53.2
TRS Worksheet Data: *							
<i>Revenues reported by service providers that filed TRS Worksheets but not Universal Service Worksheets:</i>							
Per minute access	349.8	16.0	21.1	386.9	90.4	4.1	5.5
<u>Other local service revenue</u>	<u>143.5</u>	<u>33.2</u>	<u>31.8</u>	<u>208.5</u>	68.8	15.9	15.3
Local service revenue	493.3	49.2	52.9	595.4	82.9	8.3	8.9
Mobile service revenue	0.5	0.0	188.9	189.4	0.3	0.0	99.7
<u>Toll service revenue</u>	<u>26.6</u>	<u>0.8</u>	<u>1,505.0</u>	<u>1,532.4</u>	1.7	0.1	98.2
Total telecommunications revenue not included on Universal Service Worksheets	520.4	50.0	1,746.8	2,317.2	22.5	2.2	75.4
USF and TRS worksheet data combined: *							
Per minute access	21,568.4	170.0	71.2	21,809.6	98.9	0.8	0.3
<u>Other local service revenue</u>	<u>72,779.0</u>	<u>1,634.4</u>	<u>1,203.2</u>	<u>75,616.6</u>	96.2	2.2	1.6
Local service revenue	94,347.4	1,804.4	1,274.4	97,426.2	96.8	1.9	1.3
Mobile service revenue	590.9	126.5	32,232.1	32,949.5	1.8	0.4	97.8
<u>Toll service revenue</u>	<u>10,215.3</u>	<u>549.9</u>	<u>90,027.5</u>	<u>100,792.7</u>	10.1	0.5	89.3
Total Telecommunications Revenue	105,153.6	2,480.8	123,534.0	231,168.4	45.5 %	1.1 %	53.4 %
Percentage of revenue by line of business							
Per minute access	20.5%	6.9%	0.1%	9.4%			
<u>Other local service revenue</u>	<u>69.2%</u>	<u>65.9%</u>	<u>1.0%</u>	<u>32.7%</u>			
Local service revenue	89.7%	72.7%	1.0%	42.1%			
Mobile service revenue	0.6%	5.1%	26.1%	14.3%			
Toll service revenue	9.7%	22.2%	72.9%	43.6%			

Note: Figures may not add due to rounding.

* 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. Thus, about half of all carriers do not file Universal Service worksheets. These exempt carriers, however, do file TRS worksheets. The combined data best represents the entire industry.

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

This section presents *nationwide* and *state-by-state* 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: resold ILEC services (resold lines); ILEC local unbundled network element loops (UNE loops); and space in ILEC switching centers (collocation). The information summarized in this section comes from voluntary surveys submitted by large ILECs, which provide information for all states except Alaska.

The Common Carrier Bureau undertook the surveys to collect information on local competition from volunteers in both the CLEC and ILEC communities. The intent of the surveys was two-fold. First, to gain information about the development of local competition. Second, to "field test" reporting procedures that will enable the Commission to obtain adequate information without imposing burdensome requirements. As both carrier volunteers and Commission staff gained experience, the survey form has evolved into one that focuses primarily on the number and types of lines served. Although the responses to the most recent survey are not yet available, the questionnaire itself is attached as Appendix A.

Table 3.1 summarizes information about CLEC resale of ILEC voice grade services delivered to customers over voice grade lines.¹¹ As indicated there, at mid-year 1998, about 1.5% of nationwide ILEC switched voice grade lines were used by CLECs to resell ILEC services to CLEC customers -- an increase of about 50% since the end of 1997. Among the states for which information was submitted, percentages for individual large ILECs were reported to range from 0% of ILEC voice grade switched lines (for 5 ILEC operations located in 5 states) to 9% (for U S WEST operations in Iowa). West Virginia was the single state in which no large ILEC reported providing any such lines to local service competitors. No information was submitted for Alaska.

Table 3.2 summarizes information about the types of customers receiving resold ILEC services from CLECs. Again, this information is provided by large ILECs. From these preliminary data, it appears that about 40% of resold ILEC lines serve CLEC residential customers, rather than CLEC business or government customers. There is considerable state-by-state variation yet to be explained. Also, we do not yet have similar information, from CLECs, about the types of customers served by CLECs over unbundled ILEC loops or the CLEC's own facilities.

¹¹ 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.)

Tables 3.3 indicates that a far smaller number of ILEC voice grade lines are provided to CLECs as UNE loops than as resold lines. On a nationwide basis, resold ILEC lines outnumbered UNE loops by a factor of approximately 10 to 1 at mid-year 1998. The number of UNE loops, however, nearly doubled from the end of 1997. Percentages of ILEC voice grade lines provided as UNE loops were reported to range from 0% (for 35 ILEC operations in 28 states) to 1% (for SBC operations in Nevada). In 12 states, no large ILEC reported providing any UNE loops to CLECs: Hawaii, Idaho, Indiana, Iowa, Montana, Nebraska, North Carolina, North Dakota, South Dakota, Vermont, West Virginia, and Wyoming. No information was submitted for Alaska.

Table 3.4 provides information similar to the information presented in Table 3.1 except that the numbers of lines reported in Table 3.4 also include high capacity lines (measured as numbers of voice grade-equivalent lines) over which switched services are delivered to high-usage end users. Such high-usage customers typically would be businesses or government. Examples of high-capacity facilities over which switched services may be delivered to customers include T-1/DS1, primary rate ISDN, and several versions of DSL (Digital Subscriber Line). These are facilities with 1.544 mbps, or greater, transmission capacity, compared to a 64 kbps voice grade circuit. Similarly, Table 3.5 revises the information presented in Table 3.3 to include high capacity lines (measured, again, as numbers of voice grade-equivalent lines). While there are only small differences between the results presented in Table 3.4 and those presented in Table 3.1, or between the results presented in Table 3.5 and those presented in Table 3.3, the differences may increase over time if switched services delivered over high-capacity facilities become a more important part of the local telephone services market.¹²

Although CLECs used low percentages of ILEC switched customer lines at mid-year 1998, there is potential for significant gains. CLECs have collocation arrangements in ILEC switching centers serving much larger percentages of ILEC customers. Table 3.6 indicates that CLECs have operational collocation arrangements in switching centers serving about 32% of ILEC voice grade customer lines, on a nationwide basis. By type of customer, Table 3.7 shows that these switching centers serve about 25% of ILEC voice grade lines connected to residential customers and about 44% of ILEC voice grade lines connected to business and government customers. In addition, Table 3.6 indicates that these switching centers serve about 57% of ILEC high capacity lines over which switched services are delivered to high-usage customers -- a further indication that CLECs have placed their collocation arrangements in those ILEC switching centers that serve, in particular, business and government customers.

¹² Some industry observers note that consistent measurement of customer lines provided over high-capacity facilities is a problem in comparing numbers of lines provided by CLECs and ILECs. See, e.g., P. Bernier, *Getting a Handle on Access Line Growth: Numbers Sometimes Lie*, X-CHANGE, October 1998, at 16; D. Reingold and J. Sini, Jr., *The Business Line Migration Phenomenon: The Numbers Don't Lie, ILEC Growth Remains Robust*, Telecom Services--Local, Merrill Lynch & Co., 12 June 1998 (arguing that differing methods of counting higher capacity customer lines results in undercounted ILEC lines compared to CLECs). Calculations presented in this report that involve high capacity lines should be considered preliminary.

The voluntary surveys do not provide comprehensive information about the number of customer lines that CLECs serve 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. We do note, however, that some industry observers believe CLECs provide, on average, about a quarter of their lines over their own facilities, and that CLECs currently provide, in total, between 4 and 5 million switched lines, which is less than 3% of nationwide switched access lines.¹³

¹³ See D. Reingold and M. Kastan, *CLEC Vital Signs: Update For 3Q98 Results And Trends*, Merrill Lynch & Co., 18 November 1998, at tbl. 7 (estimating that 27% of total CLEC access lines in service in the third quarter of 1998 were provided solely over CLEC facilities (on-net), compared to 26% in the second quarter), and tbl. 11 (estimating 4 million CLEC local access lines in service at the end of September, 1998, and forecasting 4.7 million such lines at the end of the year; estimating that these numbers represent about 2.2% and 2.7% of total U.S. access lines, respectively).

Table 3.1
Lines Provided by Large ILECs to CLECs for Resale
(Voice Grade Service Over Voice Grade Facilities)

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	AS OF JUNE 30, 1998			AS OF DECEMBER 31, 1997		
			TOTAL SWITCHED LINES (thousands)	RESOLD LINES (thousands)	PERCENT RESALE	TOTAL SWITCHED LINES (thousands)	RESOLD LINES (thousands)	PERCENT RESALE
ALABAMA	2,405	BellSouth	1,881	25	1.3 %	*	15	* %
ARIZONA	2,732	U S WEST	2,615	4	0.2	*	1	*
ARKANSAS	1,369	SBC	958	15	1.5	*	8	*
CALIFORNIA	21,483	GTE	4,443	39	0.9	4,394	26	0.6
		SBC	17,792	251	1.4	*	252	*
COLORADO	2,644	U S WEST	2,583	16	0.6	2,554	8	0.3
CONNECTICUT	2,152	SNET	2,137	31	1.5	2,120	28	1.3
DELAWARE	532	Bell Atlantic	557	7	1.3	*	*	*
DIST. OF COLUMBIA	920	Bell Atlantic	935	7	0.7	*	3	*
FLORIDA	10,491	BellSouth	6,297	95	1.5	6,231	67	1.1
		GTE	2,240	28	1.3	2,232	12	0.5
		Sprint	1,983	15	0.8	1,931	9	0.4
GEORGIA	4,770	BellSouth	4,028	89	2.2	4,003	62	1.5
HAWAII	708	GTE	712	**	***	711	**	***
IDAHO	681	U S WEST	470	**	***	493	**	***
ILLINOIS	7,981	Ameritech	7,226	201	2.8	6,851	172	2.5
		GTE	895	**	***	882	0	0.0
INDIANA	3,471	Ameritech	2,221	5	0.2	2,167	**	***
		GTE	932	**	***	922	0	0.0
		Sprint	240	0	0.0	234	0	0.0
IOWA	1,589	U S WEST	1,060	99	9.3	1,049	82	7.8
KANSAS	1,585	SBC	1,348	50	3.7	*	29	*
		Sprint	140	**	0.3	*	*	*
KENTUCKY	2,064	BellSouth	1,184	20	1.7	*	8	*
		GTE	531	1	0.2	524	**	0.1
LOUISIANA	2,435	BellSouth	2,303	44	1.9	2,256	16	0.7
MAINE	808	Bell Atlantic	677	2	0.2	681	**	***
MARYLAND	3,494	Bell Atlantic	3,638	11	0.3	*	2	*
MASSACHUSETTS	4,464	Bell Atlantic	4,396	85	1.9	4,517	41	0.9

Table 3.1
Lines Provided by Large ILECs to CLECs for Resale
(Voice Grade Service Over Voice Grade Facilities) - Continued

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	AS OF JUNE 30, 1998			AS OF DECEMBER 31, 1997		
			TOTAL SWITCHED LINES (thousands)	RESOLD LINES (thousands)	PERCENT RESALE	SWITCHED LINES (thousands)	RESOLD LINES (thousands)	PERCENT RESALE
MICHIGAN	6,258	Ameritech	5,594	155	2.8 %	5,341	151	2.8 %
		GTE	739	0	0.0	725	0	0.0
MINNESOTA	2,878	Sprint	153	0	0.0	148	0	0.0
		U S WEST	2,202	55	2.5	2,199	30	1.4
MISSISSIPPI	1,321	BellSouth	1,248	27	2.2	*	13	*
MISSOURI	3,324	SBC	2,527	23	0.9	*	5	*
		Sprint	*	*	*	246	0	0.0
MONTANA	508	U S WEST	356	1	0.1	355	**	0.1
NEBRASKA	995	U S WEST	533	1	0.2	*	*	*
NEVADA	1,207	SBC	340	2	0.5	*	3	*
		Sprint	*	*	*	*	5	*
NEW HAMPSHIRE	818	Bell Atlantic	771	9	1.1	*	*	*
NEW JERSEY	6,201	Bell Atlantic	6,239	27	0.4	*	6	*
		Sprint	*	*	*	197	0	0.0
NEW MEXICO	901	U S WEST	778	**	***	*	**	*
NEW YORK	12,715	Bell Atlantic	11,573	199	1.7	*	121	*
NORTH CAROLINA	4,695	BellSouth	2,368	24	1.0	2,322	8	0.3
		GTE	334	1	0.2	333	**	0.1
		Sprint	1,399	7	0.5	*	*	*
NORTH DAKOTA	402	U S WEST	248	10	3.9	253	2	0.9
OHIO	6,729	Ameritech	4,166	76	1.8	4,020	59	1.5
		GTE	860	**	***	846	0	0.0
		Sprint	*	*	*	594	0	0.0
OKLAHOMA	1,954	SBC	1,631	21	1.3	*	9	*
OREGON	2,022	GTE	463	**	***	462	0	0.0
		U S WEST	1,346	45	3.4	1,353	37	2.8
PENNSYLVANIA	7,951	Bell Atlantic	6,358	71	1.1	*	30	*
		GTE	642	**	***	635	0	0.0
		Sprint	376	**	0.1	*	*	*
RHODE ISLAND	653	Bell Atlantic	650	4	0.6	*	*	*
SOUTH CAROLINA	2,147	BellSouth	1,416	29	2.1	1,399	13	0.9
		Sprint	99	1	0.9	*	*	*

Table 3.1
Lines Provided by Large ILECs to CLECs for Resale
(Voice Grade Service Over Voice Grade Facilities) - Continued

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	AS OF JUNE 30, 1998			AS OF DECEMBER 31, 1997		
			TOTAL SWITCHED LINES (thousands)	RESOLD LINES (thousands)	PERCENT RESALE	TOTAL SWITCHED LINES (thousands)	RESOLD LINES (thousands)	PERCENT RESALE
SOUTH DAKOTA	406	U S WEST	271	12	4.3 %	268	4	1.4 %
TENNESSEE	3,271	BellSouth Sprint	2,622 251	23 1	0.9 0.3	2,614 *	14 *	0.6 *
TEXAS	12,006	GTE SBC Sprint	1,893 9,435 370	13 283 4	0.7 3.0 1.1	1,861 * 356	10 215 2	0.6 * 0.6
UTAH	1,100	U S WEST	1,069	6	0.5	*	5	*
VERMONT	394	Bell Atlantic	333	1	0.2	335	0	0.0
VIRGINIA	4,381	Bell Atlantic GTE Sprint	3,452 574 *	9 ** *	0.3 *** *	* 563 385	4 ** 0	* *** 0.0
WASHINGTON	3,500	GTE Sprint U S WEST	833 84 2,470	** 0 46	*** 0.0 1.9	829 82 2,401	** 0 32	* 0.0 1.3
WEST VIRGINIA	959	Bell Atlantic	820	0	0.0	803	0	0.0
WISCONSIN	3,296	Ameritech GTE	2,283 490	30 **	1.3 ***	2,211 480	14 **	0.6 ***
WYOMING	284	U S WEST	241	1	0.5	*	*	*
Total lines publicly reported	172,055		159,325	2,357		76,964	1,635	
Lines withheld to maintain confidentiality	0		2,310	5		81,504	4	
Total lines	172,055		161,635	2,363	1.5 %	158,468	1,639	1.0 %

* Withheld to maintain confidentiality as requested by reporting company.

** Amount is 500 or fewer lines.

*** Amount is 0.05% or less.

Source: Compiled from data reported in voluntary local competition surveys posted at <http://www.fcc.gov/ccb/local_competition> on the World Wide Web. Numbers may not sum precisely due to rounding.

Notes: The surveys asked about lines in service to end users for the provision of switched service. Because not all ILECs were surveyed, the table also presents total state lines as measured for determining Universal Service Fund payments. Questions were refined between surveys, and reported data may not be strictly comparable in part for this reason. GTE data as of 6/30/98 have been adjusted for apparent reporting of individual channel service (voice grade) lines as individual higher capacity (T-1) lines.

Table 3.2
CLEC Customers Served by Resold ILEC Switched Lines
(Voice Grade Service Over Voice Grade Facilities as of June 30,1998)

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	TOTAL SWITCHED LINES (thousands)	RESOLD SWITCHED LINES:			PERCENT RESIDENTIAL	PERCENT OTHER
				RESIDENTIAL CUSTOMERS (thousands)	OTHER CUSTOMERS (thousands)	TOTAL (thousands)		
ALABAMA	2,405	BellSouth	1,881	15	10	25	61 %	39 %
ARIZONA	2,732	U S WEST	2,615	2	2	4	57	43
ARKANSAS	1,369	SBC	958	13	1	15	91	9
CALIFORNIA	21,483	GTE	4,443	37	3	39	93	7
		SBC	17,792	128	123	251	51	49
COLORADO	2,644	U S WEST	2,583	2	14	16	13	87
CONNECTICUT	2,152	SNET	2,137	21	10	31	67	33
DELAWARE	532	Bell Atlantic	557	6	1	7	80	20
DIST. OF COLUMBIA	920	Bell Atlantic	935	1	5	7	20	80
FLORIDA	10,491	BellSouth	6,297	38	57	95	40	60
		GTE	2,240	16	12	28	58	42
		Sprint	1,983	6	9	15	42	58
GEORGIA	4,770	BellSouth	4,028	58	31	89	65	35
HAWAII	708	GTE	712	**	**	**	50	50
IDAHO	681	U S WEST	470	**	**	**	90	10
ILLINOIS	7,981	Ameritech	7,226	88	112	201	44	56
		GTE	895	**	**	**	5	95
INDIANA	3,471	Ameritech	2,221	1	4	5	18	82
		GTE	932	**	**	**	67	33
		Sprint	240	0	0	0	n.a.	n.a.
IOWA	1,589	U S WEST	1,060	**	98	99	0	100
KANSAS	1,585	SBC	1,348	23	27	50	46	54
		Sprint	140	**	**	**	98	2
KENTUCKY	2,064	BellSouth	1,184	8	12	20	42	58
		GTE	531	**	1	1	9	91
LOUISIANA	2,435	BellSouth	2,303	29	15	44	67	33
MAINE	808	Bell Atlantic	677	**	2	2	1	99
MARYLAND	3,494	Bell Atlantic	3,638	4	7	11	40	60
MASSACHUSETTS	4,464	Bell Atlantic	4,396	10	75	85	12	88

Table 3.2
CLEC Customers Served by Resold ILEC Switched Lines
(Voice Grade Service Over Voice Grade Facilities as of June 30,1998) - Continued

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	TOTAL SWITCHED LINES (thousands)	RESOLD SWITCHED LINES:				
				RESIDENTIAL CUSTOMERS (thousands)	OTHER CUSTOMERS (thousands)	TOTAL (thousands)	PERCENT RESIDENTIAL	PERCENT OTHER
MICHIGAN	6,258	Ameritech	5,594	112	42	155	73 %	27 %
		GTE	739	0	0	0	n.a.	n.a.
MINNESOTA	2,878	Sprint	153	0	0	0	n.a.	n.a.
		U S WEST	2,202	3	52	55	6	94
MISSISSIPPI	1,321	BellSouth	1,248	23	4	27	86	14
MISSOURI	3,324	SBC	2,527	14	9	23	62	38
		Sprint	*	*	*	*	*	*
MONTANA	508	U S WEST	356	**	**	1	36	64
NEBRASKA	995	U S WEST	533	**	1	1	1	99
NEVADA	1,207	SBC	340	**	1	2	19	81
		Sprint	*	*	*	*	*	*
NEW HAMPSHIRE	818	Bell Atlantic	771	**	8	9	3	97
NEW JERSEY	6,201	Bell Atlantic	6,239	16	11	27	60	40
		Sprint	*	*	*	*	*	*
NEW MEXICO	901	U S WEST	778	**	**	**	2	98
NEW YORK	12,715	Bell Atlantic	11,573	33	166	199	16	84
NORTH CAROLINA	4,695	BellSouth	2,368	6	18	24	24	76
		GTE	334	**	**	1	12	88
		Sprint	1,399	4	3	7	54	46
NORTH DAKOTA	402	U S WEST	248	**	10	10	1	99
OHIO	6,729	Ameritech	4,166	1	75	76	2	98
		GTE	860	**	**	**	17	83
		Sprint	*	*	*	*	*	*
OKLAHOMA	1,954	SBC	1,631	17	4	21	80	20
OREGON	2,022	GTE	463	**	**	**	57	43
		U S WEST	1,346	2	44	45	4	96
PENNSYLVANIA	7,951	Bell Atlantic	6,358	30	41	71	43	57
		GTE	642	**	**	**	25	75
		Sprint	376	**	**	**	76	24
RHODE ISLAND	653	Bell Atlantic	650	**	4	4	1	99
SOUTH CAROLINA	2,147	BellSouth	1,416	16	13	29	54	46
		Sprint	99	1	**	1	100	0

Table 3.2
CLEC Customers Served by Resold ILEC Switched Lines
(Voice Grade Service Over Voice Grade Facilities as of June 30,1998) - Continued

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	TOTAL SWITCHED LINES (thousands)	RESOLD SWITCHED LINES:				
				RESIDENTIAL CUSTOMERS (thousands)	OTHER CUSTOMERS (thousands)	TOTAL (thousands)	PERCENT RESIDENTIAL	PERCENT OTHER
SOUTH DAKOTA	406	U S WEST	271	**	12	12	0 %	100 %
TENNESSEE	3,271	BellSouth Sprint	2,622 251	17 **	6 1	23 1	74 18	26 82
TEXAS	12,006	GTE SBC Sprint	1,893 9,435 370	12 195 3	1 88 1	13 283 4	94 69 85	6 31 15
UTAH	1,100	U S WEST	1,069	1	5	6	15	85
VERMONT	394	Bell Atlantic	333	**	1	1	0	100
VIRGINIA	4,381	Bell Atlantic GTE Sprint	3,452 574 *	2 ** *	7 ** *	9 ** *	25 37 6	75 63 94
WASHINGTON	3,500	GTE Sprint U S WEST	833 84 2,470	** 0 1	** 0 45	** 0 46	58 n.a. 2	42 n.a. 98
WEST VIRGINIA	959	Bell Atlantic	820	0	0	0	n.a.	n.a.
WISCONSIN	3,296	Ameritech GTE	2,283 490	3 **	26 **	30 **	11 92	89 8
WYOMING	284	U S WEST	241	0	1	1	0	100
Total lines publicly reported	172,055		159,325	1,025	1,333	2,357		
Lines withheld to maintain confidentiality	0		2,310	2	3	5		
Total lines	172,055		161,635	1,027	1,336	2,363	43 %	57 %

* Withheld to maintain confidentiality as requested by reporting company.

** Amount is 500 or fewer lines.

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

Source: Compiled from data reported in voluntary local competition surveys posted at <http://www.fcc.gov/ccb/local_competition> on the World Wide Web. Numbers may not sum precisely due to rounding.

Table 3.3
Lines Provided by Large ILECs to CLECs as UNE Loops
(Voice Grade Service Over Voice Grade Facilities)

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	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
ALABAMA	2,405	BellSouth	1,881	1	*** %	*	*	* %
ARIZONA	2,732	U S WEST	2,615	1	***	*	*	*
ARKANSAS	1,369	SBC	958	**	***	*	*	*
CALIFORNIA	21,483	GTE	4,443	1	***	4,394	**	***
		SBC	17,792	52	0.3	*	*	0.1
COLORADO	2,644	U S WEST	2,583	**	***	2,554	0	0.0
CONNECTICUT	2,152	SNET	2,137	3	0.1	2,120	2	0.1
DELAWARE	532	Bell Atlantic	557	1	0.1	*	*	*
DIST. OF COLUMBIA	920	Bell Atlantic	935	**	***	*	*	***
FLORIDA	10,491	BellSouth	6,297	3	***	6,231	2	***
		GTE	2,240	0	0.0	2,232	**	***
		Sprint	1,983	0	0.0	1,931	0	0.0
GEORGIA	4,770	BellSouth	4,028	2	***	4,003	1	***
HAWAII	708	GTE	712	0	0.0	711	**	***
IDAHO	681	U S WEST	470	0	0.0	493	0	0.0
ILLINOIS	7,981	Ameritech	7,226	14	0.2	6,851	13	0.2
		GTE	895	0	0.0	882	0	0.0
INDIANA	3,471	Ameritech	2,221	0	0.0	2,167	0	0.0
		GTE	932	0	0.0	922	0	0.0
		Sprint	240	0	0.0	234	0	0.0
IOWA	1,589	U S WEST	1,060	0	0.0	1,049	0	0.0
KANSAS	1,585	SBC	1,348	**	***	*	*	*
		Sprint	140	0	0.0	*	0	0.0
KENTUCKY	2,064	BellSouth	1,184	**	***	*	*	*
		GTE	531	0	0.0	524	0	0.0
LOUISIANA	2,435	BellSouth	2,303	**	***	2,256	0	0.0
MAINE	808	Bell Atlantic	677	**	***	681	0	0.0
MARYLAND	3,494	Bell Atlantic	3,638	2	0.1	*	*	*
MASSACHUSETTS	4,464	Bell Atlantic	4,396	3	0.1	4,517	2	***

Table 3.3
Lines Provided by Large ILECs to CLECs as UNE Loops
(Voice Grade Service Over Voice Grade Facilities) - Continued

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	AS OF JUNE 30, 1998			AS OF DECEMBER 31, 1997		
			TOTAL SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE	SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE
MICHIGAN	6,258	Ameritech	5,594	38	0.7 %	5,341	25	0.5 %
		GTE	739	0	0.0	725	0	0.0
MINNESOTA	2,878	Sprint	153	0	0.0	148	0	0.0
		U S WEST	2,202	**	***	2,199	0	0.0
MISSISSIPPI	1,321	BellSouth	1,248	1	0.1	*	*	*
MISSOURI	3,324	SBC	2,527	2	0.1	*	*	*
		Sprint	*	0	0.0	246	0	0.0
MONTANA	508	U S WEST	356	0	0.0	355	0	0.0
NEBRASKA	995	U S WEST	533	0	0.0	*	0	0.0
NEVADA	1,207	SBC	340	4	1.1	*	*	*
		Sprint	*	*	*	*	*	*
NEW HAMPSHIRE	818	Bell Atlantic	771	**	***	*	0	0.0
NEW JERSEY	6,201	Bell Atlantic	6,239	**	***	*	*	*
		Sprint	*	0	0.0	197	0	0.0
NEW MEXICO	901	U S WEST	778	2	0.2	*	*	*
NEW YORK	12,715	Bell Atlantic	11,573	31	0.3	*	*	*
NORTH CAROLINA	4,695	BellSouth	2,368	0	0.0	2,322	0	0.0
		GTE	334	0	0.0	333	**	***
		Sprint	1,399	0	0.0	*	0	0.0
NORTH DAKOTA	402	U S WEST	248	0	0.0	253	0	0.0
OHIO	6,729	Ameritech	4,166	16	0.4	4,020	7	0.2
		GTE	860	0	0.0	846	0	0.0
		Sprint	*	0	0.0	594	0	0.0
OKLAHOMA	1,954	SBC	1,631	1	0.1	*	*	*
OREGON	2,022	GTE	463	0	0.0	462	**	***
		U S WEST	1,346	**	***	1,353	0	0.0
PENNSYLVANIA	7,951	Bell Atlantic	6,358	20	0.3	*	*	*
		GTE	642	**	***	635	0	0.0
		Sprint	376	0	0.0	*	0	0.0
RHODE ISLAND	653	Bell Atlantic	650	2	0.3	*	*	*
SOUTH CAROLINA	2,147	BellSouth	1,416	**	***	1,399	0	0.0
		Sprint	99	0	0.0	*	0	0.0

Table 3.3
Lines Provided by Large ILECs to CLECs as UNE Loops
(Voice Grade Service Over Voice Grade Facilities) - Continued

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	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
SOUTH DAKOTA	406	U S WEST	271	0	0.0 %	268	0	0.0 %
TENNESSEE	3,271	BellSouth	2,622	13	0.5	2,614	5	0.2
		Sprint	251	0	0.0	*	0	0.0
TEXAS	12,006	GTE	1,893	8	0.4	1,861	7	0.4
		SBC	9,435	**	***	*	*	*
		Sprint	370	0	0.0	356	0	0.0
UTAH	1,100	U S WEST	1,069	**	***	*	*	*
VERMONT	394	Bell Atlantic	333	0	0.0	335	0	0.0
VIRGINIA	4,381	Bell Atlantic	3,452	1	***	*	*	*
		GTE	574	0	0.0	563	0	0.0
		Sprint	*	*	*	385	0	0.0
WASHINGTON	3,500	GTE	833	0	0.0	829	0	0.0
		Sprint	84	0	0.0	82	0	0.0
		U S WEST	2,470	**	***	2,401	*	*
WEST VIRGINIA	959	Bell Atlantic	820	0	0.0	803	0	0.0
WISCONSIN	3,296	Ameritech	2,283	1	***	2,211	**	***
		GTE	490	**	0.1	480	**	***
WYOMING	284	U S WEST	241	0	0.0	*	0	0.0
Total lines publicly reported	172,055		159,325	224		76,964	65	
Lines withheld to maintain confidentiality	0		2,310	20		81,504	68	
Total lines	172,055		161,635	244	0.2 %	158,468	133	0.1 %

* Withheld to maintain confidentiality as requested by reporting company.

** Amount is 500 or fewer lines.

*** Amount is 0.05% or less.

Source: Compiled from data reported in voluntary local competition surveys posted at <http://www.fcc.gov/ccb/local_competition> on the World Wide Web. Numbers may not sum precisely due to rounding.

Notes: The surveys asked about lines in service to end users for the provision of switched service. Because not all ILECs were surveyed, the table also presents total state lines as measured for determining Universal Service Fund payments. Questions were refined between surveys, and reported data may not be strictly comparable in part for this reason. GTE data as of 6/30/98 have been adjusted for apparent reporting of individual channel service (voice grade) lines as individual higher capacity (T-1) lines.

Table 3.4
Lines Provided by Large ILECs to CLECs for Resale
(Voice Grade Service Over Voice Grade or Higher Capacity Facilities)

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	AS OF JUNE 30, 1998			AS OF DECEMBER 31, 1997		
			TOTAL SWITCHED LINES (thousands)	RESOLD LINES (thousands)	PERCENT RESALE	TOTAL SWITCHED LINES (thousands)	RESOLD LINES (thousands)	PERCENT RESALE
ALABAMA	2,405	BellSouth	1,924	26	1.4 %	*	15	* %
ARIZONA	2,732	U S WEST	2,744	7	0.2	*	1	*
ARKANSAS	1,369	SBC	976	15	1.5	*	8	*
CALIFORNIA	21,483	GTE SBC	4,443 18,136	39 251	0.9 1.4	4,394 *	26 252	0.6 *
COLORADO	2,644	U S WEST	2,733	20	0.7	2,554	8	0.3
CONNECTICUT	2,152	SNET	2,262	33	1.4	2,120	28	1.3
DELAWARE	532	Bell Atlantic	575	7	1.2	*	*	*
DIST. OF COLUMBIA	920	Bell Atlantic	961	7	0.7	*	3	*
FLORIDA	10,491	BellSouth GTE Sprint	6,466 2,240 2,018	96 28 15	1.5 1.3 0.7	6,231 2,232 1,931	67 12 9	1.1 0.5 0.4
GEORGIA	4,770	BellSouth	4,188	91	2.2	4,003	62	1.5
HAWAII	708	GTE	712	**	***	711	**	***
IDAHO	681	U S WEST	489	**	***	493	**	***
ILLINOIS	7,981	Ameritech GTE	7,348 895	203 **	2.8 ***	6,851 882	172 0	2.5 0.0
INDIANA	3,471	Ameritech GTE Sprint	2,249 932 242	5 ** 0	0.2 *** 0.0	2,167 922 234	** 0 0	*** 0.0 0.0
IOWA	1,589	U S WEST	1,096	99	9.0	1,049	82	7.8
KANSAS	1,585	SBC Sprint	1,372 143	50 **	3.7 0.3	* *	29 *	* *
KENTUCKY	2,064	BellSouth GTE	1,198 531	20 1	1.7 0.2	* 524	8 **	* 0.1
LOUISIANA	2,435	BellSouth	2,338	45	1.9	2,256	16	0.7
MAINE	808	Bell Atlantic	697	2	0.2	681	**	***
MARYLAND	3,494	Bell Atlantic	3,718	11	0.3	*	2	*
MASSACHUSETTS	4,464	Bell Atlantic	4,567	92	2.0	4,517	41	0.9

Table 3.4
Lines Provided by Large ILECs to CLECs for Resale
(Voice Grade Service Over Voice Grade or Higher Capacity Facilities) - Continued

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	AS OF JUNE 30, 1998			AS OF DECEMBER 31, 1997		
			TOTAL SWITCHED LINES (thousands)	RESOLD LINES (thousands)	PERCENT RESALE	SWITCHED LINES (thousands)	RESOLD LINES (thousands)	PERCENT RESALE
MICHIGAN	6,258	Ameritech	5,655	155	2.7 %	5,341	151	2.8 %
		GTE	739	0	0.0	725	0	0.0
MINNESOTA	2,878	Sprint	164	0	0.0	148	0	0.0
		U S WEST	2,337	58	2.5	2,199	30	1.4
MISSISSIPPI	1,321	BellSouth	1,268	28	2.2	*	13	*
MISSOURI	3,324	SBC	2,593	23	0.9	*	5	*
		Sprint	*	*	*	246	0	0.0
MONTANA	508	U S WEST	369	1	0.2	355	**	0.1
NEBRASKA	995	U S WEST	557	2	0.4	*	*	*
NEVADA	1,207	SBC	345	2	0.5	*	3	*
		Sprint	*	*	*	*	5	*
NEW HAMPSHIRE	818	Bell Atlantic	790	10	1.3	*	*	*
NEW JERSEY	6,201	Bell Atlantic	6,441	27	0.4	*	6	*
		Sprint	*	*	*	197	0	0.0
NEW MEXICO	901	U S WEST	807	**	***	*	**	*
NEW YORK	12,715	Bell Atlantic	11,884	202	1.7	*	121	*
NORTH CAROLINA	4,695	BellSouth	2,422	24	1.0	2,322	8	0.3
		GTE	334	1	0.2	333	**	0.1
		Sprint	1,401	7	0.5	*	*	*
NORTH DAKOTA	402	U S WEST	258	10	3.9	253	2	0.9
OHIO	6,729	Ameritech	4,244	78	1.8	4,020	59	1.5
		GTE	860	**	***	846	0	0.0
		Sprint	*	*	*	594	0	0.0
OKLAHOMA	1,954	SBC	1,668	22	1.3	*	9	*
OREGON	2,022	GTE	463	**	***	462	0	0.0
		U S WEST	1,399	46	3.3	1,353	37	2.8
PENNSYLVANIA	7,951	Bell Atlantic	6,452	71	1.1	*	30	*
		GTE	642	**	***	635	0	0.0
		Sprint	381	**	0.1	*	*	*
RHODE ISLAND	653	Bell Atlantic	662	4	0.6	*	*	*
SOUTH CAROLINA	2,147	BellSouth	1,454	30	2.0	1,399	13	0.9
		Sprint	100	1	0.8	*	*	*

Table 3.4
Lines Provided by Large ILECs to CLECs for Resale
(Voice Grade Service Over Voice Grade or Higher Capacity Facilities) - Continued

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	AS OF JUNE 30, 1998			AS OF DECEMBER 31, 1997		
			TOTAL SWITCHED LINES (thousands)	RESOLD LINES (thousands)	PERCENT RESALE	TOTAL SWITCHED LINES (thousands)	RESOLD LINES (thousands)	PERCENT RESALE
SOUTH DAKOTA	406	U S WEST	278	12	4.2 %	268	4	1.4 %
TENNESSEE	3,271	BellSouth Sprint	2,697 255	23 1	0.9 0.3	2,614 *	14 *	0.6 *
TEXAS	12,006	GTE SBC Sprint	1,893 9,717 376	13 285 4	0.7 2.9 1.0	1,861 * 356	10 215 2	0.6 * 0.6
UTAH	1,100	U S WEST	1,119	7	0.7	*	5	*
VERMONT	394	Bell Atlantic	343	1	0.3	335	0	0.0
VIRGINIA	4,381	Bell Atlantic GTE Sprint	3,554 574 *	9 ** *	0.3 *** *	* 563 385	4 ** 0	* *** 0.0
WASHINGTON	3,500	GTE Sprint U S WEST	833 88 2,558	** 0 46	*** 0.0 1.8	829 82 2,401	** 0 32	* 0.0 1.3
WEST VIRGINIA	959	Bell Atlantic	834	0	0.0	803	0	0.0
WISCONSIN	3,296	Ameritech GTE	2,319 490	31 **	1.3 ***	2,211 480	14 **	0.6 ***
WYOMING	284	U S WEST	247	1	0.5	*	*	*
Total lines publicly reported	172,055		163,055	2,398		76,964	1,635	
Lines withheld to maintain confidentiality	0		2,369	5		81,504	4	
Total lines	172,055		165,424	2,403	1.5 %	158,468	1,639	1.0 %

* Withheld to maintain confidentiality as requested by reporting company.

** Amount is 500 or fewer lines.

*** Amount is 0.05% or less.

Source: Compiled from data reported in voluntary local competition surveys posted at <http://www.fcc.gov/ccb/local_competition> on the World Wide Web. Numbers may not sum precisely due to rounding.

Notes: The surveys asked about lines in service to end users for the provision of switched service. Because not all ILECs were surveyed, the table also presents total state lines as measured for determining Universal Service Fund payments. Questions were refined between surveys, and reported data may not be strictly comparable in part for this reason. GTE data as of 6/30/98 have been adjusted for apparent reporting of individual channel service (voice grade) lines as individual higher capacity (T-1) lines.

Table 3.5
Lines Provided by Large ILECs to CLECs as UNE Loops
(Voice Grade Service Over Voice Grade or Higher Capacity Facilities)

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	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
ALABAMA	2,405	BellSouth	1,924	1	*** %	*	*	* %
ARIZONA	2,732	U S WEST	2,744	1	***	*	*	*
ARKANSAS	1,369	SBC	976	**	***	*	*	*
CALIFORNIA	21,483	GTE	4,443	1	***	4,394	**	***
		SBC	18,136	52	0.3	*	*	*
COLORADO	2,644	U S WEST	2,733	**	***	2,554	0	0.0
CONNECTICUT	2,152	SNET	2,262	3	0.1	2,120	2	0.1
DELAWARE	532	Bell Atlantic	575	1	0.1	*	*	*
DIST. OF COLUMBIA	920	Bell Atlantic	961	**	***	*	*	***
FLORIDA	10,491	BellSouth	6,466	3	***	6,231	2	***
		GTE	2,240	0	0.0	2,232	**	***
		Sprint	2,018	0	0.0	1,931	0	0.0
GEORGIA	4,770	BellSouth	4,188	2	***	4,003	1	***
HAWAII	708	GTE	712	0	0.0	711	**	***
IDAHO	681	U S WEST	489	0	0.0	493	0	0.0
ILLINOIS	7,981	Ameritech	7,348	14	0.2	6,851	13	0.2
		GTE	895	0	0.0	882	0	0.0
INDIANA	3,471	Ameritech	2,249	0	0.0	2,167	0	0.0
		GTE	932	0	0.0	922	0	0.0
		Sprint	242	0	0.0	234	0	0.0
IOWA	1,589	U S WEST	1,096	0	0.0	1,049	0	0.0
KANSAS	1,585	SBC	1,372	**	***	*	*	*
		Sprint	143	0	0.0	*	0	0.0
KENTUCKY	2,064	BellSouth	1,198	**	***	*	*	*
		GTE	531	0	0.0	524	0	0.0
LOUISIANA	2,435	BellSouth	2,338	**	***	2,256	0	0.0
MAINE	808	Bell Atlantic	697	**	***	681	0	0.0
MARYLAND	3,494	Bell Atlantic	3,718	2	0.1	*	*	*
MASSACHUSETTS	4,464	Bell Atlantic	4,567	3	0.1	4,517	2	***

Table 3.5
Lines Provided by Large ILECs to CLECs as UNE Loops
(Voice Grade Service Over Voice Grade or Higher Capacity Facilities) - Continued

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	AS OF JUNE 30, 1998			AS OF DECEMBER 31, 1997		
			TOTAL SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE	SWITCHED LINES (thousands)	UNE LOOPS (thousands)	PERCENT UNE
MICHIGAN	6,258	Ameritech	5,655	38	0.7 %	5,341	25	0.5 %
		GTE	739	0	0.0	725	0	0.0
MINNESOTA	2,878	Sprint	164	0	0.0	148	0	0.0
		U S WEST	2,337	**	***	2,199	0	0.0
MISSISSIPPI	1,321	BellSouth	1,268	1	0.1	*	*	*
MISSOURI	3,324	SBC	2,593	2	0.1	*	*	*
		Sprint	*	0	0.0	246	0	0.0
MONTANA	508	U S WEST	369	0	0.0	355	0	0.0
NEBRASKA	995	U S WEST	557	0	0.0	*	0	0.0
NEVADA	1,207	SBC	345	4	1.0	*	*	*
		Sprint	*	*	*	*	*	*
NEW HAMPSHIRE	818	Bell Atlantic	790	**	***	*	0	0.0
NEW JERSEY	6,201	Bell Atlantic	6,441	**	***	*	*	*
		Sprint	*	0	0.0	197	0	0.0
NEW MEXICO	901	U S WEST	807	2	0.2	*	*	*
NEW YORK	12,715	Bell Atlantic	11,884	31	0.3	*	*	*
NORTH CAROLINA	4,695	BellSouth	2,422	0	0.0	2,322	0	0.0
		GTE	334	0	0.0	333	**	***
		Sprint	1,401	0	0.0	*	0	0.0
NORTH DAKOTA	402	U S WEST	258	0	0.0	253	0	0.0
OHIO	6,729	Ameritech	4,244	16	0.4	4,020	7	0.2
		GTE	860	0	0.0	846	0	0.0
		Sprint	*	0	0.0	594	0	0.0
OKLAHOMA	1,954	SBC	1,668	1	0.1	*	*	*
OREGON	2,022	GTE	463	0	0.0	462	**	***
		U S WEST	1,399	**	***	1,353	0	0.0
PENNSYLVANIA	7,951	Bell Atlantic	6,452	20	0.3	*	*	*
		GTE	642	**	***	635	0	0.0
		Sprint	381	0	0.0	*	0	0.0
RHODE ISLAND	653	Bell Atlantic	662	2	0.3	*	*	*
SOUTH CAROLINA	2,147	BellSouth	1,454	**	***	1,399	0	0.0
		Sprint	100	0	0.0	*	0	0.0

Table 3.5
Lines Provided by Large ILECs to CLECs as UNE Loops
(Voice Grade Service Over Voice Grade or Higher Capacity Facilities) - Continued

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	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
SOUTH DAKOTA	406	U S WEST	278	0	0.0 %	268	0	0.0 %
TENNESSEE	3,271	BellSouth	2,697	13	0.5	2,614	5	0.2
		Sprint	255	0	0.0	*	0	0.0
TEXAS	12,006	GTE	1,893	8	0.4	1,861	7	0.4
		SBC	9,717	**	***	*	*	*
		Sprint	376	0	0.0	356	0	0.0
UTAH	1,100	U S WEST	1,119	**	***	*	*	*
VERMONT	394	Bell Atlantic	343	0	0.0	335	0	0.0
VIRGINIA	4,381	Bell Atlantic	3,554	1	***	*	*	*
		GTE	574	0	0.0	563	0	0.0
		Sprint	*	*	*	385	0	0.0
WASHINGTON	3,500	GTE	833	0	0.0	829	0	0.0
		Sprint	88	0	0.0	82	0	0.0
		U S WEST	2,558	**	***	2,401	*	*
WEST VIRGINIA	959	Bell Atlantic	834	0	0.0	803	0	0.0
WISCONSIN	3,296	Ameritech	2,319	1	***	2,211	**	***
		GTE	490	**	0.1	480	**	***
WYOMING	284	U S WEST	247	0	0.0	*	0	0.0
Total lines publicly reported	172,055		163,055	224		76,964	65	
Lines withheld to maintain confidentiality	0		2,369	20		81,504	68	
Total lines	172,055		165,424	244	0.1 %	158,468	133	0.1 %

* Withheld to maintain confidentiality as requested by reporting company.

** Amount is 500 or fewer lines.

*** Amount is 0.05% or less.

Source: Compiled from data reported in voluntary local competition surveys posted at <http://www.fcc.gov/ccb/local_competition> on the World Wide Web. Numbers may not sum precisely due to rounding.

Notes: The surveys asked about lines in service to end users for the provision of switched service. Because not all ILECs were surveyed, the table also presents total state lines as measured for determining Universal Service Fund payments. Questions were refined between surveys, and reported data may not be strictly comparable in part for this reason. GTE data as of 6/30/98 have been adjusted for apparent reporting of individual channel service (voice grade) lines as individual higher capacity (T-1) lines.

Table 3.6
Percentage of ILEC Lines Served by Switching Centers
Where New Entrants Have Collocation Arrangements
(Voice Grade Lines and High Capacity Lines)

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	AS OF JUNE 30, 1998		AS OF DECEMBER 31, 1997
			VOICE GRADE LINES	HIGH CAPACITY LINES	VOICE GRADE LINES
ALABAMA	2,405	<i>BellSouth</i>	15.7 %	45.2 %	16.1 %
ARIZONA	2,732	<i>U S WEST</i>	20.9	47.0	54.4
ARKANSAS	1,369	<i>SBC</i>	12.5	36.1	12.9
CALIFORNIA	21,483	<i>GTE</i>	24.4	*	20.3
		<i>SBC</i>	53.5	78.1	37.3
COLORADO	2,644	<i>U S WEST</i>	8.8	28.2	30.6
DELAWARE	532	<i>Bell Atlantic</i>	72.6	94.2	69.9
DIST. OF COLUMBIA	920	<i>Bell Atlantic</i>	49.6	78.5	49.9
FLORIDA	10,491	<i>BellSouth</i>	30.8	57.5	30.0
		<i>GTE</i>	11.0	*	26.9
		<i>Sprint</i>	24.9	0.0	13.3
GEORGIA	4,770	<i>BellSouth</i>	32.3	72.8	27.9
HAWAII	708	<i>GTE</i>	31.2	*	31.3
IDAHO	681	<i>U S WEST</i>	28.4	67.4	26.9
ILLINOIS	7,981	<i>Ameritech</i>	56.4	71.0	48.2
		<i>GTE</i>	3.5	*	8.7
INDIANA	3,471	<i>Ameritech</i>	26.4	60.7	26.4
		<i>GTE</i>	0.0	*	0.0
		<i>Sprint</i>	0.0	0.0	0.0
IOWA	1,589	<i>U S WEST</i>	4.6	21.3	22.1
KANSAS	1,585	<i>SBC</i>	15.9	30.2	16.2
		<i>Sprint</i>	0.0	0.0	0.0
KENTUCKY	2,064	<i>BellSouth</i>	24.9	54.6	25.5
		<i>GTE</i>	10.7	*	16.4
LOUISIANA	2,435	<i>BellSouth</i>	9.4	36.7	7.1
MAINE	808	<i>Bell Atlantic</i>	11.8	25.3	7.1
MARYLAND	3,494	<i>Bell Atlantic</i>	26.3	44.1	24.8
MASSACHUSETTS	4,464	<i>Bell Atlantic</i>	32.9	64.7	33.4

Table 3.6
Percentage of ILEC Lines Served by Switching Centers
Where New Entrants Have Collocation Arrangements
(Voice Grade Lines and High Capacity Lines) - Continued

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	AS OF JUNE 30, 1998		AS OF DECEMBER 31, 1997
			VOICE GRADE LINES	HIGH CAPACITY LINES	VOICE GRADE LINES
MICHIGAN	6,258	Ameritech GTE	49.8 % 0.0	72.3 % *	49.6 % 0.0
MINNESOTA	2,878	Sprint U S WEST	0.0 36.2	0.0 64.7	0.0 36.0
MISSISSIPPI	1,321	BellSouth	17.2	35.4	13.4
MISSOURI	3,324	SBC Sprint	19.6 0.0	68.3 0.0	20.5 0.0
MONTANA	508	U S WEST	0.0	0.0	0.0
NEBRASKA	995	U S WEST	30.6	65.6	38.8
NEVADA	1,207	SBC Sprint	45.6 95.7	85.6 0.0	42.4 99.2
NEW HAMPSHIRE	818	Bell Atlantic	41.9	67.6	37.6
NEW JERSEY	6,201	Bell Atlantic Sprint	23.4 0.0	40.4 0.0	21.6 0.0
NEW MEXICO	901	U S WEST	32.4	56.2	33.2
NEW YORK	12,715	Bell Atlantic	29.5	69.5	28.4
NORTH CAROLINA	4,695	BellSouth GTE Sprint	43.2 20.7 3.7	75.4 * 0.0	30.4 18.0 5.4
NORTH DAKOTA	402	U S WEST	0.0	0.0	0.0
OHIO	6,729	Ameritech GTE Sprint	48.1 0.0 3.4	78.8 * 0.0	48.6 2.6 0.0
OKLAHOMA	1,954	SBC	30.3	78.5	26.6
OREGON	2,022	GTE U S WEST	0.0 22.9	* 51.8	15.3 30.9
PENNSYLVANIA	7,951	Bell Atlantic GTE Sprint	46.1 7.7 0.0	27.8 * 0.0	46.4 16.1 0.0
RHODE ISLAND	653	Bell Atlantic	46.7	76.3	36.7

Table 3.6
Percentage of ILEC Lines Served by Switching Centers
Where New Entrants Have Collocation Arrangements
(Voice Grade Lines and High Capacity Lines) - Continued

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	AS OF JUNE 30, 1998		AS OF DECEMBER 31, 1997
			VOICE GRADE LINES	HIGH CAPACITY LINES	VOICE GRADE LINES
SOUTH CAROLINA	2,147	<i>BellSouth</i> <i>Sprint</i>	18.3 % 0.0	57.8 % 0.0	15.9 % 0.0
SOUTH DAKOTA	406	<i>U S WEST</i>	0.0	0.0	22.9
TENNESSEE	3,271	<i>BellSouth</i> <i>Sprint</i>	41.2 0.0	81.3 0.0	38.3 0.0
TEXAS	12,006	<i>GTE</i> <i>SBC</i> <i>Sprint</i>	15.9 29.2 0.0	* 77.5 0.0	19.2 18.1 0.0
UTAH	1,100	<i>U S WEST</i>	37.1	73.8	58.3
VERMONT	394	<i>Bell Atlantic</i>	30.4	65.4	29.7
VIRGINIA	4,381	<i>Bell Atlantic</i> <i>GTE</i> <i>Sprint</i>	22.8 5.2 13.7	32.0 * 0.0	22.7 6.4 14.2
WASHINGTON	3,500	<i>GTE</i> <i>Sprint</i> <i>U S WEST</i>	9.4 0.0 24.7	* 0.0 65.6	28.3 0.0 38.1
WEST VIRGINIA	959	<i>Bell Atlantic</i>	0.0	0.0	0.0
WISCONSIN	3,296	<i>Ameritech</i> <i>GTE</i>	43.9 0.3	70.9 *	40.8 0.0
WYOMING	284	<i>U S WEST</i>	0.0	0.0	0.0
<i>Percentages for the companies listed above (weighted average based on lines served)</i>			31.7 %	56.9 %	29.5 %

* Included with lines served over voice grade facilities (see notes).

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

Notes: Specific questions were refined between the two surveys, and reported data may not be strictly comparable between surveys in part for this reason. For example, it appears that U S WEST may not have reported on a consistent basis information on collocation arrangements in several states. Excluding U S WEST data from the calculation of "percentages for companies listed" reported in the table results in slight changes: 32.9% of lines served over voice grade facilities and 60.7% of lines served over higher capacity facilities as of 6/30/98; 28.7% of lines served over voice grade facilities as of 12/31/97. GTE data as of 6/30/98 have been adjusted for apparent reporting of individual digital channel (voice grade) service as individual higher capacity (T-1) lines.

Table 3.7
Percentage of ILEC Lines Served by Switching Centers
Where New Entrants Have Collocation Arrangements
(Residential Lines and Other Lines)

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	AS OF JUNE 30, 1998		AS OF DECEMBER 31, 1997	
			RESIDENTIAL LINES	OTHER LINES	RESIDENTIAL LINES	OTHER LINES
ALABAMA	2,405	<i>BellSouth</i>	12.4 %	24.1 %	12.3 %	25.5 %
ARIZONA	2,732	<i>U S WEST</i>	17.0	30.7	48.5	68.6
ARKANSAS	1,369	<i>SBC</i>	9.6	19.0	9.6	20.7
CALIFORNIA	21,483	<i>GTE</i>	21.3	30.7	16.1	26.3
		<i>SBC</i>	46.8	63.7	32.5	48.5
COLORADO	2,644	<i>U S WEST</i>	6.0	15.0	25.1	41.9
DELAWARE	532	<i>Bell Atlantic</i>	66.6	83.0	63.1	81.6
DIST. OF COLUMBIA	920	<i>Bell Atlantic</i>	8.1	69.0	8.2	70.1
FLORIDA	10,491	<i>BellSouth</i>	26.1	41.6	24.6	42.5
		<i>GTE</i>	5.7	24.7	13.5	44.0
		<i>Sprint</i>	18.7	39.4	11.2	18.5
GEORGIA	4,770	<i>BellSouth</i>	26.0	43.8	19.5	43.1
HAWAII	708	<i>GTE</i>	23.2	45.2	21.2	43.5
IDAHO	681	<i>U S WEST</i>	24.9	37.1	23.0	37.1
ILLINOIS	7,981	<i>Ameritech</i>	49.1	66.3	41.2	58.3
		<i>GTE</i>	3.0	4.7	4.8	16.2
INDIANA	3,471	<i>Ameritech</i>	20.4	36.7	20.4	36.7
		<i>GTE</i>	0.0	0.0	0.0	0.0
		<i>Sprint</i>	0.0	0.0	0.0	0.0
IOWA	1,589	<i>U S WEST</i>	3.3	7.5	19.0	28.9
KANSAS	1,585	<i>SBC</i>	14.0	19.9	13.9	21.3
		<i>Sprint</i>	0.0	0.0	0.0	0.0
KENTUCKY	2,064	<i>BellSouth</i>	21.0	35.2	21.0	37.3
		<i>GTE</i>	6.0	22.8	6.1	33.9
LOUISIANA	2,435	<i>BellSouth</i>	5.0	20.1	3.5	15.9
MAINE	808	<i>Bell Atlantic</i>	9.2	18.9	5.2	11.9
MARYLAND	3,494	<i>Bell Atlantic</i>	20.8	35.9	18.6	35.9
MASSACHUSETTS	4,464	<i>Bell Atlantic</i>	26.6	44.9	25.3	47.4

Table 3.7
Percentage of ILEC Lines Served by Switching Centers
Where New Entrants Have Collocation Arrangements
(Residential Lines and Other Lines) - Continued

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	AS OF JUNE 30, 1998		AS OF DECEMBER 31, 1997	
			RESIDENTIAL LINES	OTHER LINES	RESIDENTIAL LINES	OTHER LINES
MICHIGAN	6,258	Ameritech GTE	44.2 % 0.0	59.6 % 0.0	43.1 % 0.0	60.9 % 0.0
MINNESOTA	2,878	Sprint U S WEST	0.0 28.6	0.0 51.4	0.0 27.8	0.0 51.9
MISSISSIPPI	1,321	BellSouth	13.7	26.0	10.2	21.4
MISSOURI	3,324	SBC Sprint	13.7 *	31.7 *	14.1 0.0	34.8 0.0
MONTANA	508	U S WEST	0.0	0.0	0.0	0.0
NEBRASKA	995	U S WEST	23.3	47.1	32.3	53.4
NEVADA	1,207	SBC Sprint	38.2 *	58.2 *	38.4 99.1	55.1 99.5
NEW HAMPSHIRE	818	Bell Atlantic	35.3	56.0	31.8	49.2
NEW JERSEY	6,201	Bell Atlantic Sprint	18.9 *	31.4 *	17.2 0.0	29.6 0.0
NEW MEXICO	901	U S WEST	29.2	41.2	29.5	42.9
NEW YORK	12,715	Bell Atlantic	18.7	48.6	18.7	48.2
NORTH CAROLINA	4,695	BellSouth GTE Sprint	35.8 11.3 2.7	57.7 39.1 6.7	23.3 7.3 4.6	44.2 25.2 7.5
NORTH DAKOTA	402	U S WEST	0.0	0.0	0.0	0.0
OHIO	6,729	Ameritech GTE Sprint	41.9 0.0 *	59.8 0.0 *	40.0 1.5 0.0	65.4 4.8 0.0
OKLAHOMA	1,954	SBC	25.4	41.1	21.7	37.9
OREGON	2,022	GTE U S WEST	0.0 17.3	0.0 34.8	9.1 25.4	23.4 42.6
PENNSYLVANIA	7,951	Bell Atlantic GTE Sprint	39.0 5.7 0.0	59.1 13.2 0.0	39.3 13.0 0.0	59.4 22.0 0.0
RHODE ISLAND	653	Bell Atlantic	44.6	51.9	31.8	47.0

Table 3.7
Percentage of ILEC Lines Served by Switching Centers
Where New Entrants Have Collocation Arrangements
(Residential Lines and Other Lines) - Continued

STATE	TOTAL STATE LINES (1997 USF Loops in thousands)	COMPANY	AS OF JUNE 30, 1998		AS OF DECEMBER 31, 1997	
			RESIDENTIAL LINES	OTHER LINES	RESIDENTIAL LINES	OTHER LINES
SOUTH CAROLINA	2,147	BellSouth Sprint	13.2 % 0.0	30.4 % 0.0	11.0 % 0.0	27.6 % 0.0
SOUTH DAKOTA	406	U S WEST	0.0	0.0	21.3	26.2
TENNESSEE	3,271	BellSouth Sprint	36.1 0.0	54.1 0.0	32.6 0.0	52.6 0.0
TEXAS	12,006	GTE SBC Sprint	11.3 22.2 0.0	26.0 41.8 0.0	11.5 11.2 0.0	29.4 30.8 0.0
UTAH	1,100	U S WEST	31.8	48.5	52.7	70.2
VERMONT	394	Bell Atlantic	26.1	39.7	25.1	39.2
VIRGINIA	4,381	Bell Atlantic GTE Sprint	18.0 4.0 *	30.6 8.7 *	17.9 4.1 12.2	30.5 10.0 20.0
WASHINGTON	3,500	GTE Sprint U S WEST	8.2 0.0 18.8	12.4 0.0 37.6	16.7 0.0 29.6	43.3 0.0 57.3
WEST VIRGINIA	959	Bell Atlantic	0.0	0.0	0.0	0.0
WISCONSIN	3,296	Ameritech GTE	39.8 0.2	50.9 0.8	36.8 0.0	48.2 0.0
WYOMING	284	U S WEST	0.0	0.0	0.0	0.0
<i>Percentages for companies listed above (weighted average based on total lines served including those withheld to maintain confidentiality)</i>			25.3 %	44.1 %	23.3 %	41.4 %

* Withheld to maintain confidentiality as requested by reporting company.

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

Notes: Specific questions were refined between the two surveys, and reported data may not be strictly comparable between surveys in part for this reason. For example, it appears that U S WEST may not have reported on a consistent basis information on collocation arrangements in several states. Excluding U S WEST data from the calculation of "percentages for companies listed" reported in the table results in slight changes: 26.3% of residential end users and 45.4% of other end users as of 6/30/98; 22.5% of residential end users and 40.6% of other end users as of 12/31/97.

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

This section contains summary and detailed information about the number, and the identity, of new local service competitors holding telephone numbering codes *nationwide, by state, and by LATA*.¹⁴ 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.¹⁵

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.¹⁶

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.¹⁷ Rate exchange areas form the building blocks of a LATA.¹⁸ In this report, a local exchange carrier is considered to hold a code in a LATA provided the carrier holds a code in one or more rate exchange areas contained within the LATA. Furthermore, each of the 193

¹⁴ The information is derived from information maintained by Bellcore's Traffic Routing Administration and published in *Local Exchange Routing Guide (LERG)*.

¹⁵ 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.

¹⁶ Under certain circumstances, when the reservation is solely due to technical constraints, the reservation may be extended.

¹⁷ Rate exchange areas are geographically defined areas within which calls that originate and terminate (i.e., remain within the area) are considered local calls.

¹⁸ LATAs delineate the geographical area within which Regional Bell Operating Companies may offer services.

LATAs defined in the LERG has been assigned to a single state.¹⁹ A local exchange carrier is considered to hold a code in a state provided the carrier holds a code in one or more of the LATAs assigned to the state.

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. We have attempted to consolidate subsidiaries and affiliates purchased for entry into the local service market with the parent company, but recent merger and acquisition activity between established providers are not necessarily reflected in our counts.²⁰

Table 4.1 contains information at the national, state, and LATA level on local service competitor numbering code activity. Individual state and LATA level details are provided in Tables 4.5 through 4.7 and 4.10 through 4.12, respectively. As these tables indicate, new local service providers have continued to enter the local exchange business. On a nationwide basis, 146 CLECs now have at least one numbering code, compared to 13 which had numbering codes in the last quarter of 1995. At the same time, existing local service competitors continue to expand their activity into new LATAs and states. Presently, local service competitors hold codes in, on average, three different states and five different LATAs. Ten states have 13 or more CLECs with codes; 34 states have 5 or more such CLECs; and in only one state (West Virginia) CLECs hold no numbering codes. Twelve LATAs, located in 9 states, have 13 or more CLECs with codes: California (with 3 such LATAs); Florida (2); Georgia (1); Illinois (1); New York (1); Pennsylvania and Delaware (1 LATA, which is located in both states); Texas (2); and Washington (1). Four LATAs have more than 20 such CLECs: Dallas (25 CLECs), New York City and Los Angeles (22 each), and Atlanta (21). Company level detail of numbering code activity is presented in Tables 4.4, 4.8, 4.13, and 4.14.

Table 4.2 presents information on the percentage of markets where local service competitors hold codes. The first CLECs to acquire numbering codes did so in the second quarter of 1994. By the last quarter of 1995, one or more CLECs held a numbering code in

¹⁹ For example, the Washington, DC LATA, which covers all of the District of Columbia and parts of Virginia and Maryland, has been assigned to the District of Columbia.

²⁰ 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.

30% of the states and in 14% of the LATAs. These values increased to 98% of the states and 84% of the LATAs in the third quarter of 1998.

Table 4.3 presents nationwide information on the amount of numbering codes assigned to incumbents and competitors as well as their relative shares. Tables 4.9 and 4.15 provide detailed information regarding assigned numbering codes at the state and LATA level. The share of numbering codes held by competitors has steadily increased over time with the share held by competitors presently at 14%.

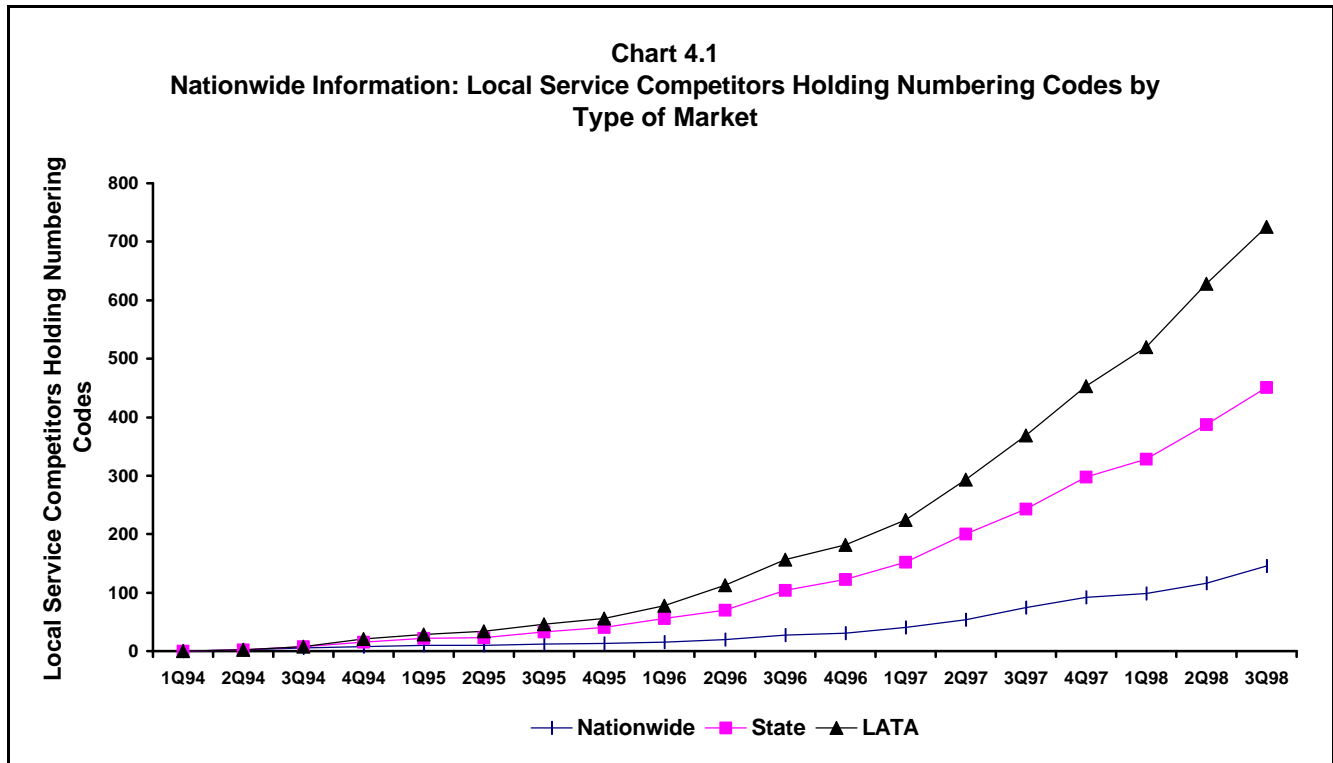
Table 4.1

Nationwide Information: Local Service Competitors Receiving First, Relinquishing Last, and Holding Numbering Codes by Type of Market

		MARKET								
		NATION			STATE*			LATA*		
		Receiving	Relinquishing	Holding	Receiving	Relinquishing	Holding	Receiving	Relinquishing	Holding
1994	FIRST QUARTER	0	0	0	0	0	0	0	0	0
	SECOND QUARTER	2	0	2	2	0	2	2	0	2
	THIRD QUARTER	3	0	5	6	0	8	6	0	8
	FOURTH QUARTER	3	0	8	7	0	15	13	0	21
1995	FIRST QUARTER	2	0	10	7	0	22	8	0	29
	SECOND QUARTER	0	0	10	1	0	23	5	0	34
	THIRD QUARTER	2	0	12	10	0	33	12	0	46
	FOURTH QUARTER	1	0	13	8	0	41	10	0	56
1996	FIRST QUARTER	2	0	15	15	0	56	22	0	78
	SECOND QUARTER	5	0	20	14	0	70	35	0	113
	THIRD QUARTER	7	0	27	34	0	104	43	0	156
	FOURTH QUARTER	5	1	31	21	2	123	29	3	182
1997	FIRST QUARTER	10	0	41	29	0	152	42	0	224
	SECOND QUARTER	13	0	54	48	0	200	69	0	293
	THIRD QUARTER	22	2	74	46	3	243	79	3	369
	FOURTH QUARTER	18	0	92	57	2	298	86	2	453
1998	FIRST QUARTER	7	0	99	31	1	328	70	3	520
	SECOND QUARTER	19	2	116	61	2	387	113	5	628
	THIRD QUARTER	31	1	146	68	4	451	102	4	726

Chart 4.1

Nationwide Information: Local Service Competitors Holding Numbering Codes by Type of Market



* Local service competitors are counted once for each state or LATA where they receive, relinquish, or hold numbering codes.

Table 4.2
Nationwide Information: Percentage of Markets with One or More Local Service Competitors Holding Numbering Codes

		MARKET	
		STATE	LATA
1994	FIRST QUARTER	0 %	0 %
	SECOND QUARTER	2	1
	THIRD QUARTER	10	3
	FOURTH QUARTER	16	7
1995	FIRST QUARTER	24	10
	SECOND QUARTER	24	11
	THIRD QUARTER	26	11
	FOURTH QUARTER	30	14
1996	FIRST QUARTER	38	18
	SECOND QUARTER	42	25
	THIRD QUARTER	64	34
	FOURTH QUARTER	68	38
1997	FIRST QUARTER	74	42
	SECOND QUARTER	86	53
	THIRD QUARTER	96	64
	FOURTH QUARTER	96	68
1998	FIRST QUARTER	96	74
	SECOND QUARTER	96	80
	THIRD QUARTER	98	84

Chart 4.2
Nationwide Information: Percentage of Markets with One or More Local Service Competitors Holding Numbering Codes

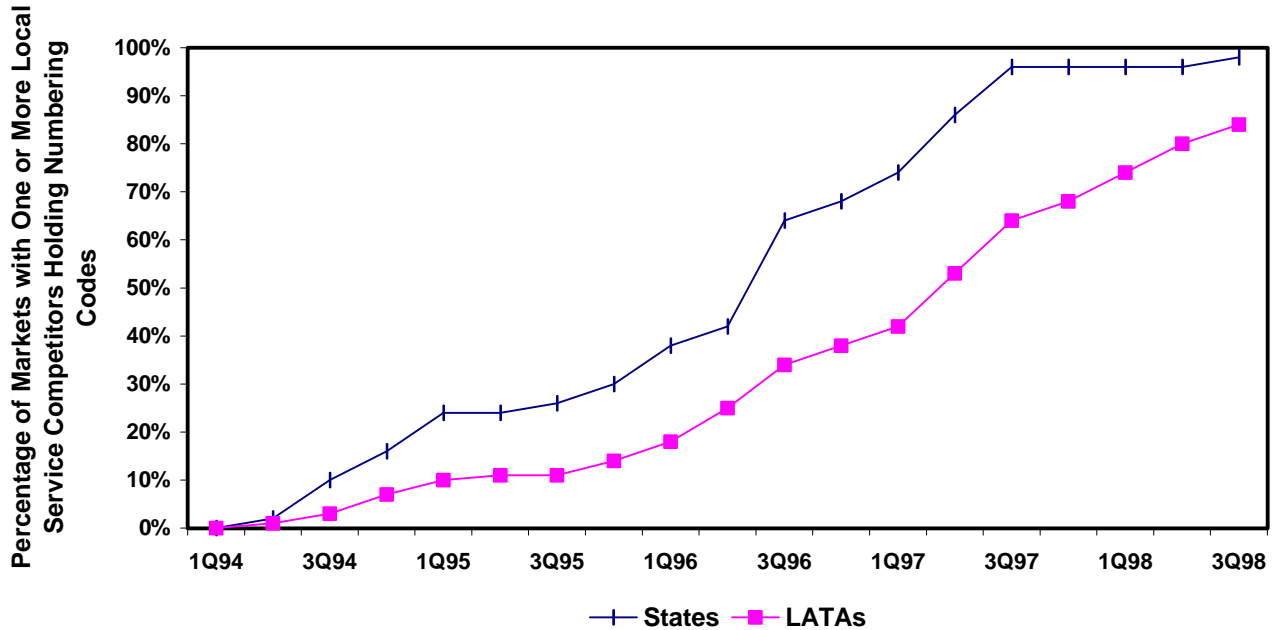
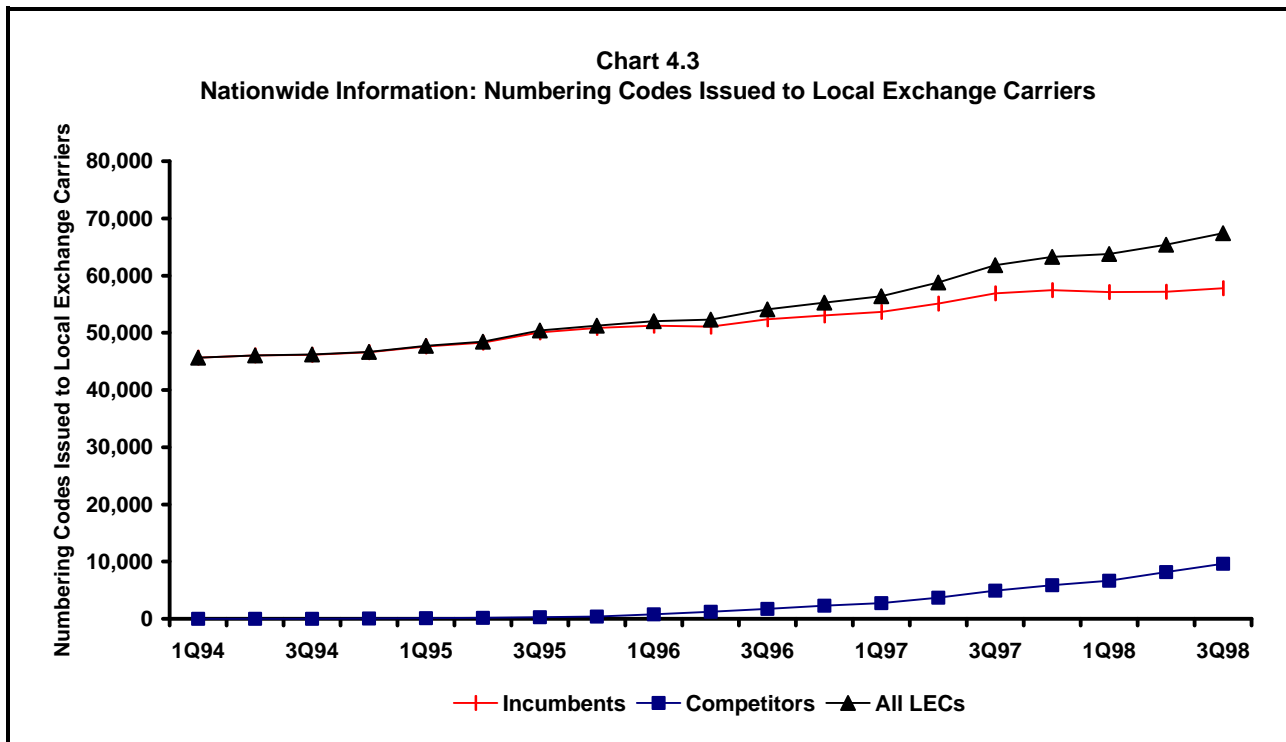


Table 4.3
Nationwide Information: Numbering Codes Assigned to Local Exchange Carriers

	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



**Table 4.4
Nationwide Information: Local Service Competitors Identified**

COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																		
	1994				1995				1996				1997				1998		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
21ST CENTURY TELECOM OF ILLINOIS, INC. ACC NATIONAL TELECOM CORP. ADVANCED NETWORK COMMUNICATIONS, L.L.C. ALEC, INC. ALIANI MIDWEST INC.																			
ALLEGIANCE TELECOM, INC. ALLTEL COMMUNICATIONS, INC. AMERICAN COMMUN. SVCS., INC. (E.SPIRE) AMERICAN METROCOMM, INC. AT&T LOCAL																			
ATX TELECOMMUNICATION SERVICES, LTD. AUSTIN BESTLINE CO. BELLSOUTH TELECOMMUNICATIONS, INC. BIRCH TELECOM, INC. BROOKS FIBER PROPERTIES, INC.																			
BUCKEYE TELESYSTEM BUSINESS TELECOM, INC. CABLE LIGHTPATH, INC. CCI TELECOMMUNICATIONS, INC. CELLULAR XL ASSOCIATES, L.P.																			
CFW NETWORK, INC. C-I COMMUNICATIONS, INC. CITY OF LAKE LAND CLIMAX TELEPHONE CO. COAST TO COAST TELECOMMUNICATIONS, INC.																			
COLUMBIA TELECOMMUNICATIONS, INC. COMAV CORP. COMCAST TELEPHONY COMMUNICATONS, INC. COMMCHOICE, L.L.C. CONNECTIV COMMUNICATIONS, INC.																			
CONNECT COMMUNICATIONS CORP. CONVERGENT COMMUNICATIONS, INC. COSERV, L.L.C. COX COMMUNICATIONS, INC. CRYSTAL COMMUNICATIONS, INC.																			
CTC COMMUNICATIONS, INC. CTC EXCHANGE SERVICES, INC. CYPRESS TELECOMMUNICATIONS CORP. DAKOTA TELECOMMUNICATIONS, INC. DELTACOM																			
DIGITAL TELEPORT, INC. DOBSON WIRELESS, INC. DUNN & ASSOCIATES, INC. ECLIPSE COMMUNICATIONS CORP. ELECTRIC LIGHTWAVE, INC.																			
FEDERATED TELCOM, INC. FIBER SOUTH, INC. FIBER WAVE TELECOM, INC. FIBRCOM, INC. FIRSTWORLD																			
FOCAL COMMUNICATIONS CORP. FRAMCO, INC. FREEDOM RING COMMUNICATIONS, L.L.C. FRONTIER LOCAL SERVICES, INC. FULL SERVICE COMPUTING CORP.																			

**Table 4.4
Nationwide Information: Local Service Competitors Identified - Continued**

COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																		
	1994				1995				1996				1997				1998		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
GCI COMMUNICATION CORP. GLOBAL NAPS, INC. GLOBE TELECOMMUNICATIONS, INC. GOLDEN HARBOR, INC. GOLDFIELD ACCESS NETWORK, L.C.																			
GREAT WEST SERVICES, LTD. GST LIGHTWAVE, INC. GTE, INC. HEART OF IOWA COMMUNICATIONS, INC. HTC COMMUNICATIONS, INC.																			
HYPERION TELECOMMUNICATIONS, INC. ICG TELECOM GROUP, INC. INFOTEL COMMUNICATIONS, L.L.C. INTERMEDIA COMMUNICATIONS, INC. INTERNATIONAL TELECOM, LTD.																			
IWL COMMUNICATIONS, INC. JONES INTERCABLE JUSTICE TECHNOLOGY CORP. KINGSGATE TEL, INC. KMC TELECOM CORP.																			
KNOLOGY, INC. LEC UNWIRED, L.L.C. LEVEL 3 COMMUNICATIONS, L.L.C. LOCAL FIBER, L.L.C. LOST NATION - ELWOOD TELEPHONE CO.																			
MARATHON METRO, INC. MARK TWAIN COMMUNICATIONS CO. MCIMETRO ATS, INC. MCLEOD NETWORK SERVICES MEDIAONE, INC.																			
METROPOLITAN TELECOMMUNICATIONS MGC COMMUNICATIONS, INC. MID-RIVERS TELEPHONE COOPERATIVE, INC. MONTANA WIRELESS, INC. MONTGOMERY CABLEVISION & ENTERTAINMENT, INC.																			
MOUNTAIN TELECOMMUNICATIONS, INC. MULTITECHNOLOGY SERVICES, L.P. NATIONAL TELECOM OF FLORIDA, INC. NEW MILLENNIUM COMMUNICATIONS CORP. NEW SOUTH COMMUNICATIONS, L.L.C.																			
NEXTLINK, INC. NORTEX TELCOM, L.L.C. NORTH AMERICAN TELECOMMUNICATIONS CORP. NORTH COUNTY COMMUNICATIONS CORP. NORTH SANTIAM COMMUNICATIONS																			
NORTHLAND NETWORKS NORTHPOINT COMMUNICATIONS, INC. OGC TELECOMM, LTD. OMNICALL, INC. OPTEL TEXAS TELECOM, INC.																			
ORLANDO TEL CO. OTTER TAIL TELCOM, L.L.C. OVATION COMMUNICATIONS, INC. PACIFIC BELL PAC-WEST TELECOMM																			

**Table 4.4
Nationwide Information: Local Service Competitors Identified - Continued**

COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																		
	1994				1995				1996				1997				1998		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
PENN TELECOM, INC. PHOENIX FIBERLINK PHONE MICHIGAN PIONEER LONG DISTANCE, INC. R & B COMMUNICATIONS																			
RAINIER CABLE, INC. RCN TELECOM SERVICES, INC. REDWOOD FALLS TELEPHONE CO. RIO COMMUNICATIONS, INC. SADDLEBACK COMMUNICATIONS CO.																			
SERVICE ELECTRIC TELEPHONE, INC. SHARON TELEPHONE CO. SHELL OFFSHORE SERVICES CO. SHELLSBURG TELECOMMUNICATIONS, INC. SOUTHEAST TELEPHONE, L.P.																			
SOUTHWESTERN BELL TELEPHONE COMPANY SPRINT METRO NTWKS STANFORD UNIVERSITY COMMUNICATIONS SERVICES STRATEGIC TECHNOLOGIES, INC. TAKSTAR COMMUNICATIONS, INC.																			
TAYLOR COMMUNICATIONS GROUP, INC. TCI TELEPHONY SERVICES, INC. TDS METROCOM, INC. TECH TELEPHONE COMPANY, LTD. TELEPORT COMM GROUP																			
TELIGENT, INC. THE TELEPHONE CONNECTION OF LOS ANGELES, INC. TIME WARNER COMMUNICATIONS, L.P. TIMELY INFORMATION CORP. TRI TEL, INC.																			
UNIVERSALCOM, INC. US ONE COMMUNICATIONS CORP. US LEC, L.L.C. US LONG DISTANCE, INC. US XCHANGE, L.L.C. VALU-LINE OF KANSAS																			
W.T. SERVICES, INC. WETEC WINSTAR TELECOMMUNICATIONS, INC. WORLDCOM TECHNOLOGIES, INC. WRIGHT BUSINESSES, INC. XIT TELECOMMUNICATION & TECHNOLOGY, INC.																			
TOTAL LOCAL SERVICE COMPETITORS IN THE NATION	0	2	5	8	10	10	12	13	15	20	27	31	41	54	74	92	99	116	146

Table 4.5
State Information: Local Service Competitors Holding Numbering Codes

STATE	1994				1995				1996				1997				1998		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
ALABAMA	0	0	0	0	0	0	0	0	0	0	1	1	1	4	6	6	7	7	8
ALASKA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
ARIZONA	0	0	0	0	0	0	0	0	0	0	3	4	5	5	6	7	9	9	9
ARKANSAS	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	5	5	5	6
CALIFORNIA	0	0	0	0	1	1	2	2	4	6	8	12	14	17	18	20	21	24	28
COLORADO	0	0	1	1	1	1	2	2	2	3	4	4	4	4	7	7	10	11	
CONNECTICUT	0	0	0	0	0	0	1	2	4	4	4	5	6	6	7	8	8	9	8
DELAWARE*	0	0	0	0	0	0	0	1	2	4	4	4	5	6	9	11	11	12	14
DISTRICT OF COLUMBIA	0	0	0	0	1	1	2	2	2	2	4	4	4	6	6	6	6	10	10
FLORIDA	0	0	0	0	0	0	0	0	4	7	9	8	10	11	13	16	18	21	25
GEORGIA	0	0	0	0	0	0	0	0	1	3	4	4	5	6	7	12	14	19	22
HAWAII	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2
IDAHO	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2
ILLINOIS	0	0	1	3	3	3	3	3	4	4	5	6	7	9	9	10	11	12	16
INDIANA	0	0	0	0	0	0	0	0	0	0	2	3	3	3	4	6	5	6	6
IOWA	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	5	5	5	7
KANSAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
KENTUCKY	0	0	0	0	0	0	0	0	0	0	1	1	1	3	5	5	5	6	7
LOUISIANA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	5	6	9
MAINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
MARYLAND	0	0	0	1	1	2	3	3	3	3	3	3	4	4	4	5	5	8	9
MASSACHUSETTS	0	0	1	1	2	2	3	3	3	4	4	4	6	8	11	12	12	13	13
MICHIGAN	0	0	0	1	2	2	3	4	4	4	4	4	5	5	6	7	8	8	11
MINNESOTA	0	0	0	0	0	0	0	0	0	0	1	1	1	1	5	6	7	8	11
MISSISSIPPI	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	3	3	4	4
MISSOURI	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	6	6	8	11
MONTANA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	3	3
NEBRASKA	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	3	3	4
NEVADA	0	0	0	0	0	0	0	0	0	0	1	2	4	4	3	3	4	4	4
NEW HAMPSHIRE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	4
NEW JERSEY	0	0	0	0	0	0	0	0	0	1	3	3	3	6	6	7	8	10	9
NEW MEXICO	0	0	0	0	0	0	0	0	0	0	2	2	3	3	3	3	3	3	3
NEW YORK	0	2	3	5	5	5	7	8	8	8	10	11	11	13	13	15	17	22	27
NORTH CAROLINA	0	0	0	0	0	0	0	0	0	0	1	2	3	5	8	8	11	12	12
NORTH DAKOTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	5	8
OHIO	0	0	0	0	0	0	0	0	1	2	4	5	6	6	7	9	10	12	12
OKLAHOMA	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4	5	5	5	5
OREGON	0	0	0	0	1	1	1	1	2	2	2	2	4	5	5	7	7	8	11
PENNSYLVANIA*	0	0	0	0	0	0	0	2	3	4	4	5	6	6	9	11	11	12	16
RHODE ISLAND	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	3	3	3
SOUTH CAROLINA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	4	7
SOUTH DAKOTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
TENNESSEE	0	0	0	0	0	0	0	0	1	2	3	5	5	7	7	8	10	10	10
TEXAS	0	0	0	0	0	0	0	1	2	3	4	4	8	13	17	21	25	29	35
UTAH	0	0	0	0	0	0	0	0	0	1	1	3	3	3	3	3	3	4	4
VERMONT	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
VIRGINIA	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	4	5	8	8
WASHINGTON	0	0	2	2	3	3	4	5	5	5	6	6	7	9	9	10	11	12	14
WEST VIRGINIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WISCONSIN	0	0	0	1	1	1	2	2	2	2	2	2	3	4	5	7	9	9	11
WYOMING	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
TOTAL STATE MARKETS**	0	2	8	15	22	23	33	41	56	70	104	123	152	200	243	298	328	387	451
TOTAL NATIONWIDE (UNDUPLICATED)	0	2	5	8	10	10	12	13	15	20	27	31	41	54	74	92	99	116	146

* Delaware resides entirely within the Philadelphia LATA. Therefore, competitors holding codes in the Philadelphia LATA are included in both Pennsylvania and Delaware figures. Totals for all state markets, however, include the Philadelphia LATA figures only once.

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

Table 4.6
State Information: Local Service Competitors Receiving First Numbering Codes

STATE	1994				1995				1996				1997				1998		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
ALABAMA	0	0	0	0	0	0	0	0	0	0	1	0	0	3	2	0	1	0	1
ALASKA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
ARIZONA	0	0	0	0	0	0	0	0	0	0	3	1	1	0	1	1	2	1	0
ARKANSAS	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	2	0	0	1
CALIFORNIA	0	0	0	0	1	0	1	0	2	2	2	4	2	3	2	2	1	3	4
COLORADO	0	0	1	0	0	0	0	1	0	0	1	1	0	0	0	3	0	3	1
CONNECTICUT	0	0	0	0	0	0	1	1	2	0	0	1	1	0	1	1	0	1	0
DELAWARE*	0	0	0	0	0	0	0	1	1	2	0	0	1	1	3	2	0	1	2
DISTRICT OF COLUMBIA	0	0	0	0	1	0	1	0	0	0	2	0	0	2	0	0	0	4	0
FLORIDA	0	0	0	0	0	0	0	0	4	3	2	0	2	1	2	3	2	3	4
GEORGIA	0	0	0	0	0	0	0	0	1	2	1	0	1	1	1	5	2	5	3
HAWAII	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
IDAHO	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
ILLINOIS	0	0	1	2	0	0	0	0	1	0	1	1	1	2	0	1	1	2	4
INDIANA	0	0	0	0	0	0	0	0	0	0	2	1	0	0	1	2	0	1	0
IOWA	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	3	0	0	2
KANSAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
KENTUCKY	0	0	0	0	0	0	0	0	0	0	1	0	0	2	2	0	0	1	1
LOUISIANA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0	1	3
MAINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
MARYLAND	0	0	0	1	0	1	1	0	0	0	0	0	1	0	0	1	0	3	1
MASSACHUSETTS	0	0	1	0	1	0	1	0	0	1	0	0	2	2	3	2	0	1	1
MICHIGAN	0	0	0	1	1	0	1	1	0	0	0	0	1	0	1	1	1	0	3
MINNESOTA	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4	1	1	1	3
MISSISSIPPI	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	1	0
MISSOURI	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	2	0	2	3
MONTANA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0
NEBRASKA	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	1
NEVADA	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	1	0	0
NEW HAMPSHIRE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2
NEW JERSEY	0	0	0	0	0	0	0	0	0	1	2	0	0	3	0	1	1	2	0
NEW MEXICO	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0
NEW YORK	0	2	1	2	0	0	2	1	0	0	2	1	0	2	0	3	2	5	5
NORTH CAROLINA	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	0	3	1	1
NORTH DAKOTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4	3
OHIO	0	0	0	0	0	0	0	0	1	1	2	1	1	0	1	2	1	2	0
OKLAHOMA	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	1	0	0	0
OREGON	0	0	0	0	1	0	0	0	1	0	0	0	2	1	0	2	0	1	3
PENNSYLVANIA*	0	0	0	0	0	0	0	2	1	1	0	1	1	0	3	2	0	1	4
RHODE ISLAND	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0
SOUTH CAROLINA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	3
SOUTH DAKOTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
TENNESSEE	0	0	0	0	0	0	0	0	1	1	1	2	0	2	0	1	2	0	0
TEXAS	0	0	0	0	0	0	0	1	1	1	1	1	4	5	4	4	4	4	6
UTAH	0	0	0	0	0	0	0	0	0	1	0	2	0	0	1	0	0	1	0
VERMONT	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
VIRGINIA	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	1	3	0
WASHINGTON	0	0	2	0	1	0	1	1	0	0	1	0	1	2	0	1	1	1	2
WEST VIRGINIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WISCONSIN	0	0	0	1	0	0	1	0	0	0	0	0	1	1	1	2	2	0	2
WYOMING	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
TOTAL STATE MARKETS**	0	2	6	7	7	1	10	8	15	14	34	21	29	48	46	57	31	61	68
TOTAL NATIONWIDE (UNDUPLICATED)	0	2	3	3	2	0	2	1	2	5	7	5	10	13	22	18	7	19	31

* Delaware resides entirely within the Philadelphia LATA. Therefore, competitors holding codes in the Philadelphia LATA are included in both Pennsylvania and Delaware figures. Totals for all state markets, however, include the Philadelphia LATA figures only once.

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

Table 4.7
State Information: Local Service Competitors Relinquishing Last Numbering Codes

STATE	1994				1995				1996				1997				1998		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
ALABAMA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALASKA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
ARKANSAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALIFORNIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
COLORADO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONNECTICUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
DELAWARE*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DISTRICT OF COLUMBIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLORIDA	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
GEORGIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAWAII	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IDAHO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILLINOIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
INDIANA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
IOWA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KANSAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KENTUCKY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOUISIANA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MARYLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MASSACHUSETTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0
MICHIGAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MINNESOTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MISSISSIPPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MISSOURI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONTANA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEBRASKA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEVADA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
NEW HAMPSHIRE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW JERSEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
NEW MEXICO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW YORK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
NORTH CAROLINA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
NORTH DAKOTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OHIO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OKLAHOMA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OREGON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PENNSYLVANIA*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RHODE ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH CAROLINA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH DAKOTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TENNESSEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TEXAS	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
UTAH	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
VERMONT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VIRGINIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASHINGTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEST VIRGINIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WISCONSIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WYOMING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL STATE MARKETS**	0	0	0	0	0	0	0	0	0	0	2	0	0	3	2	1	2	4	0
TOTAL NATIONWIDE (UNDUPLICATED)	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	2	1	0

* Delaware resides entirely within the Philadelphia LATA. Therefore, competitors holding codes in the Philadelphia LATA are included in both Pennsylvania and Delaware figures. Totals for all state markets, however, include the Philadelphia LATA figures only once.

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

**Table 4.8
State Information: Local Service Competitors Identified - Continued**

STATE	COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																				
		1994				1995				1996				1997				1998				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3		
CALIFORNIA (CONT'D)	TELEPORT COMM GROUP																					
	TELIGENT, INC.																					
	THE TELEPHONE CONNECTION OF LOS ANGELES, INC.																					
	TIME WARNER COMMUNICATIONS, L.P.																					
	WINSTAR TELECOMMUNICATIONS, INC.																					
	WORLDCOM TECHNOLOGIES, INC.																					
	TOTAL LOCAL SERVICE COMPETITORS IN THE STATE	0	0	0	0	1	1	2	2	4	6	8	12	14	17	18	20	21	24	28		
COLORADO	AMERICAN COMMUN. SVCS., INC. (E.SPIRE)																					
	CONVERGENT COMMUNICATIONS, INC.																					
	FRONTIER LOCAL SERVICES, INC.																					
	GREAT WEST SERVICES, LTD.																					
	ICG TELECOM GROUP, INC.																					
	LEVEL 3 COMMUNICATIONS, L.L.C.																					
	MCIMETRO ATS, INC.																					
	TELEPORT COMM GROUP																					
	TELIGENT, INC.																					
	TIME WARNER COMMUNICATIONS, L.P.																					
	WINSTAR TELECOMMUNICATIONS, INC.																					
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE	0	0	1	1	1	1	1	2	2	2	3	4	4	4	4	7	7	10	11			
CONNECTICUT	AT&T LOCAL																					
	BROOKS FIBER PROPERTIES, INC.																					
	CABLE LIGHTPATH, INC.																					
	COX COMMUNICATIONS, INC.																					
	ICG TELECOM GROUP, INC.																					
	MCIMETRO ATS, INC.																					
	TCI TELEPHONY SERVICES, INC.																					
	TELEPORT COMM GROUP																					
WORLDCOM TECHNOLOGIES, INC.																						
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE	0	0	0	0	0	0	1	2	4	4	4	5	6	6	7	8	8	9	9	8		
DELAWARE*	AT&T LOCAL																					
	ATX TELECOMMUNICATION SERVICES, LTD.																					
	CONECTIV COMMUNICATIONS, INC.																					
	FOCAL COMMUNICATIONS CORP.																					
	HYPERION TELECOMMUNICATIONS, INC.																					
	INTERMEDIA COMMUNICATIONS, INC.																					
	MCIMETRO ATS, INC.																					
	NEXTLINK, INC.																					
	RCN TELECOM SERVICES, INC.																					
	SERVICE ELECTRIC TELEPHONE, INC.																					
	TELEPORT COMM GROUP																					
	TELIGENT, INC.																					
WINSTAR TELECOMMUNICATIONS, INC.																						
WORLDCOM TECHNOLOGIES, INC.																						
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE	0	0	0	0	0	0	0	1	2	4	4	4	5	6	9	11	11	12	14			
DIST. OF COLUMBIA	AMERICAN COMMUN. SVCS., INC. (E.SPIRE)																					
	AT&T LOCAL																					
	JONES INTERCABLE																					
	LEVEL 3 COMMUNICATIONS, L.L.C.																					
	MCIMETRO ATS, INC.																					
	RCN TELECOM SERVICES, INC.																					
	TELEPORT COMM GROUP																					
	TELIGENT, INC.																					
	WINSTAR TELECOMMUNICATIONS, INC.																					
WORLDCOM TECHNOLOGIES, INC.																						
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE	0	0	0	0	1	1	2	2	2	2	4	4	4	6	6	6	6	10	10			

**Table 4.8
State Information: Local Service Competitors Identified - Continued**

STATE	COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																				
		1994				1995				1996				1997				1998				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3		
FLORIDA	ALLTEL COMMUNICATIONS, INC.																		1	1	1	
	AMERICAN COMMUN. SVCS., INC. (E.SPIRE)																				1	1
	AT&T LOCAL																				1	1
	BELLSOUTH TELECOMMUNICATIONS, INC.																				1	1
	BUSINESS TELECOM, INC.																				1	1
	CITY OF LAKELAND																				1	1
	COMCAST TELEPHONY COMMUNICATONS, INC.																				1	1
	DELTACOM																				1	1
	HYPERION TELECOMMUNICATIONS, INC.																				1	1
	INTERMEDIA COMMUNICATIONS, INC.																				1	1
	KMC TELECOM CORP.																				1	1
	KNOLOGY, INC.																				1	1
	MCIMETRO ATS, INC.																				1	1
	MEDIAONE, INC.																				1	1
	NATIONAL TELECOM OF FLORIDA, INC.																				1	1
	NEW MILLENNIUM COMMUNICATIONS CORP.																				1	1
	ORLANDO TEL CO.																				1	1
	SPRINT METRO NTFKS																				1	1
	STRATEGIC TECHNOLOGIES, INC.																				1	1
	TELEPORT COMM GROUP																				1	1
	TELIGENT, INC.																				1	1
	TIME WARNER COMMUNICATIONS, L.P.																				1	1
	UNIVERSALCOM, INC.																				1	1
	US LEC, L.L.C.																				1	1
WINSTAR TELECOMMUNICATIONS, INC.																				1	1	
WORLDCOM TECHNOLOGIES, INC.																				1	1	
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE		0	0	0	0	0	0	0	0	4	7	9	8	10	11	13	16	18	21	25		
GEORGIA	ALLEGIANCE TELECOM, INC.																			1	1	
	AMERICAN COMMUN. SVCS., INC. (E.SPIRE)																				1	1
	AT&T LOCAL																				1	1
	BUSINESS TELECOM, INC.																				1	1
	DELTACOM																				1	1
	FRONTIER LOCAL SERVICES, INC.																				1	1
	GLOBE TELECOMMUNICATIONS, INC.																				1	1
	GOLDEN HARBOR, INC.																				1	1
	ICG TELECOM GROUP, INC.																				1	1
	INTERMEDIA COMMUNICATIONS, INC.																				1	1
	KMC TELECOM CORP.																				1	1
	KNOLOGY, INC.																				1	1
	LEVEL 3 COMMUNICATIONS, L.L.C.																				1	1
	MCIMETRO ATS, INC.																				1	1
	MEDIAONE, INC.																				1	1
	MGC COMMUNICATIONS, INC.																				1	1
	NEXTLINK, INC.																				1	1
	TELEPORT COMM GROUP																				1	1
	TELIGENT, INC.																				1	1
	US LEC, L.L.C.																				1	1
	WINSTAR TELECOMMUNICATIONS, INC.																				1	1
WORLDCOM TECHNOLOGIES, INC.																				1	1	
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE		0	0	0	0	0	0	0	0	1	3	4	4	5	6	7	12	14	19	22		
HAWAII	GST LIGHTWAVE, INC.																			1	1	
	TIME WARNER COMMUNICATIONS, L.P.																				1	1
	TOTAL LOCAL SERVICE COMPETITORS IN THE STATE		0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	

**Table 4.8
State Information: Local Service Competitors Identified - Continued**

STATE	COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																				
		1994				1995				1996				1997				1998				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
LOUISIANA (CONT'D)	KMC TELECOM CORP.																					
	LEC UNWIRED, L.L.C.																					
	SHELL OFFSHORE SERVICES CO.																					
	TOTAL LOCAL SERVICE COMPETITORS IN THE STATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	5	6
MAINE	BROOKS FIBER PROPERTIES, INC.																					
	TOTAL LOCAL SERVICE COMPETITORS IN THE STATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
MARYLAND	AMERICAN COMMUN. SVCS., INC. (E.SPIRE)																					
	AT&T LOCAL																					
	COMCAST TELEPHONY COMMUNICATONS, INC.																					
	CONNECTIV COMMUNICATIONS, INC.																					
	MCIMETRO ATS, INC.																					
	TELEPORT COMM GROUP																					
	TELIGENT, INC.																					
	WINSTAR TELECOMMUNICATIONS, INC.																					
	WORLDCOM TECHNOLOGIES, INC.																					
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE	0	0	0	1	1	2	3	3	3	3	3	3	3	4	4	4	5	5	8	9		
MASSACHUSETTS	ACC NATIONAL TELECOM CORP.																					
	AT&T LOCAL																					
	BROOKS FIBER PROPERTIES, INC.																					
	COMAV CORP.																					
	FRONTIER LOCAL SERVICES, INC.																					
	GLOBAL NAPS, INC.																					
	LEVEL 3 COMMUNICATIONS, L.L.C.																					
	MCIMETRO ATS, INC.																					
	MEDIAONE, INC.																					
	RCN TELECOM SERVICES, INC.																					
	TELEPORT COMM GROUP																					
	TELIGENT, INC.																					
	US ONE COMMUNICATIONS CORP.																					
	WINSTAR TELECOMMUNICATIONS, INC.																					
WORLDCOM TECHNOLOGIES, INC.																						
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE	0	0	1	1	2	2	3	3	3	4	4	4	6	8	11	12	12	13	13			
MICHIGAN	AT&T LOCAL																					
	BROOKS FIBER PROPERTIES, INC.																					
	CLIMAX TELEPHONE CO.																					
	COAST TO COAST TELECOMMUNICATIIONS, INC.																					
	LEVEL 3 COMMUNICATIONS, L.L.C.																					
	MCIMETRO ATS, INC.																					
	PHONE MICHIGAN																					
	TELEPORT COMM GROUP																					
	US XCHANGE, L.L.C.																					
	WINSTAR TELECOMMUNICATIONS, INC.																					
WORLDCOM TECHNOLOGIES, INC.																						
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE	0	0	0	1	2	2	3	4	4	4	4	4	5	5	6	7	8	8	11			
MINNESOTA	AT&T LOCAL																					
	BROOKS FIBER PROPERTIES, INC.																					
	CRYSTAL COMMUNICATIONS, INC.																					
	FEDERATED TELCOM, INC.																					
	FRONTIER LOCAL SERVICES, INC.																					
	INFOTEL COMMUNICATIONS, L.L.C.																					
	MCIMETRO ATS, INC.																					
	OVATION COMMUNICATIONS, INC.																					
	REDWOOD FALLS TELEPHONE CO.																					
	TELEPORT COMM GROUP																					
WINSTAR TELECOMMUNICATIONS, INC.																						
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	5	6	7	8	11	

Table 4.8
State Information: Local Service Competitors Identified - Continued

STATE	COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																			
		1994				1995				1996				1997				1998			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
NEW YORK	ACC NATIONAL TELECOM CORP.																				
	ALLEGIANCE TELECOM, INC.																				
	AT&T LOCAL																				
	BROOKS FIBER PROPERTIES, INC.																				
	CABLE LIGHTPATH, INC.																				
	FOCAL COMMUNICATIONS CORP.																				
	FRAMCO, INC.																				
	FRONTIER LOCAL SERVICES, INC.																				
	GLOBAL NAPS, INC.																				
	HYPERION TELECOMMUNICATIONS, 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 TELECOMMUNICATIONS CORP.																				
	NORTHLAND NETWORKS																				
	NORTHPOINT COMMUNICATIONS, INC.																				
	RCN TELECOM SERVICES, INC.																				
TELEPORT COMM GROUP																					
TELIGENT, INC.																					
TIME WARNER COMMUNICATIONS, L.P.																					
TIMELY INFORMATION CORP.																					
US ONE COMMUNICATIONS CORP.																					
WINSTAR TELECOMMUNICATIONS, INC.																					
WORLDCOM TECHNOLOGIES, INC.																					
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE		0	2	3	5	5	5	7	8	8	8	10	11	11	13	13	15	17	22	27	
NORTH CAROLINA	ALLTEL COMMUNICATIONS, INC.																				
	AT&T LOCAL																				
	BUSINESS TELECOM, INC.																				
	CTC EXCHANGE SERVICES, INC.																				
	DELTACOM																				
	FIBER SOUTH, INC.																				
	ICG TELECOM GROUP, INC.																				
	INTERMEDIA COMMUNICATIONS, INC.																				
	KMC TELECOM CORP.																				
	MCIMETRO ATS, INC.																				
	TELEPORT COMM GROUP																				
	TIME WARNER COMMUNICATIONS, L.P.																				
	US LEC, L.L.C.																				
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE		0	0	0	0	0	0	0	0	0	0	0	1	2	3	5	8	8	11	12	12
NORTH DAKOTA	AT&T LOCAL																				
	C-I COMMUNICATIONS, INC.																				
	ECLIPSE COMMUNICATIONS CORP.																				
	INFOTEL COMMUNICATIONS, L.L.C.																				
	MCLEOD NETWORK SERVICES																				
	OTTER TAIL TELCOM, L.L.C.																				
	TAKSTAR COMMUNICATIONS, INC.																				
	WETEC																				
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	5	8	

Table 4.8
State Information: Local Service Competitors Identified - Continued

STATE	COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																			
		1994				1995				1996				1997				1998			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
OHIO	AT&T LOCAL																				
	BROOKS FIBER PROPERTIES, INC.																				
	BUCKEYE TELESYSTEM																				
	FRONTIER LOCAL SERVICES, INC.																				
	ICG TELECOM GROUP, INC.																				
	INTERMEDIA COMMUNICATIONS, INC.																				
	MCIMETRO ATS, INC.																				
	NEXLINK, INC.																				
	TELEPORT COMM GROUP																				
	TIME WARNER COMMUNICATIONS, L.P.																				
	WINSTAR TELECOMMUNICATIONS, INC.																				
	WORLDCOM TECHNOLOGIES, INC.																				
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE		0	0	0	0	0	0	0	0	0	1	2	4	5	6	6	7	9	10	12	12
OKLAHOMA	AMERICAN COMMUN. SVCS., INC. (E.SPIRE)																				
	BROOKS FIBER PROPERTIES, INC.																				
	COX COMMUNICATIONS, INC.																				
	DOBSON WIRELESS, INC.																				
	PIONEER LONG DISTANCE, INC.																				
	TOTAL LOCAL SERVICE COMPETITORS IN THE STATE		0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4	5	5	5
OREGON	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.																				
	RIO COMMUNICATIONS, INC.																				
	TELEPORT COMM GROUP																				
WORLDCOM TECHNOLOGIES, INC.																					
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE		0	0	0	0	1	1	1	1	2	2	2	2	4	5	5	7	7	8	11	
PENNSYLVANIA*	AT&T LOCAL																				
	ATX TELECOMMUNICATIONS SERVICES, LTD.																				
	CONNECTIV COMMUNICATIONS, INC.																				
	FOCAL COMMUNICATIONS CORP.																				
	FULL SERVICE COMPUTING CORP.																				
	HYPERION TELECOMMUNICATIONS, INC.																				
	INTERMEDIA COMMUNICATIONS, INC.																				
	MCIMETRO ATS, INC.																				
	NEXLINK, INC.																				
	PENN TELECOM, INC.																				
	RCN TELECOM SERVICES, INC.																				
	SERVICE ELECTRIC TELEPHONE, INC.																				
	TELEPORT COMM GROUP																				
	TELIGENT, INC.																				
WINSTAR TELECOMMUNICATIONS, INC.																					
WORLDCOM TECHNOLOGIES, INC.																					
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE		0	0	0	0	0	0	0	0	2	3	4	4	5	6	6	9	11	11	12	16
RHODE ISLAND	BROOKS FIBER PROPERTIES, INC.																				
	LEVEL 3 COMMUNICATIONS, L.L.C.																				
	TELEPORT COMM GROUP																				
	TOTAL LOCAL SERVICE COMPETITORS IN THE STATE		0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	3

Table 4.8
State Information: Local Service Competitors Identified - Continued

STATE	COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																				
		1994				1995				1996				1997				1998				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3		
TEXAS (CONT'D)	W.T. SERVICES, INC.																					
	WINSTAR TELECOMMUNICATIONS, INC.																					
	WORLDCOM TECHNOLOGIES, INC.																					
	XIT TELECOMMUNICATION & TECHNOLOGY, INC.																					
	TOTAL LOCAL SERVICE COMPETITORS IN THE STATE	0	0	0	0	0	0	0	0	1	2	3	4	4	8	13	17	21	25	29	35	
UTAH	BROOKS FIBER PROPERTIES, INC.																					
	ELECTRIC LIGHTWAVE, INC.																					
	NEXLINK, INC.																					
	PHOENIX FIBERLINK																					
	TELEPORT COMM GROUP																					
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE	0	0	0	0	0	0	0	0	0	0	1	1	3	3	3	3	3	3	4	4	4	
VERMONT	HYPERION TELECOMMUNICATIONS, INC.																					
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	
VIRGINIA	AT&T LOCAL																					
	CCI TELECOMMUNICATIONS, INC.																					
	CFW NETWORK, INC.																					
	COX COMMUNICATIONS, INC.																					
	HYPERION TELECOMMUNICATIONS, INC.																					
	MEDIAONE, INC.																					
	R & B COMMUNICATIONS																					
	TELIGENT, INC.																					
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	4	5	8	8	8	
WASHINGTON	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.																					
	MCIMETRO ATS, INC.																					
	NEXLINK, INC.																					
	RAINIER CABLE, INC.																					
	TELEPORT COMM GROUP																					
	TOTAL LOCAL SERVICE COMPETITORS IN THE STATE	0	0	2	2	3	3	4	5	5	5	6	6	7	9	9	10	11	12	14	14	
WISCONSIN	AT&T LOCAL																					
	CTC COMMUNICATIONS, INC.																					
	KMC TELECOM CORP.																					
	MCIMETRO ATS, INC.																					
	SHARON TELEPHONE CO.																					
	TDS METROCOM, INC.																					
	TELEPORT COMM GROUP																					
	TELIGENT, INC.																					
	TIME WARNER COMMUNICATIONS, L.P.																					
	US XCHANGE, L.L.C.																					
	WINSTAR TELECOMMUNICATIONS, INC.																					
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE	0	0	0	1	1	1	2	2	2	2	2	2	3	4	5	7	9	9	11	11		
WYOMING	TRI TEL, INC.																					
TOTAL LOCAL SERVICE COMPETITORS IN THE STATE	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	

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

Table 4.9
State Information: Numbering Codes Assigned to Local Exchange Carriers

STATE	NUMBERING CODES ASSIGNED TO LOCAL EXCHANGE CARRIERS IN BLOCKS OF 10,000 (YEAR ENDING)					PERCENTAGE OF NUMBERING CODES ASSIGNED TO LOCAL SERVICE COMPETITORS (YEAR ENDING)				
	1994	1995	1996	1997	1998**	1994	1995	1996	1997	1998**
ALABAMA	641	688	750	906	1,187	0.0 %	0.0 %	0.3 %	14.3 %	15.8 %
ALASKA	369	370	377	393	397	0.0	0.0	0.0	1.3	1.3
ARIZONA	645	835	778	844	893	0.0	0.0	3.9	4.6	6.3
ARKANSAS	559	582	615	704	673	0.0	0.0	0.0	1.6	2.1
CALIFORNIA	4,776	5,161	6,055	7,324	8,171	0.0	0.3	10.1	14.9	21.2
COLORADO	689	906	838	942	995	0.1	0.2	4.9	11.9	14.0
CONNECTICUT	522	871	682	870	888	0.0	3.1	14.1	27.1	27.4
DELAWARE*	1,056	836	1,073	1,210	1,328	0.0	1.8	15.1	22.1	28.2
DISTRICT OF COLUMBIA	832	907	1,000	1,152	1,314	0.0	1.4	4.0	10.6	19.5
FLORIDA	1,968	2,690	2,626	2,877	3,116	0.0	0.0	4.8	7.4	12.9
GEORGIA	1,135	1,209	1,363	1,494	1,858	0.0	0.0	3.2	7.5	21.0
HAWAII	246	258	271	284	290	0.0	0.0	0.4	2.8	3.8
IDAHO	287	302	303	322	340	0.0	0.0	0.0	0.3	3.2
ILLINOIS	2,054	2,146	2,644	2,607	2,974	0.6	2.7	7.8	11.9	21.3
INDIANA	994	1,029	1,067	1,131	1,168	0.0	0.0	0.6	2.4	2.8
IOWA	937	950	973	1,047	1,095	0.0	0.2	0.2	1.0	3.0
KANSAS	708	720	745	1,092	1,103	0.0	0.0	0.0	0.0	0.2
KENTUCKY	626	656	694	762	802	0.0	0.0	0.3	6.7	8.6
LOUISIANA	706	752	794	839	1,015	0.0	0.0	0.0	1.1	3.3
MAINE	339	342	347	370	429	0.0	0.0	0.0	0.5	12.8
MARYLAND	487	541	621	686	767	0.2	3.1	7.6	12.8	19.4
MASSACHUSETTS	919	1,017	1,143	1,823	1,916	0.2	3.4	10.1	20.5	39.9
MICHIGAN	1,426	1,562	1,677	2,036	1,986	0.3	4.5	6.3	10.7	14.2
MINNESOTA	917	951	1,007	1,102	1,312	0.0	0.0	2.2	6.4	6.9
MISSISSIPPI	419	436	475	559	582	0.0	0.0	0.2	2.3	3.3
MISSOURI	1,526	1,602	1,653	1,994	1,811	0.0	0.0	0.0	2.1	3.7
MONTANA	326	329	334	348	355	0.0	0.0	0.0	1.7	3.1
NEBRASKA	743	765	782	829	851	0.0	0.0	0.0	1.0	2.5
NEVADA	308	331	376	419	424	0.0	0.0	2.9	9.3	11.1
NEW HAMPSHIRE	229	240	245	284	372	0.0	0.0	0.0	7.0	28.5
NEW JERSEY	1,044	1,122	1,303	1,543	1,890	0.0	0.0	6.8	16.3	26.2
NEW MEXICO	313	324	350	370	378	0.0	0.0	0.9	1.1	1.9
NEW YORK	2,946	3,021	3,181	3,541	3,751	1.0	2.2	4.7	12.3	16.2
NORTH CAROLINA	1,130	1,218	1,331	1,795	1,978	0.0	0.0	1.3	7.9	10.3
NORTH DAKOTA	537	537	536	543	558	0.0	0.0	0.0	0.2	1.6
OHIO	1,844	1,909	2,276	2,773	2,350	0.0	0.0	1.4	6.9	9.2
OKLAHOMA	770	789	834	1,166	901	0.0	0.0	0.6	2.3	3.1
OREGON	606	926	707	776	853	0.0	1.3	4.2	7.1	13.1
PENNSYLVANIA*	2,225	2,096	2,445	2,659	2,837	0.0	1.7	10.0	15.0	19.7
RHODE ISLAND	133	136	151	183	214	0.0	0.0	6.6	14.8	25.7
SOUTH CAROLINA	513	726	582	658	970	0.0	0.0	0.0	7.3	12.0
SOUTH DAKOTA	318	320	322	333	338	0.0	0.0	0.0	2.1	3.0
TENNESSEE	880	1,208	1,006	1,225	1,203	0.0	0.0	1.4	5.8	11.9
TEXAS	3,536	3,748	4,800	5,160	5,264	0.0	0.3	1.1	10.5	13.6
UTAH	336	362	430	637	688	0.0	0.0	7.2	6.8	10.6
VERMONT	178	179	181	228	279	0.0	0.0	0.0	18.4	32.3
VIRGINIA	764	1,064	1,090	955	998	0.0	0.0	0.0	4.4	7.4
WASHINGTON	832	896	980	1,090	1,180	0.8	3.2	6.7	9.9	13.6
WEST VIRGINIA	321	345	330	334	338	0.0	0.0	0.0	0.0	0.0
WISCONSIN	993	1,045	1,101	1,150	1,229	0.1	0.6	2.5	4.3	7.9
WYOMING	115	117	121	124	126	0.0	0.0	0.8	0.8	0.8
NATIONWIDE*	46,667	51,236	55,292	63,283	67,407	0.1 %	0.8 %	4.1 %	9.3 %	14.3 %

* Delaware resides entirely within the Philadelphia LATA. Therefore, codes assigned in the Philadelphia LATA are included in both Pennsylvania and Delaware figures. Nationwide totals, however, include the Philadelphia LATA figures only once.

** Columns showing 1998 data are as of third quarter, 1998.

Table 4.10
LATA Information: Local Service Competitors Holding Numbering Codes

STATE	LATA	1994				1995				1996				1997				1998		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
ALABAMA	BIRMINGHAM	0	0	0	0	0	0	0	0	0	0	0	1	1	3	4	4	4	5	6
	HUNTSVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2
	MOBILE	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	MONTGOMERY	0	0	0	0	0	0	0	0	0	0	1	1	1	3	3	3	4	4	4
ALASKA	ALASKA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
ARIZONA	NAVAJO TERRITORY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PHOENIX	0	0	0	0	0	0	0	0	0	0	1	2	3	3	4	5	7	7	7
	TUCSON	0	0	0	0	0	0	0	0	0	0	2	2	3	3	3	3	3	3	3
ARKANSAS	FORT SMITH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	LITTLE ROCK	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	5	5	5	5
	PINE BLUFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALIFORNIA	BAKERSFIELD	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	3	3
	CHICO	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	FRESNO	0	0	0	0	0	0	0	0	0	2	2	2	2	3	3	3	3	3	3
	LOS ANGELES	0	0	0	0	1	1	1	1	3	5	7	8	9	12	14	16	16	19	22
	MONTEREY	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	PALM SPRINGS	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	3
	SACRAMENTO	0	0	0	0	0	0	0	0	2	3	3	4	4	4	4	4	4	6	7
	SAN DIEGO	0	0	0	0	0	1	1	1	2	4	5	6	6	7	7	8	9	10	13
	SAN FRANCISCO	0	0	0	0	0	1	2	2	3	5	6	8	9	10	10	10	11	11	14
	SAN LUIS OBISPO	0	0	0	0	0	0	0	0	0	2	2	2	2	2	3	4	4	4	4
	STOCKTON	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2
	COLORADO	COLORADO SPRINGS	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2
DENVER		0	0	1	1	1	1	1	2	2	2	3	4	4	4	4	6	6	9	10
CONNECTICUT	CONNECTICUT	0	0	0	0	0	0	1	2	4	4	4	5	6	6	7	8	8	9	8
DELAWARE*	PHILADELPHIA	0	0	0	0	0	0	0	1	2	4	4	4	5	6	9	11	11	12	14
DIST. OF COLUMBIA	WASHINGTON DC	0	0	0	0	1	1	2	2	2	2	4	4	4	6	6	6	6	10	10
FLORIDA	DAYTONA BEACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
	FT MYERS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GAINESVILLE	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	3	4
	JACKSONVILLE	0	0	0	0	0	0	0	0	0	0	1	2	2	2	3	3	5	7	8
	MIAMI	0	0	0	0	0	0	0	0	2	3	5	5	7	8	8	8	10	10	13
	ORLANDO	0	0	0	0	0	0	0	0	2	5	6	6	7	7	8	9	11	14	15
	PANAMA CITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
	PENSACOLA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
	TALAHASSEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
	TAMPA	0	0	0	0	0	0	0	0	0	2	3	3	3	3	5	8	8	11	12
	GEORGIA	ALBANY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
ATLANTA		0	0	0	0	0	0	0	0	1	3	4	4	5	6	7	11	13	18	21
AUGUSTA		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	4
MACON		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2
SAVANNAH		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2
HAWAII	HAWAII	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2
IDAHO	COUER D-ALENE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	BOISE	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2
ILLINOIS	CAIRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CHAMPAIGN	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	CHICAGO	0	0	1	3	3	3	3	3	3	3	4	5	6	8	8	10	11	12	16
	FORREST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MACOMB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MATTOON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OLNEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PEORIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	QUINCY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ROCKFORD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SPRINGFIELD	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2
	STERLING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INDIANA	AUBURN-HUNTINGTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	BLOOMINGTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	EVANSVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	INDIANAPOLIS	0	0	0	0	0	0	0	0	0	0	2	3	3	3	4	6	5	5	5
	RICHMOND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SOUTH BEND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	TERRE HAUTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOWA	CEDAR RAPIDS	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	DAVENPORT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2
	DES MOINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2
	SIOUX CITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2

Table 4.10
LATA Information: Local Service Competitors Holding Numbering Codes - Continued

STATE	LATA	1994				1995				1996				1997				1998		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
KANSAS	TOPEKA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	WICHITA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KENTUCKY	LOUISVILLE	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	3	3	4	4
	OWENSBORO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3
	WINCHESTER	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2
LOUISIANA	BATON ROUGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	3
	LAFAYETTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
	NEW ORLEANS	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	4	6
	SHREVEPORT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2
MAINE	MAINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
MARYLAND	BALTIMORE	0	0	0	1	1	2	3	3	3	3	3	3	4	4	4	5	5	8	9
	HAGERSTOWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	SALISBURY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
MASSACHUSETTS	BOSTON	0	0	1	1	2	2	3	3	3	3	3	3	4	7	10	11	11	12	12
	SPRINGFIELD	0	0	0	0	0	0	0	0	0	1	1	1	2	2	3	5	5	5	5
MICHIGAN	DETROIT	0	0	0	1	1	1	2	3	3	3	3	3	4	4	5	6	7	7	8
	GRAND RAPIDS	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	LANSING	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	SAGINAW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	UPPER PENINSULA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MINNESOTA	DULUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	MINNEAPOLIS	0	0	0	0	0	0	0	0	0	0	1	1	1	1	4	5	6	7	7
	ROCHESTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	ST CLOUD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3
MISSISSIPPI	BILOXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	JACKSON	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	3	3	4	4
MISSOURI	KANSAS CITY	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	4	7
	SPRINGFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	ST LOUIS	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	3	4	5
	WESTPHALIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONTANA	BILLINGS	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2
	GREAT FALLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
NEBRASKA	GRAND ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	LINCOLN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OMAHA	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	3	3	4
NEVADA	LAS VEGAS	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	3	3	3
	RENO	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1
NEW HAMPSHIRE	NEW HAMPSHIRE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	4
NEW JERSEY	ATLANTIC CITY	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	1
	DELAWARE VALLEY	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	4	5	6	6
	JERSEY CITY	0	0	0	0	0	0	0	0	0	1	3	3	3	6	6	6	6	7	7
NEW MEXICO	NEW MEXICO	0	0	0	0	0	0	0	0	0	0	2	2	3	3	3	3	3	3	3
NEW YORK	ALBANY	0	0	0	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4
	BINGHAMTON	0	0	0	1	1	1	2	2	2	2	2	2	2	2	2	4	4	4	5
	BUFFALO	0	0	0	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4
	FISHERS ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NEW YORK	0	2	3	3	3	4	5	6	6	6	8	9	10	12	12	14	16	19	22
	POUGHKEEPSIE	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
	ROCHESTER	0	0	0	2	2	2	2	2	3	3	3	3	3	3	3	3	2	4	5
	SYRACUSE	0	0	0	1	1	1	2	2	2	2	2	2	2	2	2	3	3	4	4
NORTH CAROLINA	ASHEVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	3	3
	CHARLOTTE	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6	7	10	10	10
	FAYETTEVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	GREENSBORO	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	3	5	5	5
	RALEIGH	0	0	0	0	0	0	0	0	0	0	1	2	3	4	6	6	8	7	7
	ROCKY MOUNT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	WILMINGTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2
NORTH DAKOTA	BISMARCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	BRAINERD-FARGO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4	7

Table 4.10
LATA Information: Local Service Competitors Holding Numbering Codes - Continued

STATE	LATA	1994				1995				1996				1997				1998		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
OHIO	AKRON	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	3
	CINCINNATI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	6	6
	CLEVELAND	0	0	0	0	0	0	0	0	1	1	2	3	4	4	5	5	6	7	7
	COLUMBUS	0	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	3	5	5
	DAYTON	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2
	LIMA-MANSFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOLEDO	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	3	3	3
	YOUNGSTOWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OKLAHOMA	OKLAHOMA CITY	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4	4	4	4	4
	TULSA	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	3	3
OREGON	EUGENE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	PORTLAND	0	0	0	0	1	1	1	1	2	2	2	2	4	5	5	7	7	7	10
PENNSYLVANIA*	ALTOONA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2
	ERIE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	HARRISBURG	0	0	0	0	0	0	0	0	0	1	1	2	2	3	3	3	3	4	4
	PHILADELPHIA	0	0	0	0	0	0	0	1	2	4	4	4	5	6	9	11	11	12	14
	PITTSBURGH	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	4	4	4	7
	SCRANTON	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	3	4	4
RHODE ISLAND	RHODE ISLAND	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	3	3	3
SOUTH CAROLINA	CHARLESTON	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	COLUMBIA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	3
	FLORENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
	GREENVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	4	6
SOUTH DAKOTA	SOUTH DAKOTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
TENNESSEE	BRISTOL-JOHNSON CITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CHATTANOOGA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2
	KNOXVILLE	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	4	4
	MEMPHIS	0	0	0	0	0	0	0	0	0	1	2	3	3	3	3	4	5	6	6
	NASHVILLE	0	0	0	0	0	0	0	0	1	2	2	2	2	4	4	5	6	7	7
TEXAS	ABILENE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	AMARILLO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	3
	AUSTIN	0	0	0	0	0	0	0	0	0	0	1	1	3	3	6	9	9	11	12
	BEAUMONT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	BROWNSVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	CORPUS CHRISTI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	4
	DALLAS	0	0	0	0	0	0	0	1	2	2	2	3	7	10	12	14	17	21	25
	EL PASO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	3
	HEARNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	HOUSTON	0	0	0	0	0	0	0	1	2	3	3	2	3	4	10	13	14	14	19
	LONGVIEW	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	LUBBOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
	MIDLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	SAN ANGELO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	SAN ANTONIO	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	8	9	10	10
	WACO	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2
	WICHITA FALLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
UTAH	NAVAJO TERRITORY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	UTAH	0	0	0	0	0	0	0	0	0	1	1	3	3	3	3	3	3	4	4
VERMONT	VERMONT	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
VIRGINIA	CHARLOTTESVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2
	CULPEPER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	EDINBURG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	HARRISONBURG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	LYNCHBURG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	NORFOLK	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2
	RICHMOND	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	5	5
	ROANOKE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3
WASHINGTON	SEATTLE	0	0	2	2	3	3	4	4	4	4	5	5	5	7	7	9	10	11	13
	SPOKANE	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	4	4
WEST VIRGINIA	BLUEFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CHARLESTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CLARKSBURG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4.10
LATA Information: Local Service Competitors Holding Numbering Codes - Continued

STATE	LATA	1994				1995				1996				1997				1998					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3			
WISCONSIN	<i>EAU CLAIRE</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	
	<i>GREEN BAY</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	
	<i>MADISON</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	4	4	4	4
	<i>MILWAUKEE</i>	0	0	0	1	1	1	2	2	2	2	2	2	3	4	4	4	6	6	8	8	8	8
WYOMING	<i>WYOMING</i>	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL LATA MARKETS**		0	2	8	21	29	34	46	56	78	113	156	182	224	293	369	453	520	628	726	726	726	726
NATION-WIDE		0	2	5	8	10	10	12	13	15	20	27	31	41	54	74	92	99	116	146	146	146	146

* Delaware resides entirely within the Philadelphia LATA. Therefore, competitors holding codes in the Philadelphia LATA are included in both Pennsylvania and Delaware figures. Totals for all LATA markets, however, include the Philadelphia LATA figures only once.

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

Table 4.11
LATA Information: Local Service Competitors Receiving First Numbering Codes

STATE	LATA	1994				1995				1996				1997				1998		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
ALABAMA	BIRMINGHAM	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	0	0	1	1
	HUNTSVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
	MOBILE	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	MONTGOMERY	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	1	0	0
ALASKA	ALASKA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
ARIZONA	NAVAJO TERRITORY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PHOENIX	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	2	1	0	0
	TUCSON	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0
ARKANSAS	FORT SMITH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	LITTLE ROCK	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	2	0	0	0
	PINE BLUFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALIFORNIA	BAKERSFIELD	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1
	CHICO	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	FRESNO	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0
	LOS ANGELES	0	0	0	0	1	0	0	0	2	2	2	1	1	3	2	2	0	3	3
	MONTEREY	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	PALM SPRINGS	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1
	SACRAMENTO	0	0	0	0	0	0	0	0	2	1	0	1	0	0	0	0	0	2	1
	SAN DIEGO	0	0	0	0	0	1	0	0	1	2	1	1	0	1	0	1	1	1	3
	SAN FRANCISCO	0	0	0	0	0	1	1	0	1	2	1	2	1	1	1	0	1	0	3
	SAN LUIS OBISPO	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	1	0	0	0
	STOCKTON	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
COLORADO	COLORADO SPRINGS	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
	DENVER	0	0	1	0	0	0	0	1	0	0	1	1	0	0	0	2	0	3	1
CONNECTICUT	CONNECTICUT	0	0	0	0	0	0	1	1	2	0	0	1	1	0	1	1	0	1	0
DELAWARE*	PHILADELPHIA	0	0	0	0	0	0	0	1	1	2	0	0	1	1	3	2	0	1	2
DIST. OF COLUMBIA	WASHINGTON DC	0	0	0	0	1	0	1	0	0	0	2	0	0	2	0	0	0	4	0
FLORIDA	DAYTONA BEACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	FT MYERS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GAINESVILLE	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
	JACKSONVILLE	0	0	0	0	0	0	0	0	0	1	2	0	0	1	0	0	2	2	1
	MIAMI	0	0	0	0	0	0	0	0	2	1	2	0	2	1	0	0	2	0	3
	ORLANDO	0	0	0	0	0	0	0	0	2	3	1	0	1	0	1	1	2	3	1
	PANAMA CITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	PENSACOLA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	TALAHASSEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	TAMPA	0	0	0	0	0	0	0	0	0	2	1	0	0	0	2	3	0	3	1
	GEORGIA	ALBANY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
ATLANTA		0	0	0	0	0	0	0	0	1	2	1	0	1	1	1	4	2	5	3
AUGUSTA		0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
MACON		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
SAVANNAH		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
HAWAII	HAWAII	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0
IDAHO	COUER D-ALENE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	BOISE	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
ILLINOIS	CAIRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CHAMPAIGN	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	CHICAGO	0	0	1	2	0	0	0	0	0	0	1	1	1	2	0	2	1	2	4
	FORREST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MACOMB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MATTOON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OLNEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PEORIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	QUINCY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ROCKFORD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SPRINGFIELD	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
	STERLING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INDIANA	AUBURN-HUNTINGTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	BLOOMINGTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	EVANSVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	INDIANAPOLIS	0	0	0	0	0	0	0	0	0	0	2	1	0	0	1	2	0	0	0
	RICHMOND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SOUTH BEND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	TERRE HAUTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOWA	CEDAR RAPIDS	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	DAVENPORT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	DES MOINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
	SIOUX CITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1

Table 4.11
LATA Information: Local Service Competitors Receiving First Numbering Codes -
Continued

STATE	LATA	1994				1995				1996				1997				1998		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
KANSAS	TOPEKA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	WICHITA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KENTUCKY	LOUISVILLE	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1	0
	OWENSBORO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
	WINCHESTER	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
LOUISIANA	BATON ROUGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0
	LAFAYETTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	NEW ORLEANS	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	2
	SHREVEPORT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0
MAINE	MAINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
MARYLAND	BALTIMORE	0	0	0	1	0	1	1	0	0	0	0	0	1	0	0	1	0	3	1
	HAGERSTOWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	SALISBURY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
MASSACHUSETTS	BOSTON	0	0	1	0	1	0	1	0	0	0	0	0	1	3	3	2	0	1	1
	SPRINGFIELD	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	2	0	0	0
MICHIGAN	DETROIT	0	0	0	1	0	0	1	1	0	0	0	0	1	0	1	1	1	0	1
	GRAND RAPIDS	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	LANSING	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	SAGINAW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	UPPER PENINSULA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MINNESOTA	DULUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	MINNEAPOLIS	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	1	1	1	0
	ROCHESTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	ST CLOUD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
MISSISSIPPI	BILOXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	JACKSON	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	1	0
MISSOURI	KANSAS CITY	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	3
	SPRINGFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	ST LOUIS	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	1
	WESTPHALIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONTANA	BILLINGS	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
	GREAT FALLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
NEBRASKA	GRAND ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	LINCOLN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OMAHA	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	1
NEVADA	LAS VEGAS	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0
	RENO	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
NEW HAMPSHIRE	NEW HAMPSHIRE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2
NEW JERSEY	ATLANTIC CITY	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0
	DELAWARE VALLEY	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	0
	JERSEY CITY	0	0	0	0	0	0	0	0	0	1	2	0	0	3	0	0	0	1	0
NEW MEXICO	NEW MEXICO	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0
NEW YORK	ALBANY	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0
	BINGHAMTON	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	1
	BUFFALO	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
	FISHERS ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NEW YORK	0	2	1	0	0	1	1	1	0	0	2	1	1	2	0	3	2	3	3
	POUGHKEEPSIE	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	ROCHESTER	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	2	1
	SYRACUSE	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0
NORTH CAROLINA	ASHEVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0
	CHARLOTTE	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	1	3	1	0
	FAYETTEVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	GREENSBORO	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2	0	1
	RALEIGH	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	0	2	0	0
	ROCKY MOUNT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	WILMINGTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
NORTH DAKOTA	BISMARCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	BRAINERD-FARGO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	3

Table 4.11
LATA Information: Local Service Competitors Receiving First Numbering Codes -
Continued

STATE	LATA	1994				1995				1996				1997				1998		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
OHIO	AKRON	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1
	CINCINNATI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3	0
	CLEVELAND	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	1	0
	COLUMBUS	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	2	0
	DAYTON	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
	LIMA-MANSFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOLEDO	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0
	YOUNGSTOWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OKLAHOMA	OKLAHOMA CITY	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	0	0	0
	TULSA	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0
OREGON	EUGENE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	PORTLAND	0	0	0	0	1	0	0	0	1	0	0	0	2	1	0	2	0	0	3
PENNSYLVANIA*	ALTOONA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
	ERIE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	HARRISBURG	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	1	0
	PHILADELPHIA	0	0	0	0	0	0	0	1	1	2	0	0	1	1	3	2	0	1	2
	PITTSBURGH	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	3
	SCRANTON	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	1	0
RHODE ISLAND	RHODE ISLAND	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0
SOUTH CAROLINA	CHARLESTON	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	COLUMBIA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
	FLORENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	GREENVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	2
SOUTH DAKOTA	SOUTH DAKOTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
TENNESSEE	BRISTOL-JOHNSON CITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CHATTANOOGA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
	KNOXVILLE	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	0
	MEMPHIS	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	0
	NASHVILLE	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	1	1	1	0
TEXAS	ABILENE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	AMARILLO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
	AUSTIN	0	0	0	0	0	0	0	0	0	0	1	0	2	0	3	3	0	2	1
	BEAUMONT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	BROWNSVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	CORPUS CHRISTI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1
	DALLAS	0	0	0	0	0	0	0	1	1	0	0	1	4	3	2	2	3	4	4
	EL PASO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0
	HEARNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	HOUSTON	0	0	0	0	0	0	0	1	1	1	0	0	1	1	6	3	1	0	5
	LONGVIEW	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	LUBBOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	MIDLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	SAN ANGELO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	SAN ANTONIO	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	1	0
	WACO	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
	WICHITA FALLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
UTAH	NAVAJO TERRITORY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	UTAH	0	0	0	0	0	0	0	0	0	1	0	2	0	0	1	0	0	1	0
VERMONT	VERMONT	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
VIRGINIA	CHARLOTTESVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
	CULPEPER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	EDINBURG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	HARRISONBURG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	LYNCHBURG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	NORFOLK	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
	RICHMOND	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	3	0
	ROANOKE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
WASHINGTON	SEATTLE	0	0	2	0	1	0	1	0	0	0	1	0	0	2	0	2	1	1	2
	SPOKANE	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2	0
WEST VIRGINIA	BLUEFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CHARLESTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CLARKSBURG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4.11
LATA Information: Local Service Competitors Receiving First Numbering Codes

STATE	LATA	1994				1995				1996				1997				1998			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
WISCONSIN	EAU CLAIRE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
	GREEN BAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	
	MADISON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	0
	MILWAUKEE	0	0	0	1	0	0	0	1	0	0	0	0	0	1	1	0	0	2	0	2
WYOMING	WYOMING	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
TOTAL LATA MARKETS**		0	2	6	13	8	5	12	10	22	35	43	29	42	69	79	86	70	113	102	
NATION-WIDE		0	2	3	3	2	0	2	1	2	5	7	5	10	13	22	18	7	19	31	

* Delaware resides entirely within the Philadelphia LATA. Therefore, competitors holding codes in the Philadelphia LATA are included in both Pennsylvania and Delaware figures. Totals for all LATA markets, however, include the Philadelphia LATA figures only once.

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

Table 4.12

LATA Information: Local Service Competitors Relinquishing Numbering Codes

STATE	LATA	1994				1995				1996				1997				1998		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
ALABAMA	BIRMINGHAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	HUNTSVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MOBILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MONTGOMERY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALASKA	ALASKA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	NAVAJO TERRITORY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PHOENIX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	TUCSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARKANSAS	FORT SMITH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	LITTLE ROCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PINE BLUFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALIFORNIA	BAKERSFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CHICO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	FRESNO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	LOS ANGELES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MONTEREY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PALM SPRINGS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SACRAMENTO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SAN DIEGO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SAN FRANCISCO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	SAN LUIS OBISPO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	STOCKTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COLORADO	COLORADO SPRINGS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DENVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONNECTICUT	CONNECTICUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
DELAWARE*	PHILADELPHIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST. OF COLUMBIA	WASHINGTON DC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLORIDA	DAYTONA BEACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	FT MYERS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GAINESVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	JACKSONVILLE	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	MIAMI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ORLANDO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PANAMA CITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PENSACOLA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TALAHASSEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TAMPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GEORGIA	ALBANY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ATLANTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AUGUSTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MACON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SAVANNAH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAWAII	HAWAII	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IDAHO	COUER D-ALENE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	BOISE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILLINOIS	CAIRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CHAMPAIGN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CHICAGO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	FORREST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MACOMB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MATTOON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OLNEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PEORIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	QUINCY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ROCKFORD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SPRINGFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	STERLING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INDIANA	AUBURN-HUNTINGTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	BLOOMINGTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	EVANSVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	INDIANAPOLIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	RICHMOND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SOUTH BEND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TERRE HAUTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOWA	CEDAR RAPIDS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAVENPORT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DES MOINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SIOUX CITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4.12

LATA Information: Local Service Competitors Relinquishing Numbering Codes - Continued

STATE	LATA	1994				1995				1996				1997				1998		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
KANSAS	TOPEKA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	WICHITA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KENTUCKY	LOUISVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OWENSBORO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	WINCHESTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOUISIANA	BATON ROUGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	LAFAYETTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NEW ORLEANS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SHREVEPORT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAINE	MAINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MARYLAND	BALTIMORE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	HAGERSTOWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SALISBURY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MASSACHUSETTS	BOSTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	SPRINGFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MICHIGAN	DETROIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRAND RAPIDS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	LANSING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SAGINAW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	UPPER PENINSULA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MINNESOTA	DULUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINNEAPOLIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ROCHESTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ST CLOUD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MISSISSIPPI	BILOXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	JACKSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MISSOURI	KANSAS CITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SPRINGFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ST LOUIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	WESTPHALIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONTANA	BILLINGS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GREAT FALLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEBRASKA	GRAND ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	LINCOLN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OMAHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEVADA	LAS VEGAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	RENO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
NEW HAMPSHIRE	NEW HAMPSHIRE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW JERSEY	ATLANTIC CITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	DELAWARE VALLEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	JERSEY CITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW MEXICO	NEW MEXICO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW YORK	ALBANY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	BINGHAMTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	BUFFALO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	FISHERS ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NEW YORK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	POUGHKEEPSIE	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	ROCHESTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	SYRACUSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH CAROLINA	ASHEVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CHARLOTTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	FAYETTEVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GREENSBORO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	RALEIGH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	ROCKY MOUNT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	WILMINGTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH DAKOTA	BISMARCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	BRAINERD-FARGO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4.12

LATA Information: Local Service Competitors Relinquishing Numbering Codes - Continued

STATE	LATA	1994				1995				1996				1997				1998		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
OHIO	AKRON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CINCINNATI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CLEVELAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	COLUMBUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAYTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	LIMA-MANSFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOLEDO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	YOUNGSTOWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OKLAHOMA	OKLAHOMA CITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TULSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OREGON	EUGENE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PORTLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PENNSYLVANIA*	ALTOONA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ERIE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	HARRISBURG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PHILADELPHIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PITTSBURGH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SCRANTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RHODE ISLAND	RHODE ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH CAROLINA	CHARLESTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	COLUMBIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	FLORENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GREENVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH DAKOTA	SOUTH DAKOTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TENNESSEE	BRISTOL-JOHNSON CITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CHATTANOOGA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	KNOXVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEMPHIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NASHVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TEXAS	ABILENE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AMARILLO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AUSTIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	BEAUMONT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	BROWNSVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CORPUS CHRISTI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DALLAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	EL PASO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	HEARNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	HOUSTON	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	LONGVIEW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	LUBBOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MIDLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SAN ANGELO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SAN ANTONIO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	WACO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	WICHITA FALLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UTAH	NAVAJO TERRITORY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	UTAH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
VERMONT	VERMONT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VIRGINIA	CHARLOTTESVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CULPEPER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	EDINBURG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	HARRISONBURG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	LYNCHBURG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NORFOLK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	RICHMOND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ROANOKE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASHINGTON	SEATTLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SPOKANE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEST VIRGINIA	BLUEFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CHARLESTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CLARKSBURG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4.12
LATA Information: Local Service Competitors Relinquishing Numbering Codes

STATE	LATA	1994				1995				1996				1997				1998		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
WISCONSIN	<i>EAU CLAIRE</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>GREEN BAY</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>MADISON</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>MILWAUKEE</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WYOMING	<i>WYOMING</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LATA MARKETS**		0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	2	3	5	4
NATION-WIDE		0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	2	1

* Delaware resides entirely within the Philadelphia LATA. Therefore, competitors holding codes in the Philadelphia LATA are included both Pennsylvania and Delaware figures. Totals for all LATA markets, however, include the Philadelphia LATA figures only once.

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

Table 4.13
LATA Information: Local Service Competitors Identified - Continued

STATE	LATA	COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																				
			1994				1995				1996				1997				1998				
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3		
CALIFORNIA (CONT'D)	LOS ANGELES (CONT'D)	MCIMETRO ATS, INC.																					
		MEDIAONE, INC.																					
		MGC COMMUNICATIONS, INC.																					
		NEXTLINK, INC.																					
		PACIFIC BELL																					
		PAC-WEST TELECOMM																					
		TELEPORT COMM GROUP																					
		TELIGENT, INC.																					
		THE TELEPHONE CONNECTION OF LOS ANGELES, INC.																					
	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	22	
	MONTEREY	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
		PALM SPRINGS	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	1	2	3
SACRAMENTO	AT&T LOCAL																						
	BROOKS FIBER PROPERTIES, INC.																						
	ELECTRIC LIGHTWAVE, INC.																						
	ICG TELECOM GROUP, INC.																						
	PAC-WEST TELECOMM																						
	TELEPORT COMM GROUP																						
	TELIGENT, 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	7		
SAN DIEGO	AT&T LOCAL																						
	COX COMMUNICATIONS, INC.																						
	FIRSTWORLD																						
	ICG TELECOM GROUP, INC.																						
	LEVEL 3 COMMUNICATIONS, L.L.C.																						
	MCIMETRO ATS, INC.																						
	MGC COMMUNICATIONS, INC.																						
	NORTH COUNTY COMMUNICATIONS CORP.																						
	PAC-WEST TELECOMM																						
	TELEPORT COMM GROUP																						
	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	13	
SAN FRANCISCO	AT&T LOCAL																						
	BROOKS FIBER PROPERTIES, INC.																						
	FOCAL COMMUNICATIONS CORP.																						
	GST LIGHTWAVE, INC.																						
	ICG TELECOM GROUP, INC.																						
	LEVEL 3 COMMUNICATIONS, L.L.C.																						
	MCIMETRO ATS, INC.																						
	NEXTLINK, INC.																						
	PACIFIC BELL																						
	PAC-WEST TELECOMM																						
	STANFORD UNIVERSITY COMMUNICATIONS SERVICES																						
	TCI TELEPHONY SERVICES, INC.																						
	TELEPORT COMM GROUP																						
	WINSTAR TELECOMMUNICATIONS, INC.																						
WORLDCOM TECHNOLOGIES, INC.																							
TOTAL LOCAL SERVICE COMPETITORS IN THE LATA			0	0	0	0	0	1	2	3	5	6	8	9	10	10	10	11	11	14			
SAN LUIS OBISPO	AT&T LOCAL																						
	GST LIGHTWAVE, INC.																						
	PACIFIC BELL																						
	PAC-WEST TELECOMM																						
TOTAL LOCAL SERVICE COMPETITORS IN THE LATA			0	0	0	0	0	0	0	0	2	2	2	2	2	3	4	4	4	4			

Table 4.13
LATA Information: Local Service Competitors Identified - Continued

STATE	LATA	COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																			
			1994				1995				1996				1997				1998			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
FLORIDA (CONT'D)	JACKSONVILLE (CONTD)	INTERMEDIA COMMUNICATIONS, INC.	[Bar chart showing activity in Q3 1997]																			
		MEDIAONE, INC.	[Bar chart showing activity in Q4 1997]																			
		TELIGENT, INC.	[Bar chart showing activity in Q3 1998]																			
		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	
	MIAMI	AMERICAN COMMUN. SVCS., INC. (E.SPIRE)	[Bar chart showing activity in Q3 1998]																			
		AT&T LOCAL	[Bar chart showing activity in Q4 1997]																			
		COMCAST TELEPHONY COMMUNICATONS, INC.	[Bar chart showing activity in Q3 1997]																			
		DELTACOM	[Bar chart showing activity in Q4 1997]																			
		INTERMEDIA COMMUNICATIONS, INC.	[Bar chart showing activity in Q2 1996]																			
		MCIMETRO ATS, INC.	[Bar chart showing activity in Q3 1996]																			
		MEDIAONE, INC.	[Bar chart showing activity in Q4 1996]																			
		NATIONAL TELECOM OF FLORIDA, INC.	[Bar chart showing activity in Q3 1996]																			
		NEW MILLENNIUM COMMUNICATIONS CORP.	[Bar chart showing activity in Q4 1997]																			
		STRATEGIC TECHNOLOGIES, INC.	[Bar chart showing activity in Q3 1996]																			
		TELEPORT COMM GROUP	[Bar chart showing activity in Q2 1996]																			
		TELIGENT, INC.	[Bar chart showing activity in Q4 1997]																			
	WORLDCOM TECHNOLOGIES, INC.	[Bar chart showing activity in Q2 1996]																				
	TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	2	3	5	5	7	8	8	8	10	10		
	ORLANDO	AT&T LOCAL	[Bar chart showing activity in Q4 1997]																			
		BELLSOUTH TELECOMMUNICATIONS, INC.	[Bar chart showing activity in Q3 1997]																			
		BUSINESS TELECOM, INC.	[Bar chart showing activity in Q4 1997]																			
		DELTACOM	[Bar chart showing activity in Q4 1997]																			
		INTERMEDIA COMMUNICATIONS, INC.	[Bar chart showing activity in Q2 1996]																			
		KMC TELECOM CORP.	[Bar chart showing activity in Q4 1997]																			
		MCIMETRO ATS, INC.	[Bar chart showing activity in Q2 1996]																			
NATIONAL TELECOM OF FLORIDA, INC.		[Bar chart showing activity in Q2 1996]																				
ORLANDO TEL CO.		[Bar chart showing activity in Q3 1996]																				
SPRINT METRO NTWKS		[Bar chart showing activity in Q2 1996]																				
TELEPORT COMM GROUP		[Bar chart showing activity in Q4 1997]																				
TELIGENT, INC.	[Bar chart showing activity in Q3 1997]																					
TIME WARNER COMMUNICATIONS, L.P.	[Bar chart showing activity in Q2 1996]																					
US LEC, L.L.C.	[Bar chart showing activity in Q4 1997]																					
WORLDCOM TECHNOLOGIES, INC.	[Bar chart showing activity in Q3 1996]																					
TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	2	5	6	6	7	7	8	9	11	14			
PANAMA CITY	DELTACOM	[Bar chart showing activity in Q4 1997]																				
	KNOLOGY, INC.	[Bar chart showing activity in Q4 1997]																				
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			
PENSACOLA	DELTACOM	[Bar chart showing activity in Q4 1997]																				
	UNIVERSALCOM, INC.	[Bar chart showing activity in Q4 1997]																				
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			
TALAHASSEE	KMC TELECOM CORP.	[Bar chart showing activity in Q4 1997]																				
	DELTACOM	[Bar chart showing activity in Q4 1997]																				
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			
TAMPA	AMERICAN COMMUN. SVCS., INC. (E.SPIRE)	[Bar chart showing activity in Q3 1997]																				
	AT&T LOCAL	[Bar chart showing activity in Q4 1997]																				
	BUSINESS TELECOM, INC.	[Bar chart showing activity in Q4 1997]																				
	CITY OF LAKELAND	[Bar chart showing activity in Q4 1997]																				
	DELTACOM	[Bar chart showing activity in Q4 1997]																				
	INTERMEDIA COMMUNICATIONS, INC.	[Bar chart showing activity in Q2 1996]																				
	MCIMETRO ATS, INC.	[Bar chart showing activity in Q2 1996]																				
	NATIONAL TELECOM OF FLORIDA, INC.	[Bar chart showing activity in Q3 1996]																				
	TELEPORT COMM GROUP	[Bar chart showing activity in Q4 1997]																				
	TIME WARNER COMMUNICATIONS, L.P.	[Bar chart showing activity in Q3 1997]																				
WINSTAR TELECOMMUNICATIONS, INC.	[Bar chart showing activity in Q3 1997]																					
WORLDCOM TECHNOLOGIES, INC.	[Bar chart showing activity in Q3 1996]																					
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	12			
GEORGIA	ALBANY	DELTACOM	[Bar chart showing activity in Q4 1997]																			
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			
ATLANTA	ALLEGIANCE TELECOM, INC.	[Bar chart showing activity in Q4 1997]																				
	AMERICAN COMMUN. SVCS., INC. (E.SPIRE)	[Bar chart showing activity in Q3 1997]																				
	AT&T LOCAL	[Bar chart showing activity in Q4 1997]																				
	BUSINESS TELECOM, INC.	[Bar chart showing activity in Q4 1997]																				
	DELTACOM	[Bar chart showing activity in Q4 1997]																				
	FRONTIER LOCAL SERVICES, INC.	[Bar chart showing activity in Q4 1997]																				
	GLOBE TELECOMMUNICATIONS, INC.	[Bar chart showing activity in Q4 1997]																				
GOLDEN HARBOR, INC.	[Bar chart showing activity in Q4 1997]																					

Table 4.13
LATA Information: Local Service Competitors Identified - Continued

STATE	LATA	COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
			1994				1995				1996				1997				1998					
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3			
GEORGIA (CONT'D)	ATLANTA (CONTD)	ICG TELECOM GROUP, INC.																						
		INTERMEDIA COMMUNICATIONS, INC.																						
		KNOLOGY, INC.																						
		LEVEL 3 COMMUNICATIONS, L.L.C.																						
		MCIMETRO ATS, INC.																						
		MEDIAONE, INC.																						
		MGC COMMUNICATIONS, INC.																						
		NEXTLINK, INC.																						
		TELEPORT COMM GROUP																						
		TELIGENT, INC.																						
	TIMELY INFORMATION CORP.																							
	WINSTAR TELECOMMUNICATIONS, INC.																							
	WORLD.COM TECHNOLOGIES, INC.																							
	TOTAL LOCAL SERVICE COMPETITORS IN THE LATA			0	0	0	0	0	0	0	0	0	1	3	4	4	5	6	7	11	13	18	21	
	AUGUSTA	AT&T LOCAL																						
DELTACOM																								
KMC TELECOM CORP.																								
KNOLOGY, INC.																								
TOTAL LOCAL SERVICE COMPETITORS IN THE LATA			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	4		
MACON	AT&T LOCAL																							
	DELTACOM																							
	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	2	
SAVANNAH	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	1	2	2	2	2	
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	1	2	2	2	2	
IDAHO	BOISE	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
ILLINOIS	CHAMPAIGN	MCLEOD NETWORK SERVICES																						
		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
	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.																						
TCI TELEPHONY SERVICES, INC.																								
TELEPORT COMM GROUP																								
TELIGENT, INC.																								
US ONE COMMUNICATIONS CORP.																								
WINSTAR TELECOMMUNICATIONS, INC.																								
WORLD.COM TECHNOLOGIES, INC.																								
TOTAL LOCAL SERVICE COMPETITORS IN THE LATA			0	0	1	3	3	3	3	3	3	3	3	4	5	6	8	8	10	11	12	16		
PEORIA	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	1	1	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	0	1	1	1	1	1	1	1	1	2	2	2		
INDIANA	AUBURN-HUNTINGTON	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
	INDIANAPOLIS	INTERMEDIA COMMUNICATIONS, INC.																						
		MCIMETRO ATS, INC.																						
		MCLEOD NETWORK SERVICES																						
		TELEPORT COMM GROUP																						
		TIME WARNER COMMUNICATIONS, L.P.																						
		WORLD.COM 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	5

Table 4.13
LATA Information: Local Service Competitors Identified - Continued

STATE	LATA	COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																							
			1994				1995				1996				1997				1998							
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
MISSISSIPPI (CONTD)	JACKSON	BROOKS FIBER PROPERTIES, INC.																								
		CELLULAR XL ASSOCIATES, L.P.																								
		DELTA COM																								
		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	3	3	4	4			
MISSOURI	KANSAS CITY	AMERICAN COMMUN. SVCS., INC. (E.SPIRE)																								
		BIRCH TELECOM, INC.																								
		BROOKS FIBER PROPERTIES, INC.																								
		DUNN & ASSOCIATES, INC.																								
	SPRINGFIELD	MARK TWAIN COMMUNICATIONS CO.																								
		VALU-LINE OF KANSAS																								
	ST LOUIS	WINSTAR TELECOMMUNICATIONS, 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	2	3	3	4	7
	MONTANA	BILLINGS	BROOKS FIBER PROPERTIES, 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	2
GREAT FALLS		MID-RIVERS TELEPHONE COOPERATIVE, 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	1	1	1	1	2
NEBRASKA	GRAND ISLAND	ALIANT MIDWEST 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	1	1	1	1	1
	OMAHA	ADVANCED NETWORK COMMUNICATIONS, 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	2	2	3	3	3	4
NEVADA	LAS VEGAS	AMERICAN COMMUN. SVCS., INC. (E.SPIRE)																								
		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	3	3	3	3	3	3
NEVADA	RENO	BROOKS FIBER PROPERTIES, INC.																								
TOTAL LOCAL SERVICE COMPETITORS IN THE LATA			0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1	1	
NEW HAMPSHIRE	NEW HAMPSHIRE	BROOKS FIBER PROPERTIES, INC.																								
		FREEDOM RING COMMUNICATIONS, L.L.C.																								
		LEVEL 3 COMMUNICATIONS, 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	2	4
NEW JERSEY	ATLANTIC CITY	AT&T LOCAL																								
		SHELLSBURG TELECOMMUNICATIONS, INC.																								
		TELEPORT COMM GROUP																								
		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	1	1
	DELAWARE VALLEY	AT&T LOCAL																								
		ATX TELECOMMUNICATION SERVICES, LTD.																								
		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	2	3	4	5	6	6	6	6

Table 4.13
LATA Information: Local Service Competitors Identified - Continued

STATE	LATA	COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																				
			1994			1995			1996			1997			1998								
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3						
NEW JERSEY (CONT'D)	JERSEY CITY	ACC NATIONAL TELECOM CORP.																					
		AT&T LOCAL																					
		HYPERION TELECOMMUNICATIONS, INC.																					
		MCIMETRO ATS, 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	3	3	3	6	6	6	6	7		
NEW MEXICO	NEW MEXICO	AMERICAN COMMUN. SVCS., INC. (E.SPIRE)																					
		BROOKS FIBER PROPERTIES, INC.																					
		GST LIGHTWAVE, INC.																					
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	3	3	3	3	3	
NEW YORK	ALBANY	ACC NATIONAL TELECOM CORP.																					
		AT&T LOCAL																					
		HYPERION TELECOMMUNICATIONS, INC.																					
		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	3	3	4	4	4	4
		BINGHAMTON	ACC NATIONAL TELECOM CORP.																				
	AT&T LOCAL																						
	FRAMCO, INC.																						
	HYPERION TELECOMMUNICATIONS, INC.																						
	RCN TELECOM SERVICES, INC.																						
	TOTAL LOCAL SERVICE COMPETITORS IN THE LATA		0	0	0	1	1	1	2	2	2	2	2	2	2	2	2	2	2	4	4	4	5
	BUFFALO	ACC NATIONAL TELECOM CORP.																					
		AT&T LOCAL																					
		HYPERION TELECOMMUNICATIONS, INC.																					
		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	3	4	4	4	4	
		NEW YORK	ACC NATIONAL TELECOM CORP.																				
	ALLEGIANCE TELECOM, INC.																						
	AT&T LOCAL																						
	BROOKS FIBER PROPERTIES, INC.																						
	CABLE LIGHTPATH, 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 TELECOMMUNICATIONS CORP.																							
RCN TELECOM SERVICES, INC.																							
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	16	19	22				
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	0	1		
	ROCHESTER	ACC NATIONAL TELECOM CORP.																					
NORTHPOINT COMMUNICATIONS, INC.																							
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			

Table 4.13
LATA Information: Local Service Competitors Identified - Continued

STATE	LATA	COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																				
			1994				1995				1996				1997				1998				
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
NEW YORK (CONT'D)	SYRACUSE	ACC NATIONAL TELECOM CORP.																					
		AT&T LOCAL																					
		HYPERION TELECOMMUNICATIONS, INC.																					
		NORTHLAND NETWORKS																					
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	4	4	
NORTH CAROLINA	ASHEVILLE	AT&T LOCAL																					
		DELTACOM																					
		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	1	3	3	3	3
	CHARLOTTE	ALLTEL COMMUNICATIONS, INC.																					
		AT&T LOCAL																					
		BUSINESS TELECOM, INC.																					
		CTC EXCHANGE SERVICES, INC.																					
		DELTACOM																					
		FIBER SOUTH, INC.																					
		ICG TELECOM GROUP, INC.																					
		INTERMEDIA COMMUNICATIONS, INC.																					
	TELEPORT COMM GROUP																						
	TIME WARNER COMMUNICATIONS, L.P.																						
	TIMELY INFORMATION CORP.																						
	TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6	7	10	10	10	
FAYETTEVILLE	TIMELY INFORMATION CORP.																						
	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	
GREENSBORO	AT&T LOCAL																						
	BUSINESS TELECOM, INC.																						
	DELTACOM																						
	FIBER SOUTH, 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	1	1	3	3	5	5	5		
RALEIGH	AT&T LOCAL																						
	BUSINESS TELECOM, INC.																						
	DELTACOM																						
	FIBER SOUTH, INC.																						
	INTERMEDIA COMMUNICATIONS, INC.																						
	MCIMETRO ATS, INC.																						
	TIME WARNER COMMUNICATIONS, L.P.																						
	TIMELY INFORMATION CORP.																						
TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	6	6	8	7	7	
ROCKY MOUNT	TIMELY INFORMATION 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	1	1	
WILMINGTON	AT&T LOCAL																						
	TIMELY INFORMATION CORP.																						
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	2		
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	0	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.																						
	TAKSTAR COMMUNICATIONS, 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	1	4	7	7		
OHIO	AKRON	AT&T LOCAL																					
		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	0	1	1	1	2	2	3	3		

Table 4.13
LATA Information: Local Service Competitors Identified - Continued

STATE	LATA	COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																								
			1994				1995				1996				1997				1998								
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4					
PENNSYLVANIA* (CONT'D)	PHILADELPHIA	AT&T LOCAL																									
		ATX TELECOMMUNICATION SERVICES, LTD.																									
		CONNECTIV COMMUNICATIONS, INC.																									
		FOCAL COMMUNICATIONS CORP.																									
		HYPERION TELECOMMUNICATIONS, INC.																									
		INTERMEDIA COMMUNICATIONS, INC.																									
		MCIMETRO ATS, INC.																									
		NEXTLINK, INC.																									
		RCN TELECOM SERVICES, INC.																									
		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	0	0	1	2	4	4	4	5	6	9	11	11	12	14			
PITTSBURGH	AT&T LOCAL																										
	ATX TELECOMMUNICATION SERVICES, LTD.																										
	FULL SERVICE COMPUTING CORP.																										
	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	0	0	2	2	2	2	2	2	2	2	2	4	4	4	7			
SCRANTON	AT&T LOCAL																										
	HYPERION TELECOMMUNICATIONS, INC.																										
	NEXTLINK, INC.																										
	RCN TELECOM SERVICES, INC.																										
TOTAL LOCAL SERVICE COMPETITORS IN THE LATA			0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	3	4	4	4				
RHODE ISLAND	RHODE ISLAND	BROOKS FIBER PROPERTIES, INC.																									
		LEVEL 3 COMMUNICATIONS, L.L.C.																									
		TELEPORT COMM GROUP																									
	TOTAL LOCAL SERVICE COMPETITORS IN THE LATA			0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	3	3	3			
SOUTH CAROLINA	CHARLESTON	DELTACOM																									
		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	
	COLUMBIA	AT&T LOCAL																									
		BUSINESS TELECOM, 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	3		
	FLORENCE	DELTACOM																									
		HTC 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	1	2		
	GREENVILLE	AMERICAN COMMUN. SVCS., INC. (E.SPIRE)	AT&T LOCAL																								
			BUSINESS TELECOM, INC.																								
DELTACOM																											
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	0	0	0	0	1	1	2	2	4	6
		SOUTH DAKOTA	DAKOTA TELECOMMUNICATIONS, 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			
TENNESSEE	CHATTANOOGA	AT&T LOCAL																									
		TELEPORT COMM GROUP																									
		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	2	2	
	KNOXVILLE	AT&T LOCAL																									
		BROOKS FIBER PROPERTIES, INC.																									
		TELEPORT COMM GROUP																									
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	4	4	4			

Table 4.13
LATA Information: Local Service Competitors Identified - Continued

STATE	LATA	COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																			
			1994				1995				1996				1997			1998				
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q1	Q2	Q3		
TEXAS (CONTD)	DALLAS (CONTD)	US LONG DISTANCE, INC.																				
		WINSTAR TELECOMMUNICATIONS, INC.																				
		WORLDCOM TECHNOLOGIES, INC.																				
		TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	1	2	2	2	3	7	10	12	14	17	21	25
	EL PASO	AMERICAN COMMUN. SVCS., INC. (E.SPIRE)																				
		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	1	1	2	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	0	1	1
	HOUSTON	AT&T LOCAL																				
		BROOKS FIBER PROPERTIES, INC.																				
		CYPRESS TELECOMMUNICATIONS CORP.																				
		DOBSON WIRELESS, INC.																				
		FRONTIER LOCAL SERVICES, INC.																				
		GOLDEN HARBOR, INC.																				
		GST LIGHTWAVE, INC.																				
		INTERMEDIA COMMUNICATIONS, INC.																				
		IWL COMMUNICATIONS, INC.																				
		KINGSGATE TEL, INC.																				
LEVEL 3 COMMUNICATIONS, L.L.C.																						
MCIMETRO ATS, INC.																						
OPTEL TEXAS TELECOM, INC.																						
TAYLOR COMMUNICATIONS GROUP, INC.																						
TELEPORT COMM GROUP																						
TELIGENT, INC.																						
TIME WARNER COMMUNICATIONS, L.P.																						
US LONG DISTANCE, INC.																						
WINSTAR TELECOMMUNICATIONS, INC.																						
WORLDCOM TECHNOLOGIES, INC.																						
	TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	1	2	3	3	2	3	4	10	13	14	14	19	
LONGVIEW	GOLDEN HARBOR, 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	
LUBBOCK	GOLDEN HARBOR, INC.																					
	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	0	1	1	2	
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	0	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	0	1	1	
SAN ANTONIO	AT&T LOCAL																					
	BROOKS FIBER PROPERTIES, INC.																					
	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.																						
	TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	8	9	10	10	
WACO	GOLDEN HARBOR, INC.																					
	US LONG DISTANCE, 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	
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	0	1	
UTAH	UTAH	BROOKS FIBER PROPERTIES, INC.																				
		ELECTRIC LIGHTWAVE, INC.																				
		NEXTLINK, INC.																				
		PHOENIX FIBERLINK																				
		TELEPORT COMM GROUP																				
	TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	3	3	3	3	4	

Table 4.13
LATA Information: Local Service Competitors Identified - Continued

STATE	LATA	COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																	
			1994			1995			1996			1997			1998					
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3			
VERMONT	VERMONT	HYPERION TELECOMMUNICATIONS, INC.																		
		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
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	1	1	1	1	2	2	
	CULPEPER	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	1	1
	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	1	1
	LYNCHBURG	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	1
	NORFOLK	AT&T LOCAL																		
		COX COMMUNICATIONS, INC.																		
	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
RICHMOND	AT&T LOCAL																			
	CCI TELECOMMUNICATIONS, INC.																			
		COX COMMUNICATIONS, INC.																		
		MEDIAONE, INC.																		
		TELIGENT, INC.																		
TOTAL LOCAL SERVICE COMPETITORS IN THE LATA	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	5	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	
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.																		
		MCIMETRO ATS, 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	13
SPOKANE	AT&T LOCAL																			
	ELECTRIC LIGHTWAVE, INC.																			
		GST LIGHTWAVE, INC.																		
		NEXLINK, 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	
WISCONSIN	EAU CLAIRE	CTC COMMUNICATIONS, INC.																		
		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
	GREEN BAY	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
	MADISON	AT&T LOCAL																		
		KMC TELECOM CORP.																		
			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
	MILWAUKEE	AT&T LOCAL																		
		MCIMETRO ATS, 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	8	

Table 4.13
LATA Information: Local Service Competitors Identified - Continued

STATE	LATA	COMPANY	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																					
			1994				1995				1996				1997				1998					
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3			
WYOMING	WYOMING	TRI TEL, INC.																						
		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	1	1	1

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

Table 4.14
LATA Information: LATAs Where Local Service Competitors Hold Numbering Codes

COMPANY	STATE	LATA	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																				
			1994				1995				1996				1997				1998				
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
21ST CENTURY TELECOM OF ILLINOIS, INC.	ILLINOIS	CHICAGO																					
ACC NATIONAL TELECOM CORP.	MASSACHUSETTS	BOSTON																					
		SPRINGFIELD																					
	NEW JERSEY	JERSEY CITY																					
	NEW YORK	ALBANY																					
		BINGHAMTON																					
		BUFFALO																					
		NEW YORK																					
ROCHESTER																							
	SYRACUSE																						
ADVANCED NETWORK COMMUNICATIONS, L.L.C.	IOWA	SIoux CITY																					
	NEBRASKA	OMAHA																					
ALEC, INC.	KENTUCKY	OWENSBORO																					
ALJANT MIDWEST INC.	NEBRASKA	GRAND ISLAND																					
		OMAHA																					
ALLEGIANCE TELECOM, INC.	CALIFORNIA	LOS ANGELES																					
	GEORGIA	ATLANTA																					
	ILLINOIS	CHICAGO																					
	NEW YORK	NEW YORK																					
	TEXAS	DALLAS																					
ALLTEL COMMUNICATIONS, INC.	ARKANSAS	LITTLE ROCK																					
	FLORIDA	JACKSONVILLE																					
	NORTH CAROLINA	CHARLOTTE																					
AMERICAN COMMUN. SVCS., INC. (E.SPIRE)	ALABAMA	BIRMINGHAM																					
		MONTGOMERY																					
	ARIZONA	TUCSON																					
	ARKANSAS	LITTLE ROCK																					
	COLORADO	COLORADO SPRINGS																					
	DIST. OF COLUMBIA	WASHINGTON DC																					
	FLORIDA	JACKSONVILLE																					
		MIAMI																					
		TAMPA																					
	GEORGIA	ATLANTA																					
	KENTUCKY	LOUISVILLE																					
	LOUISIANA	NEW ORLEANS																					
	MARYLAND	BALTIMORE																					
	MISSOURI	KANSAS CITY																					
	NEVADA	LAS VEGAS																					
	NEW MEXICO	NEW MEXICO																					
	OKLAHOMA	TULSA																					
	SOUTH CAROLINA	GREENVILLE																					
	TEXAS	AUSTIN																					
		DALLAS																					
EL PASO																							
AMERICAN METROCOMM, INC.	LOUISIANA	NEW ORLEANS																					
AT&T LOCAL	ALABAMA	BIRMINGHAM																					
		MONTGOMERY																					
	CALIFORNIA	LOS ANGELES																					
		SACRAMENTO																					
		SAN DIEGO																					
		SAN FRANCISCO																					
		SAN LUIS OBISPO																					
	CONNECTICUT	CONNECTICUT																					
	DELAWARE	PHILADELPHIA*																					
	DIST. OF COLUMBIA	WASHINGTON DC																					

**Table 4.14
LATA Information: LATAs Where Local Service Competitors Hold Numbering Codes -
Continued**

COMPANY	STATE	LATA	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																			
			1994				1995				1996				1997			1998				
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
AT&T (CONT'D)	TEXAS	AUSTIN																				
		DALLAS																				
		EL PASO																				
		HOUSTON																				
		SAN ANTONIO																				
	VIRGINIA	CULPEPER																				
		LYNCHBURG																				
		NORFOLK																				
		RICHMOND																				
	WASHINGTON	SEATTLE																				
		SPOKANE																				
	WISCONSIN	MADISON																				
		MILWAUKEE																				
ATX TELECOMMUNICATION SERVICES, LTD.	DELAWARE	PHILADELPHIA*																				
	NEW JERSEY	DELAWARE VALLEY																				
	PENNSYLVANIA	PHILADELPHIA*																				
		PITTSBURGH																				
AUSTIN BESTLINE CO.	TEXAS	AUSTIN																				
BELLSOUTH TELECOMMUNICATIONS, INC.	FLORIDA	ORLANDO																				
BIRCH TELECOM, INC.	MISSOURI	KANSAS CITY																				
BROOKS FIBER PROPERTIES, INC.	ARIZONA	TUCSON																				
		LITTLE ROCK																				
	CALIFORNIA	BAKERSFIELD																				
		FRESNO																				
		SACRAMENTO																				
		SAN FRANCISCO																				
		STOCKTON																				
	CONNECTICUT	CONNECTICUT																				
	MAINE	MAINE																				
	MASSACHUSETTS	SPRINGFIELD																				
	MICHIGAN	GRAND RAPIDS																				
		LANSING																				
	MINNESOTA	MINNEAPOLIS																				
	MISSISSIPPI	JACKSON																				
	MISSOURI	KANSAS CITY																				
		SPRINGFIELD																				
	NEVADA	RENO																				
	NEW HAMPSHIRE	NEW HAMPSHIRE																				
	NEW MEXICO	NEW MEXICO																				
	NEW YORK	NEW YORK																				
	OHIO	TOLEDO																				
	OKLAHOMA	OKLAHOMA CITY																				
		TULSA																				
	RHODE ISLAND	RHODE ISLAND																				
	TENNESSEE	KNOXVILLE																				
	TEXAS	AUSTIN																				
		DALLAS																				
		HOUSTON																				
		SAN ANTONIO																				
	UTAH	UTAH																				
	BUCKEYE TELESYSTEM	OHIO	TOLEDO																			
	BUSINESS TELECOM, INC.	FLORIDA	JACKSONVILLE																			
			ORLANDO																			
TAMPA																						
GEORGIA	ATLANTA																					

Table 4.14
LATA Information: LATAs Where Local Service Competitors Hold Numbering Codes -
Continued

COMPANY	STATE	LATA	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																	
			1994				1995				1996				1997			1998		
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q1	Q2	Q3
INTERMEDIA COMMUNICATIONS, INC. (CONT'D)	TEXAS	DALLAS HOUSTON																		
INTERNATIONAL TELECOM, LTD.	WASHINGTON	SEATTLE																		
IWL COMMUNICATIONS, INC.	TEXAS	CORPUS CHRISTI HOUSTON																		
JONES INTERCABLE	DIST. OF COLUMBIA	WASHINGTON DC																		
JUSTICE TECHNOLOGY CORP.	CALIFORNIA	LOS ANGELES																		
KINGSGATE TEL, INC.	TEXAS	HOUSTON																		
KMC TELECOM CORP.	ALABAMA	HUNTSVILLE																		
	FLORIDA	ORLANDO TALAHASSEE																		
	GEORGIA	AUGUSTA SAVANNAH																		
	KANSAS	TOPEKA																		
	LOUISIANA	BATON ROUGE SHREVEPORT																		
	NORTH CAROLINA	GREENSBORO																		
	TEXAS	CORPUS CHRISTI																		
	WISCONSIN	MADISON																		
KNOLOGY, INC.	FLORIDA	PANAMA CITY																		
	GEORGIA	ATLANTA AUGUSTA																		
LEC UNWIRED, L.L.C.	LOUISIANA	LAFAYETTE																		
LEVEL 3 COMMUNICATIONS, L.L.C.	CALIFORNIA	LOS ANGELES SAN DIEGO SAN FRANCISCO																		
	COLORADO	DENVER																		
	DIST. OF COLUMBIA	WASHINGTON DC																		
	GEORGIA	ATLANTA																		
	ILLINOIS	CHICAGO																		
	MASSACHUSETTS	BOSTON SPRINGFIELD																		
	MICHIGAN	DETROIT																		
	NEW HAMPSHIRE	NEW HAMPSHIRE																		
	NEW YORK	NEW YORK																		
	RHODE ISLAND	RHODE ISLAND																		
	TEXAS	DALLAS HOUSTON																		
	WASHINGTON	SEATTLE																		
LOCAL FIBER, L.L.C.	NEW YORK	NEW YORK																		
LOST NATION - ELWOOD TELEPHONE CO.	IOWA	DAVENPORT																		
MARATHON METRO, INC.	NEW YORK	NEW YORK																		
MARK TWAIN COMMUNICATIONS CO.	MISSOURI	KANSAS CITY ST LOUIS																		
MCIMETRO ATS, INC.	ARIZONA	PHOENIX																		
	CALIFORNIA	LOS ANGELES SAN DIEGO SAN FRANCISCO																		
	COLORADO	DENVER																		
	CONNECTICUT	CONNECTICUT																		
	DELAWARE	PHILADELPHIA*																		
	DIST. OF COLUMBIA	WASHINGTON DC																		

**Table 4.14
LATA Information: LATAs Where Local Service Competitors Hold Numbering Codes -
Continued**

COMPANY	STATE	LATA	QUARTERS COMPANY HELD ONE OR MORE NUMBERING CODES																		
			1994				1995				1996				1997			1998			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q1	Q2	Q3	
WINSTAR TELECOMMUNICATIONS, INC. (CONT'D)	MICHIGAN	DETROIT																			
	MINNESOTA	MINNEAPOLIS																			
	MISSOURI	KANSAS CITY																			
	NEW JERSEY	JERSEY CITY																			
	NEW YORK	NEW YORK																			
	OHIO	COLUMBUS																			
	PENNSYLVANIA	PHILADELPHIA*																			
	TEXAS	DALLAS																			
			HOUSTON																		
	WASHINGTON	SEATTLE																			
WISCONSIN	MILWAUKEE																				
WORLD.COM TECHNOLOGIES, INC.	CALIFORNIA	LOS ANGELES																			
		SAN DIEGO																			
		SAN FRANCISCO																			
	CONNECTICUT	CONNECTICUT																			
	DELAWARE	PHILADELPHIA*																			
	DIST. OF COLUMBIA	WASHINGTON DC																			
	FLORIDA	MIAMI																			
		ORLANDO																			
		TAMPA																			
	GEORGIA	ATLANTA																			
	ILLINOIS	CHICAGO																			
	INDIANA	INDIANAPOLIS																			
	MARYLAND	BALTIMORE																			
	MASSACHUSETTS	BOSTON																			
	MICHIGAN	DETROIT																			
	MISSOURI	ST LOUIS																			
	NEW JERSEY	JERSEY CITY																			
	NEW YORK	ALBANY																			
		BUFFALO																			
		NEW YORK																			
		POUGHKEEPSIE																			
		ROCHESTER																			
	OHIO	CLEVELAND																			
	OREGON	PORTLAND																			
	PENNSYLVANIA	PHILADELPHIA*																			
	TEXAS	DALLAS																			
HOUSTON																					
WASHINGTON	SEATTLE																				
WRIGHT BUSINESSES, INC.	KENTUCKY	OWENSBORO																			
XIT TELECOMMUNICATION & TECHNOLOGY, INC.	TEXAS	AMARILLO																			

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

Table 4.15
LATA Information: Numbering Codes Assigned to Local Exchange Carriers

STATE	LATA	NUMBERING CODES ASSIGNED TO LOCAL EXCHANGE CARRIERS IN BLOCKS OF 1000 (YEAR ENDING)					PERCENTAGE OF NUMBERING CODES ASSIGNED TO LOCAL SERVICE COMPETITORS (YEAR ENDING)				
		1994	1995	1996	1997	1998**	1994	1995	1996	1997	1998**
ALABAMA	BIRMINGHAM	278	294	324	410	532	0.0%	0.0%	0.3%	19.3%	19.4%
	HUNTSVILLE	104	109	122	146	291	0.0	0.0	0.0	14.4	15.1
	MOBILE	109	127	133	153	155	0.0	0.0	0.0	6.5	7.1
	MONTGOMERY	150	158	171	197	209	0.0	0.0	0.6	10.2	13.9
ALASKA	ALASKA	369	370	377	393	397	0.0	0.0	0.0	1.3	1.3
ARIZONA	NAVAJO TERRITORY	24	25	25	25	25	0.0	0.0	0.0	0.0	0.0
	PHOENIX	481	559	588	639	680	0.0	0.0	4.6	5.5	7.2
	TUCSON	140	251	165	180	188	0.0	0.0	1.8	2.2	3.7
ARKANSAS	FORT SMITH	95	102	106	109	114	0.0	0.0	0.0	0.0	1.8
	LITTLE ROCK	387	401	425	493	471	0.0	0.0	0.0	2.2	2.5
	PINE BLUFF	77	79	84	102	88	0.0	0.0	0.0	0.0	0.0
CALIFORNIA	BAKERSFIELD	80	86	101	108	113	0.0	0.0	6.9	10.2	14.2
	CHICO	120	123	139	289	147	0.0	0.0	10.1	12.5	13.6
	FRESNO	187	202	221	233	242	0.0	0.0	5.9	7.7	11.2
	LOS ANGELES	2,096	2,235	2,591	3,071	3,685	0.0	0.5	9.8	16.0	22.5
	MONTEREY	65	71	85	87	175	0.0	0.0	8.2	9.2	9.1
	PALM SPRINGS	61	64	67	68	75	0.0	0.0	4.5	4.4	10.7
	SACRAMENTO	319	346	384	525	425	0.0	0.0	6.8	9.0	11.8
	SAN DIEGO	355	385	451	493	606	0.0	0.5	12.9	17.6	31.2
	SAN FRANCISCO	1,224	1,359	1,682	2,089	2,314	0.0	0.1	12.1	16.7	22.0
	SAN LUIS OBISPO	88	102	120	135	157	0.0	0.0	7.5	12.6	21.0
	STOCKTON	181	188	214	226	232	0.0	0.0	7.9	11.9	14.2
COLORADO	COLORADO SPRINGS	157	167	183	193	198	0.0	0.0	0.0	2.6	3.0
	DENVER	532	739	655	749	797	0.2	0.3	6.3	14.3	16.7
CONNECTICUT	CONNECTICUT	522	871	682	870	888	0.0	3.1	14.1	27.1	27.4
DELAWARE*	PHILADELPHIA	1,056	836	1,073	1,210	1,328	0.0	1.8	15.1	22.1	28.2
DISTRICT OF COLUMBIA	WASHINGTON DC	832	907	1,000	1,152	1,314	0.0	1.4	4.0	10.6	19.5
FLORIDA	DAYTONA BEACH	45	48	49	50	51	0.0	0.0	0.0	0.0	3.9
	FT MYERS	122	246	134	141	152	0.0	0.0	0.0	0.0	0.0
	GAINESVILLE	120	258	146	153	163	0.0	0.0	6.8	6.5	8.6
	JACKSONVILLE	172	188	215	230	250	0.0	0.0	5.6	6.1	11.6
	MIAMI	647	882	1,010	863	931	0.0	0.0	5.6	9.0	12.1
	ORLANDO	226	243	302	354	415	0.0	0.0	12.3	19.5	29.4
	PANAMA CITY	60	61	64	127	68	0.0	0.0	0.0	0.0	5.9
	PENSACOLA	79	86	90	187	99	0.0	0.0	0.0	0.0	3.0
	TALAHASSEE	51	57	64	140	74	0.0	0.0	0.0	0.0	4.1
	TAMPA	446	621	552	632	913	0.0	0.0	2.0	6.8	12.3
	GEORGIA	ALBANY	118	126	132	133	147	0.0	0.0	0.0	0.0
ATLANTA		717	769	894	1,002	1,327	0.0	0.0	4.8	10.6	28.3
AUGUSTA		76	81	86	91	94	0.0	0.0	0.0	3.3	6.4
MACON		85	89	99	104	108	0.0	0.0	0.0	1.0	2.8
SAVANNAH		139	144	152	164	182	0.0	0.0	0.0	1.2	1.6
HAWAII	HAWAII	246	258	271	284	290	0.0	0.0	0.4	2.8	3.8
IDAHO	BOISE	227	241	240	256	272	0.0	0.0	0.0	0.4	4.0
	COUER D-ALENE	60	61	63	66	68	0.0	0.0	0.0	0.0	0.0
ILLINOIS	CAIRO	84	84	84	85	85	0.0	0.0	0.0	0.0	0.0
	CHAMPAIGN	86	87	90	90	92	0.0	0.0	1.1	1.1	2.2
	CHICAGO	1,195	1,280	1,763	1,707	2,051	1.0	4.5	11.5	17.9	29.9
	FORREST	83	82	84	87	89	0.0	0.0	0.0	0.0	0.0
	MACOMB	61	61	61	61	61	0.0	0.0	0.0	0.0	0.0
	MATTOON	66	66	66	66	67	0.0	0.0	0.0	0.0	0.0
	OLNEY	66	67	66	66	66	0.0	0.0	0.0	0.0	0.0
	PEORIA	132	135	137	141	149	0.0	0.0	0.0	0.0	3.4
	QUINCY	61	62	62	63	63	0.0	0.0	0.0	0.0	0.0
	ROCKFORD	69	71	73	76	77	0.0	0.0	0.0	0.0	0.0
	SPRINGFIELD	98	98	103	109	117	0.0	0.0	1.9	3.7	9.4
STERLING	53	53	55	56	57	0.0	0.0	0.0	0.0	0.0	
INDIANA	AUBURN-HUNTINGTON	123	123	127	128	136	0.0	0.0	0.0	0.0	0.7
	BLOOMINGTON	112	117	119	124	125	0.0	0.0	0.0	0.0	0.0
	EVANSVILLE	78	82	85	89	89	0.0	0.0	0.0	0.0	0.0
	INDIANAPOLIS	427	447	468	512	528	0.0	0.0	1.3	5.3	5.9
	RICHMOND	40	41	43	41	41	0.0	0.0	0.0	0.0	0.0
	SOUTH BEND	167	172	177	185	196	0.0	0.0	0.0	0.0	0.5
	TERRE HAUTE	47	47	48	52	53	0.0	0.0	0.0	0.0	0.0
IOWA	CEDAR RAPIDS	191	195	201	213	237	0.0	1.0	1.0	0.9	6.8
	DAVENPORT	183	186	191	198	211	0.0	0.0	0.0	0.5	1.4
	DES MOINES	405	410	421	470	474	0.0	0.0	0.0	1.3	1.3
	SIoux CITY	158	159	160	166	173	0.0	0.0	0.0	0.6	4.6
KANSAS	TOPEKA	315	319	329	661	668	0.0	0.0	0.0	0.0	0.3
	WICHITA	393	401	416	431	435	0.0	0.0	0.0	0.0	0.0
KENTUCKY	LOUISVILLE	219	228	247	268	280	0.0	0.0	0.8	4.5	5.4
	OWENSBORO	172	175	181	210	219	0.0	0.0	0.0	12.4	13.2
	WINCHESTER	235	253	266	284	303	0.0	0.0	0.0	4.6	8.3

Table 4.15
LATA Information: Numbering Codes Assigned to Local Exchange Carriers - Continued

STATE	LATA	NUMBERING CODES ASSIGNED TO LOCAL EXCHANGE CARRIERS IN BLOCKS OF 1000 (YEAR ENDING)					PERCENTAGE OF NUMBERING CODES ASSIGNED TO LOCAL SERVICE COMPETITORS (YEAR ENDING)				
		1994	1995	1996	1997	1998**	1994	1995	1996	1997	1998**
LOUISIANA	BATON ROUGE	111	116	126	134	282	0.0%	0.0%	0.0%	2.2%	5.0%
	LAFAYETTE	137	146	155	165	169	0.0	0.0	0.0	0.0	1.2
	NEW ORLEANS	254	279	299	310	328	0.0	0.0	0.0	1.3	4.3
	SHREVEPORT	204	211	214	230	236	0.0	0.0	0.0	0.9	1.3
MAINE	MAINE	339	342	347	370	429	0.0	0.0	0.0	0.5	12.8
MARYLAND	BALTIMORE	347	394	465	524	580	0.3	4.3	10.1	16.8	22.2
	HAGERSTOWN	80	84	89	93	100	0.0	0.0	0.0	0.0	2.0
	SALISBURY	60	63	67	69	87	0.0	0.0	0.0	0.0	20.7
MASSACHUSETTS	BOSTON	787	877	995	1,630	1,718	0.3	4.0	11.1	20.2	41.7
	SPRINGFIELD	132	140	148	193	198	0.0	0.0	3.4	22.3	24.2
MICHIGAN	DETROIT	645	751	822	1,144	1,079	0.6	7.2	9.9	16.4	22.5
	GRAND RAPIDS	382	406	432	458	468	0.0	3.9	5.1	5.2	6.6
	LANSING	110	114	122	125	126	0.0	0.0	1.6	1.6	1.6
	SAGINAW	177	179	187	192	198	0.0	0.0	0.0	1.6	3.0
	UPPER PENINSULA	112	112	114	117	115	0.0	0.0	0.0	0.0	0.0
MINNESOTA	DULUTH	84	85	86	88	89	0.0	0.0	0.0	0.0	1.1
	MINNEAPOLIS	434	463	513	600	799	0.0	0.0	4.3	11.7	10.3
	ROCHESTER	263	265	269	272	277	0.0	0.0	0.0	0.0	0.7
	ST CLOUD	136	138	139	142	147	0.0	0.0	0.0	0.7	4.1
MISSISSIPPI	BILOXI	43	43	52	113	122	0.0	0.0	0.0	1.8	4.1
	JACKSON	376	393	423	446	460	0.0	0.0	0.2	2.5	3.0
MISSOURI	KANSAS CITY	594	635	652	918	698	0.0	0.0	0.0	0.8	2.0
	SPRINGFIELD	218	226	229	242	244	0.0	0.0	0.0	1.7	1.6
	ST LOUIS	663	688	715	775	809	0.0	0.0	0.0	4.0	6.1
	WESTPHALIA	51	53	57	59	60	0.0	0.0	0.0	0.0	0.0
MONTANA	BILLINGS	147	149	150	159	164	0.0	0.0	0.0	3.1	5.5
	GREAT FALLS	179	180	184	189	191	0.0	0.0	0.0	0.5	1.0
NEBRASKA	GRAND ISLAND	203	209	206	219	220	0.0	0.0	0.0	0.5	0.5
	LINCOLN	209	212	213	224	228	0.0	0.0	0.0	0.0	0.0
	OMAHA	331	344	363	386	403	0.0	0.0	0.0	1.8	5.0
NEVADA	PAHRUMP	157	173	210	248	258	0.0	0.0	4.8	14.1	16.7
	RENO	151	158	166	171	166	0.0	0.0	0.6	2.3	2.4
NEW HAMPSHIRE	NEW HAMPSHIRE	229	240	245	284	372	0.0	0.0	0.0	7.0	28.5
NEW JERSEY	ATLANTIC CITY	67	73	78	82	83	0.0	0.0	1.3	3.7	3.6
	DELAWARE VALLEY	214	228	251	383	421	0.0	0.0	3.2	30.8	33.3
	JERSEY CITY	763	821	974	1,078	1,386	0.0	0.0	8.1	12.2	25.5
NEW MEXICO	NEW MEXICO	313	324	350	370	378	0.0	0.0	0.9	1.1	1.9
NEW YORK	ALBANY	257	262	271	290	294	0.8	1.1	3.3	9.3	9.5
	BINGHAMTON	146	148	150	159	166	0.7	1.4	2.7	6.3	9.0
	BUFFALO	241	251	260	291	293	0.8	1.2	2.3	11.0	11.6
	FISHERS ISLAND	1	1	1	1	1	0.0	0.0	0.0	0.0	0.0
	NEW YORK	1,717	1,755	1,865	2,138	2,314	1.3	2.8	5.7	15.3	20.7
	POUGHKEEPSIE	140	144	147	149	154	0.0	0.7	0.0	0.0	1.9
	ROCHESTER	156	164	179	190	194	1.3	1.8	4.5	5.8	6.2
	SYRACUSE	288	296	308	323	335	0.3	1.7	4.9	8.4	10.7
NORTH CAROLINA	ASHEVILLE	80	81	88	92	194	0.0	0.0	0.0	3.3	7.2
	CHARLOTTE	317	350	362	432	547	0.0	0.0	0.0	10.9	15.5
	FAYETTEVILLE	118	122	129	141	144	0.0	0.0	0.0	1.4	1.4
	GREENSBORO	225	245	274	604	327	0.0	0.0	0.0	7.3	10.7
	RALEIGH	166	184	226	264	290	0.0	0.0	7.5	16.3	20.0
	ROCKY MOUNT	160	166	179	187	396	0.0	0.0	0.0	0.0	1.5
	WILMINGTON	64	70	73	75	80	0.0	0.0	0.0	2.7	5.0
NORTH DAKOTA	BISMARK NORTH	182	181	178	180	186	0.0	0.0	0.0	0.0	0.5
	BRainerd-FARGO	355	356	358	363	372	0.0	0.0	0.0	0.3	2.2
OHIO	AKRON	157	159	169	191	196	0.0	0.0	0.0	3.1	6.1
	CINCINNATI	274	285	297	329	355	0.0	0.0	0.0	6.1	10.7
	CLEVELAND	312	327	379	710	495	0.0	0.0	7.4	18.2	21.6
	COLUMBUS	415	432	461	766	528	0.0	0.0	0.4	3.1	8.0
	DAYTON	205	209	429	239	245	0.0	0.0	0.0	3.3	4.9
	LIMA-MANSFIELD	148	154	190	168	158	0.0	0.0	0.0	0.0	0.0
	TOLEDO	253	258	264	278	284	0.0	0.0	1.1	1.4	2.1
	YOUNGSTOWN	80	85	87	92	89	0.0	0.0	0.0	0.0	0.0
OKLAHOMA	OKLAHOMA CITY	495	503	533	853	575	0.0	0.0	0.4	2.7	4.0
	TULSA	275	286	301	313	326	0.0	0.0	1.0	1.3	1.5
OREGON	EUGENE	166	347	185	195	199	0.0	0.0	0.0	0.0	0.5
	PORTLAND	440	579	522	581	654	0.0	2.1	5.7	9.5	17.0

Table 4.15
LATA Information: Numbering Codes Assigned to Local Exchange Carriers - Continued

STATE	LATA	NUMBERING CODES ASSIGNED TO LOCAL EXCHANGE CARRIERS IN BLOCKS OF 1000 (YEAR ENDING)					PERCENTAGE OF NUMBERING CODES ASSIGNED TO LOCAL SERVICE COMPETITORS (YEAR ENDING)				
		1994	1995	1996	1997	1998**	1994	1995	1996	1997	1998**
PENNSYLVANIA*	ALTOONA	180	196	196	207	218	0.0%	0.0%	0.0%	4.3%	9.2%
	ERIE	66	66	67	70	71	0.0	0.0	0.0	0.0	0.0
	HARRISBURG	238	253	269	291	305	0.0	0.0	1.5	4.8	8.2
	PHILADELPHIA	1,056	836	1,073	1,210	1,328	0.0	1.8	15.1	22.1	28.2
	PITTSBURGH	433	487	563	593	626	0.0	4.3	13.0	15.3	19.2
	SCRANTON	252	258	277	288	289	0.0	0.0	2.2	6.3	7.3
RHODE ISLAND	RHODE ISLAND	133	136	151	183	214	0.0	0.0	6.6	14.8	25.7
SOUTH CAROLINA	CHARLESTON	90	96	102	109	232	0.0	0.0	0.0	0.9	6.0
	COLUMBIA	157	170	180	202	216	0.0	0.0	0.0	5.4	9.7
	FLORENCE	94	95	109	121	272	0.0	0.0	0.0	4.1	12.1
	GREENVILLE	172	365	191	226	250	0.0	0.0	0.0	13.7	19.2
SOUTH DAKOTA	SOUTH DAKOTA	318	320	322	333	338	0.0	0.0	0.0	2.1	3.0
TENNESSEE	BRISTOL-JOHNSON CITY	88	180	103	107	110	0.0	0.0	0.0	0.0	0.0
	CHATTANOOGA	88	159	100	103	112	0.0	0.0	0.0	2.9	3.6
	KNOXVILLE	139	290	167	171	206	0.0	0.0	1.8	4.1	16.0
	MEMPHIS	245	251	279	291	313	0.0	0.0	2.5	5.8	11.2
	NASHVILLE	320	328	357	553	462	0.0	0.0	1.1	8.0	15.4
TEXAS	ABILENE	54	55	56	57	60	0.0	0.0	0.0	0.0	1.7
	AMARILLO	139	141	145	174	149	0.0	0.0	0.0	1.7	2.7
	AUSTIN	218	235	264	325	340	0.0	0.0	1.1	15.1	16.8
	BEAUMONT	86	90	99	106	111	0.0	0.0	0.0	0.0	0.9
	BROWNSVILLE	79	89	94	103	109	0.0	0.0	0.0	0.0	1.8
	CORPUS CHRISTI	120	125	138	157	167	0.0	0.0	0.0	8.9	10.8
	DALLAS	987	1,064	1,607	1,554	1,586	0.0	0.6	1.6	12.2	17.0
	EL PASO	73	77	84	92	97	0.0	0.0	0.0	1.1	3.1
	HEARNE	45	45	47	48	51	0.0	0.0	0.0	0.0	2.0
	HOUSTON	760	810	1,182	1,233	1,297	0.0	0.7	1.9	13.6	17.2
	LONGVIEW	146	150	158	215	224	0.0	0.0	0.0	22.8	22.3
	LUBBOCK	129	133	137	140	146	0.0	0.0	0.0	0.0	1.4
	MIDLAND	100	101	103	103	107	0.0	0.0	0.0	0.0	1.9
	SAN ANGELO	78	79	83	83	84	0.0	0.0	0.0	0.0	1.2
	SAN ANTONIO	328	357	395	507	513	0.0	0.0	0.0	13.2	15.4
	WACO	117	119	129	166	141	0.0	0.0	0.0	0.6	1.4
	WICHITA FALLS	77	78	79	97	82	0.0	0.0	0.0	0.0	1.2
UTAH	NAVAJO TERRITORY	3	3	3	6	6	0.0	0.0	0.0	0.0	0.0
	UTAH	333	359	427	631	682	0.0	0.0	7.3	6.8	10.7
VERMONT	VERMONT	178	179	181	228	279	0.0	0.0	0.0	18.4	32.3
VIRGINIA	CHARLOTTESVILLE	24	27	35	45	47	0.0	0.0	0.0	13.3	14.9
	CULPEPER	77	152	85	91	95	0.0	0.0	0.0	0.0	4.2
	EDINBURG	9	18	9	10	10	0.0	0.0	0.0	0.0	0.0
	HARRISONBURG	16	32	18	18	20	0.0	0.0	0.0	0.0	5.0
	LYNCHBURG	64	69	73	78	78	0.0	0.0	0.0	0.0	1.3
	NORFOLK	201	215	466	257	266	0.0	0.0	0.0	3.5	7.5
	RICHMOND	211	221	232	271	284	0.0	0.0	0.0	10.0	13.0
ROANOKE	162	330	172	185	198	0.0	0.0	0.0	0.0	2.0	
WASHINGTON	SEATTLE	592	643	720	811	885	1.2	4.4	8.9	12.2	15.6
	SPOKANE	240	253	260	279	295	0.0	0.4	0.8	3.2	7.5
WEST VIRGINIA	BLUEFIELD	37	55	38	39	39	0.0	0.0	0.0	0.0	0.0
	CHARLESTON	163	165	166	169	172	0.0	0.0	0.0	0.0	0.0
	CLARKSBURG	121	125	126	126	127	0.0	0.0	0.0	0.0	0.0
WISCONSIN	EAU CLAIRE	171	178	180	184	187	0.0	0.0	0.0	1.1	1.6
	GREEN BAY	239	245	254	264	276	0.0	0.0	0.0	0.8	2.9
	MADISON	229	241	249	255	269	0.0	0.0	0.0	0.8	3.3
	MILWAUKEE	354	381	418	447	497	0.3	1.6	6.7	9.6	15.5
WYOMING	WYOMING	115	117	121	124	126	0.0	0.0	0.8	0.8	0.8
NATIONWIDE*		46,667	51,236	55,292	63,283	67,407	0.1%	0.8%	4.1%	9.3%	14.3%

* Delaware resides entirely within the Philadelphia LATA. Therefore, codes assigned in the Philadelphia LATA are included in both Pennsylvania and Delaware figures. Nationwide totals, however, include the Philadelphia LATA figures only once.

** Columns showing 1998 data are as of third quarter, 1998.

V. NEW ENTRANT LOCATOR INFORMATION

This section contains lists of names, mailing addresses, and telephone numbers for those carriers competing in the local market that filed a 1998 Telecommunications Relay Service Worksheet as of October 28, 1998. The information reported on the 1998 TRS Worksheet is for the year ended December 31, 1997. Therefore, carriers starting business in 1998 will not appear in this section. Table 5.1 lists carriers that identified themselves as either CAPs or CLECs. Table 5.2 lists those carriers that identified themselves as local resellers or other local carriers.

Some carriers that provide local service are not listed in Table 5.1 or Table 5.2 because they did not indicate local service to be their primary business on their TRS Worksheet. Some such carriers are identified in Table 5.3. Table 5.3 lists interexchange carriers and toll resellers that reported local revenues on their TRS Worksheet and that also have been assigned numbering codes²¹ to provide such service.

The information in this section is normally contained in the *Carrier Locator* report published by the Industry Analysis Division each year. When the 1998 report is published, the information in this section will be updated to combine information from both the TRS Worksheets and the Universal Service Worksheets.

²¹ Central office or NXX codes. See Section IV.

TABLE 5.1
Competitive Access Providers and Competitive Local Exchange Carriers
Filing 1998 TRS Worksheets

HOLDING COMPANY					
NAME OF REPORTING CARRIER	HEADQUARTERS ADDRESS	CITY	ST	ZIP CODE	TEL. NO.
AT&T					
Teleport Communications Group, Inc.	Two Teleport Dr.	Staten Island	NY	10311	718-355-5966
ACC Corp.					
ACC National Telecom Corp.	400 West Ave.	Rochester	NY	14611	800-456-6000
American Communications Services, Inc. (e-spire)					
American Communications Services of Albuquerque, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communications Services of Amarillo, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communications Services of Birmingham, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communications Services of Charleston, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communications Services of Columbia, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communications Services of Columbus, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communications Services of El Paso, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communications Services of Fort Worth, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communications Services of Greenville, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communications Services of Irving, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communications Services of Jackson, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communications Services of Las Vegas, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communications Services of Lexington, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communications Services of Little Rock, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communications Services of Louisville, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	301-617-4200
American Communications Services of Maryland, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communications Services of Mobile, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communications Services of Montgomery, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communications Services of Pima County, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
American Communications Services of Spartanburg, Inc.	133 National Business Pkwy., Suite 200	Annapolis Junction	MD	20701	888-424-2274
Cablevision Lightpath	111 New South Rd.	Hicksville	NY	11801	516-393-1336
Cambridge Telecom Services, Inc.	111 East First St.	Geneseo	IL	61254	309-944-2103
Citizens Utilities Company					
Electric Lightwave, Inc.	4400 N.E. 77th Avenue	Vancouver	WA	98662-6706	800-354-2780
Comcast Group					
Comcast Communications					
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
COX Communications, Inc.					
Cox Arizona Telcom, Inc	1400 Lake Hearn Dr.	Atlanta	GA	30319	404-843-5000
Cox California Telcom, Inc.	1400 Lake Hearn Dr.	Atlanta	GA	30319	404-843-5000
Cox Fibernet Louisiana, Inc.	1400 Lake Hearn Dr.	Atlanta	GA	30319	404-843-5000
Cox Florida Telcom, L.P.	1400 Lake Hearn Dr.	Atlanta	GA	30319	404-843-5000
Cox Oklahoma Telcom, Inc.	1400 Lake Hearn Dr.	Atlanta	GA	30319	404-843-5000
Cox Virginia Telcom, Inc.	1400 Lake Hearn Dr.	Atlanta	GA	30319	404-843-5000
CTC Communications, Inc.	110 North Second Avenue, P.O. Box 164	Dallas	WI	54733	715-837-1011
Frontier Corporation					
Frontier Local Services, Inc.	180 South Clinton Avenue	Rochester	NY	14646	800-783-2020
Genesis Communications International, Inc.	11995 El Camino Real, #102	San Diego	CA	92130	800-705-3500
GST Telecommunications Inc.					
GST Pacific Lightwave, Inc.	4001 Main Street	Vancouver	WA	98663	360-906-7100
GST Telecom California, Inc.	4001 Main Street	Vancouver	WA	98663	360-906-7100
GST Telecom Hawaii, Inc.	4001 Main Street	Vancouver	WA	98663	360-906-7100

TABLE 5.1
Competitive Access Providers and Competitive Local Exchange Carriers
Filing 1998 TRS Worksheets - Continued

HOLDING COMPANY					
NAME OF REPORTING CARRIER	HEADQUARTERS ADDRESS	CITY	ST	ZIP CODE	TEL. NO.
GST Telecommunications Inc. - Continued					
GST Telecom Washington, Inc.	4001 Main Street	Vancouver	WA	98663	360-906-7100
GST Telecom, Inc.	4317 N.E. Thurston Way	Vancouver	WA	98662	888-GST-8878
GST Tuscon Lightwave, Inc.	4001 Main Street	Vancouver	WA	98663	360-906-7100
Hyperion Telecommunications, Inc.					
Hyperion Susquehana Telecommunications	140 W. Market St.	York	PA	17401-1384	717-505-1100
Hyperion Telecommunications of Vermont	18 Ave. B	Williston	VT	05495	802-865-1113
Hyperion Telecommunications of Harrisburg	Suite 301, 116 Pine St.	Harrisburg	PA	17101	717-214-2180
Hyperion Telecommunications of Pennsylvania, Inc.	DDI Plaza Two, 500 Thomas St., Suite 400	Bridgewater	PA	15017	412-221-1888
Hyperion Telecommunications of Syracuse, Inc.	6007 Fair Lakes Rd.	East Syracuse	NY	13057	315-234-5678
Hyperion Telecommunications of Virginia, Inc.	885 W. Main St., Suite 103	Charlottesville	VA	22903	804-817-9100
Newchannels Hyperion Telecommunications	6007 Fairlakes Rd.	East Syracuse	NY	13507	315-463-6429
NHT Partnership	Main Place Tower, Suite 1110, 350 Main St.	Buffalo	NY	14202	716-855-0450
PECO Hyperion Telecommunications	3020 Market St., 3rd Floor	Philadelphia	PA	19104	215-966-2748
Centennial Cellular					
Hyperion of Tennessee, L.P.	Washington Sq. Bldg., 222 Second Ave., N., Suite 422	Nashville	TN	37201	615-259-4961
Multimedia Hyperion Telecommunications	701 East Douglas St.	Wichita	KS	67202	316-264-9220
ICG Communications, Inc.					
ICG Telecom Group, Inc.	161 Inverness Drive West	Englewood	CO	80112	303-414-5414
Kansas City Fiber Networks, L.P.	1111 Main St., Suite 300	Kansas City	MO	64105	816-472-8888
KMC Telecom Inc.	1545 Rt. 206, Suite 300	Bedminster	NJ	07921	908-470-2100
KNOLOGY Holdings, Inc.					
KNOLOGY of Montgomery, inc.	1241 O.G. Skinner Dr.	West Point	GA	31833	334-356-1000
Louisville Lightwave	210 Kentucky Towers, 430 West Muhammed Ali Blvd.	Louisville	KY	40202	502-568-2542
McLeod, Inc.					
McLeodusa Telecommunications Services, Inc.	Town Centre, Suites 500, 221Third Ave., S.E.	Cedar Rapids	IA	52401	319-364-0000
MediaOne Group, Inc.					
MediaOne Fiber Technologies, Inc.	7800 Belfort Pkwy., Suite 190	Jacksonville	FL	32256	904-619-3390
MediaOne Telecommunications Corp., Inc.					
MediaOne Business Services, Inc	2925 Courtyards Drive	Norcross	GA	30071	770-559-2294
MediaOne of Virginia	Wistar Center, 8145 Staples Mill Rd.	Richmond	VA	23228	804-553-8860
MetroComm AXS, L.P.	50 W. Broad St.	Columbus	OH	43215	614-221-9230
New Jersey Fiber Technologies	Suite 104, 225 Old New Brunswick Rd.	Piscataway	NJ	08854	732-981-9202
Nextlink Communications, Inc.					
Nextlink California, LLC	1924 E. Deere Ave., Suite 110	Santa Ana	CA	92705	714-417-7700
Nextlink Ohio, LLC	155 108th Avenue, Suite 810	Bellevue	WA	98004	800-861-4405
Nextlink Pennsylvania, L.P.	925 Berkshire Blvd.	Wyomissing	PA	19610	888-288-2580
Nextlink Tennessee, LLC	105 Molloy St., Suite 300	Nashville	TN	37201	615-777-7742
Nextlink Utah, LLC	155-108th Ave N.E., 8th Floor	Bellevue	WA	98004	801-983-1550
Nextlink Washington, LLC	1330 N. Washington, Suite 5000	Spokane	WA	99201	509-444-8500
Telecommunications of Nevada, LLC	2240 Corporate Circle	Henderson	NV	89014	702-990-1000
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 430	Greenville	SC	29607	800-285-0299
Optel, Inc					
TV Max Communications (Texas) Inc.	1111 W. Mockingbird Lane, #1000	Dallas	TX	75247	800-487-3320
Pac-West Telecomm., Inc.	4210 Coronada Ave.	Stockton	CA	95204	209-926-3300
Phoenix Fiber Access	4001 Main Street	Vancouver	WA	98663	360-906-7100
RCN Telecom Services, Inc					
RCN-BecoCom, LLC	105 Carnegie Center	Princeton	NJ	08540	800-746-4726

TABLE 5.1
Competitive Access Providers and Competitive Local Exchange Carriers
Filing 1998 TRS Worksheets - Continued

HOLDING COMPANY					
NAME OF REPORTING CARRIER	HEADQUARTERS ADDRESS	CITY	ST	ZIP CODE	TEL. NO.
RCN Telecom Services, Inc - Continued RCN Telecom Services of Philadelphia, Inc.	105 Carnegie Center	Princeton	NJ	08540	800-746-4726
Taylor Communications Group, Inc.	3201 Cherry Ridge Dr., Suite C-315	San Antonio	TX	78230-4826	210-892-4100
Teligent, Inc.	8065 Leesburg Pike	Vienna	VA	22182	800-689-9367
The Municipal Comm. Utility of the City of Cedar Falls	P.O. Box 769	Cedar Falls	IA	50613	319-266-1761
Thrifty Call Inc. Golden Harbor of Texas, Inc.	401 Carlson Circle	San Marcos	TX	78666	512-392-8207
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	407-660-5542
Time Warner AXS of Greater Cincinnati	5700 S. Quebec St.	Greenwood Village	CO	80111	513-489-5820
Time Warner AXS of New York City	5700 S. Quebec St.	Greenwood Village	CO	80111	718-204-3637
Time Warner AXS of Western Ohio, LP	5700 S. Quebec St.	Greenwood Village	CO	80111	419-331-3333
Time Warner Communications	7500 S. Quebec St.	Greenwood Village	CO	80111	901-369-5000
Time Warner Communications of Charlotte, LP	5700 S. Quebec St.	Greenwood Village	CO	80111	704-338-7300
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	512-485-6206
Time Warner Communications of Hawaii, L.P.	5700 S. Quebec St.	Greenwood Village	CO	80111	808-625-8500
Time Warner Communications of Houston	5700 S. Quebec St.	Greenwood Village	CO	80111	713-462-1900
Time Warner Communications of Indiana, L.P.	5700 S. Quebec St.	Greenwood Village	CO	80111	317-587-1300
Time Warner Communications of Milwaukee, L.P.	5700 S. Quebec St.	Greenwood Village	CO	80111	414-277-4000
Time Warner Communications of North Carolina, LP	5700 S. Quebec St.	Greenwood Village	CO	80111	910-393-0557
Time Warner Communications of Raleigh, L.P.	5700 S. Quebec St.	Greenwood Village	CO	80111	919-872-1444
Time Warner, Inc.	160 Inverness Drive West	Englewood	CO	80111	800-366-4900
Total Telecommunications Services, Inc.	7701 N. Broadway, Suite A5	Oklahoma City	OK	73116	405-842-1764
WinStar Communications WinStar Telecommunications, Inc. WinStar Wireless, Inc.	1577 Springhill Road, 6th Floor 7799 Leesburg Pike, Suite 4015	Vienna Falls Church	VA VA	22182 22043	800-569-0010 703-645-5123
WorldCom Inc. Brooks Fiber Comm. of Arkansas, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616
Brooks Fiber Comm. of Bakersfield, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616
Brooks Fiber Comm. of Connecticut, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616
Brooks Fiber Comm. of Fresno, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616
Brooks Fiber Comm. of Massachusetts, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616
Brooks Fiber Comm. of Michigan, Inc.	515 East Amite Street	Jackson	MS	39201	314-878-1616
Brooks Fiber Comm. of Minnesota, Inc.	515 East Amite Street	Jackson	MS	39201	601-360-8600
Brooks Fiber Comm. of Mississippi, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616
Brooks Fiber Comm. of Missouri, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616
Brooks Fiber Comm. of Nevada, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616
Brooks Fiber Comm. of New Mexico, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616
Brooks Fiber Comm. of New York, Inc.	515 East Amite Street	Jackson	MS	39201	601-360-8600
Brooks Fiber Comm. of Ohio, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616
Brooks Fiber Comm. of Oklahoma, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616
Brooks Fiber Comm. of Rhode Island, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616
Brooks Fiber Comm. of Sacramento, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616
Brooks Fiber Comm. of San Jose, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616
Brooks Fiber Comm. of Stockton, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616
Brooks Fiber Comm. of Tennessee, Inc.	515 East Amite Street	Jackson	MS	39201	601-360-8600
Brooks Fiber Comm. of Texas, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616
Brooks Fiber Comm. of Tucson, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616
Brooks Fiber Comm. of Tulsa, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616
Brooks Fiber Comm. of Utah, Inc.	425 S. Woods Mill Rd., Suite 300	Town & Country	MO	63017-3441	314-878-1616

TABLE 5.1
Competitive Access Providers and Competitive Local Exchange Carriers
Filing 1998 TRS Worksheets - Continued

HOLDING COMPANY					
NAME OF REPORTING CARRIER	HEADQUARTERS ADDRESS	CITY	ST	ZIP CODE	TEL. NO.
WorldCom Inc. - Continued MFS Communications Company, Inc. MFS Telecom, Inc.	11808 Miracle Hills Dr.	Omaha	NE	68154	601-360-8600
Whitefish Investments, LLC & Arvig Enterprises, Inc. InfoTel Communications, LLC	P.O. Box 2838, 651 Edgewood Drive N., Suite 1	Baxter	MN	56425	218-825-7880

TABLE 5.2
Local Resellers and Other Local Carriers
Filing 1998 TRS Worksheets

HOLDING COMPANY					
NAME OF REPORTING CARRIER	HEADQUARTERS ADDRESS	CITY	ST	ZIP CODE	TEL. NO.
Access Integrated Networks, Inc.	152 North Crest Boulevard, Suite C	Macon	GA	31210-1844	912-475-9800
Arc Networks, Inc.	1770 Motor Pkwy.	Happauge	NY	11788	516-951-2500
Cruisephone, Inc.	1100 Park Central Blvd. South, Suite 1800	Pompano Beach	FL	33064	954-984-7316
Hargray Communications Group, Inc. Low Country Carriers, Inc.	P.O. Box 5986	Hilton Head Island	SC	29938	803-686-5400
McGraw Communications, Inc.	1049 Park Avenue	New York	NY	10028	212-849-2227
NextLink One, Inc.	1950 Stemmons Freeway, Suite 5065	Dallas	TX	75207	214-800-8578
OnePoint Communications, LLC	2201 Waukegan Road, Ste W-100	Bannackburn	IL	60015	888-663-7646
USN Communications, Inc. USN Communications Northeast, Inc.	10 S. Riverside Plaza	Chicago	IL	60606	312-906-3600
Veritech Ventures LLC Onsite Access Local LLC	680 Fifth Avenue, 12th Floor	New York	NY	10019	212-324-1500
Washington International Teleport, Inc.	5600 General Washington Dr., Suite B-210	Alexandria	VA	22312	800-828-4226

TABLE 5.3
Long Distance Carriers Reporting Local Revenues
On Their 1998 TRS Worksheets

HOLDING COMPANY					
NAME OF REPORTING CARRIER	HEADQUARTERS ADDRESS	CITY	ST	ZIP CODE	TEL. NO.
ACN Communications, Inc.	5100 California Ave., Suite #104	Bakersfield	CA	93309	805-281-2100
ATX Telecommunications Services, Ltd.	50 Monument Rd.	Bala Cynwyd	PA	19004	610-668-3000
AT&T Corp.	295 N. Maple Ave.	Basking Ridge	NJ	07920	908-221-2000
Cypress Telecommunications Corp.	11811 N. Freeway, Suite 800	Houston	TX	77060	713-591-3000
Dakota Telecommunications Group, Inc. DTG Communications, Inc.	P.O. Box 66, East Hwy. 46	Irene	SD	57037-0066	800-658-3064
General Communications, Inc. General Communications Corp.	2550 Denali St., Suite 1000	Anchorage	AK	99503-2781	907-265-5400
GTE Corporation GTE Communications Corporation	1200 Walnut Hill Ln.	Irving	TX	75038	972-718-8088
ITC DeltaCom, Inc. Delta Comm., Inc.	206 West 9th St.	West Point	GA	31833	800-239-3000
Intermedia Communications of Florida, Inc.	3625 Queen Palm Dr.	Tampa	FL	33619-1309	888-879-2300
LCI International, Inc. USLD Communications, Inc.	9311 San Pedro, Suite 100	San Antonio	TX	78216	800-460-1111
MCI Communications Corporation	1801 Pennsylvania Ave.	Washington	DC	20006	703-414-4571
National Telecommunications of Florida, Inc.	111 Congress Ave., Suite 3000	Austin	TX	78701	954-491-9300
North Pittsburgh Systems, Inc. Penn Telecom, Inc.	4006 Gibsonia Rd.	Gibsonia	PA	15044	412-443-9500
The Valu-Line Companies, Inc. Valu-Line of Kansas, Inc.	1420 C of E Dr., P.O. Box 972	Emporia	KS	66801	316-343-7071

APPENDIX A: THIRD QUARTER 1998 QUESTIONNAIRE

Local Competition Reporting

Please complete separate surveys for ILEC and CLEC operations in the same state.

Check one of the following boxes:

ILEC

CLEC

Company

State

I. Voice Grade and Equivalent Lines 2/

Residential
Switched
(a)

Non-residential
Switched 5/
(b)

Special Access and
UNE Loops 5/
(c)

Total Voice Grade
Lines
[(a) + (b) + (c)]

I. Voice grade lines 1/ 2/ in service as of September 30, 1998.

A. Lines you used to provide service to end users, 3/ categorized by:

1. Lines you owned. 4/

2. Lines you leased. 4/

3. Total lines you provided to end users.
[Line 1 + Line 2]

B. Lines you provided to other communications carriers, 3/ categorized by:

4. Lines you owned 4/ that you provided under a UNE loop arrangement, as defined in 47 U.S.C. §251. 5/

5. Lines you owned 4/ that you provided under a (wholesale) Total Service Resale arrangement, as defined in 47 U.S.C. §251. 5/

6. Lines you owned 4/ that you provided under other resale arrangements, such as centrex provided at retail rates for resale. 5/

7. Lines that you leased 4/ that you in turn provided under UNE, Total Service Resale, or other resale arrangements.

8. Total lines that you provided to other communications carriers. [Line 4 + Line 5 + Line 6 + Line 7]

C. 9. Total voice grade lines provided to either end-users or to other communications carriers. [Line 3 + Line 8]

10. Contact Person: _____

Contact Telephone #: _____

OMB NO: 3060-0816

EXPIRATION DATE: 02/28/1999

Company

State

High Capacity Lines 2/
Report Counts of Physical Lines Provided

II. High capacity lines 1/ 2/ in service as of September 30, 1998.

xDSL (a)	Coaxial (b)	Optical Carrier (c)	T1/T3 and Other (d)
-------------	----------------	------------------------	------------------------

A. Lines you used to provide service to end users, 3/ categorized by:

- 11. Lines you owned. 4/
- 12. Lines you leased. 4/
- 13. Total lines you provided to end users.
[Line 11 + Line 12]

B. Lines you provided to other communications carriers, 3/ categorized by:

- 14. Lines you owned 4/ that you provided under a UNE loop arrangement, as defined in 47 U.S.C. §251. 5/
- 15. Lines you owned 4/ that you provided under a (wholesale) Total Service Resale arrangement, as defined in 47 U.S.C. §251. 5/
- 16. Lines you owned 4/ that you provided under other resale arrangements, such as centrex provided at retail rates for resale. 5/
- 17. Lines that you leased 4/ that you in turn provided under UNE, Total Service Resale, or other resale arrangements.
- 18. Total lines that you provided to other communications carriers. [Line 14 + Line 15 + Line 16 + Line 17]

- C. 19. Total high capacity lines provided to either end-users or other communications carriers.
[Line 13 + Line 18]

Company

State

High Capacity Lines 2/
Report Capacity Provided

III. High capacity lines 1/ 2/ in service as of September 30, 1998.

xDSL (1.544 mbps equivalents) (a)	Coaxial (1.544 mbps equivalents) (b)	Optical Carrier (51.84 mbps equivalents) (c)	T1/T3 and Other (1.544 mbps equivalents) (d)
--	---	---	---

A. Lines you used to provide service to end users, 3/ categorized by:

20. Lines you owned. 4/

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

21. Lines you leased. 4/

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

22. Total lines you provided to end users.

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

[Line 20 + Line 21]

B. Lines you provided to other communications carriers, 3/ categorized by:

23. Lines you owned 4/ that you provided under a UNE loop arrangement, as defined in 47 U.S.C. §251. 5/

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

24. Lines you owned 4/ that you provided under a (wholesale) Total Service Resale arrangement, as defined in 47 U.S.C. §251. 5/

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

25. Lines you owned 4/ that you provided under other resale arrangements, such as centrex provided at retail rates for resale. 5/

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

26. Lines that you leased 4/ that you in turn provided under UNE, Total Service Resale, or other resale arrangements.

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

27. Total lines that you provided to other communications carriers. [Line 23 + Line 24 + Line 25 + Line 26]

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

C. 28. Total high capacity lines provided to either end-users or other communications carriers.

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

[Line 22 + Line 27]

Company

State

Voice Grade and Equivalent Lines <u>2/</u>			
Residential Switched (a)	Non-residential Switched <u>5/</u> (b)	Special Access and UNE Loops <u>5/</u> (c)	Total Voice Grade Lines [(a) + (b) + (c)]

IV. Total voice grade lines 2/ that you owned 4/ that were in service to end users 3/ as of September 30, 1998 categorized by status of your switching center.

- 29. Lines in your switching centers where at least one competing communications carrier had an operational collocation arrangement for switched local exchange services.
- 30. Lines in your switching centers where no competing communications carrier had an operational collocation arrangement for switched local exchange services.
- 31. Total [Line 29 + Line 30] also equals [Line 1 + Line 4 + Line 5 + Line 6]

V. Total voice grade lines 2/ that you owned 4/ that were in service to end users 3/ as of September 30, 1998 categorized by technology based on the portion of the line that connected with the end-user's premise.

- 32. Fiber optic to the premises.
- 33. Fiber loop to the curb and copper twisted pair to the premises.
- 34. Satellite and wireless.
- 35. Coaxial.
- 36. Copper twisted pair and other
- 37. Total [Line 32 + Line 33 + Line 34 + Line 35 + Line 36] also equals [Line 1 + Line 4 + Line 5 + Line 6]

VI. Minutes of switched service handled over both voice grade and high capacity lines in the third calendar quarter of 1998:

Terminating (a)	Originating (b)	Total [(a) + (b)]
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

- 38. Total switched local, intrastate toll and interstate toll minutes originated or terminated with end users.
- 39. Total switched local minutes exchanged with competing local carriers in your service area. (Do not include minutes exchanged with wireless carriers.)
- 40. Total switched minutes exchanged with wireless carriers.

VI. Status of your owned 4/ switching centers 6/ as of September 30, 1998.

Total serving State
<input type="text"/>
<input type="text"/>
<input type="text"/>

- 41. Switching centers where at least one competing carrier had an operational collocation arrangement.
- 42. Switching centers where no competing carrier had an operational collocation arrangement.
- 43. Total number of your switching centers that served the state. [Line 41 + Line 42]

Purpose: Data from this survey will be used to describe competition in the local exchange market, specifically with respect to service provided to end users by local exchange carriers. In addition, the data will be used to identify how much of the competition is provided on a facilities vs. a resale basis. Carriers should file separate data for voice-grade and for higher capacity lines. For the voice-grade part of the market, carriers should file separate data for residential, non-residential and special access and UNE loop service.

1/ Include vs. exclude: Report in Section I and Section II all lines that connect directly to an end-user premises at one end and, at the other end, to a carrier switch or to a network that carries traffic to the public switched network. For example:

include: - UNE loops provided to other communications carriers even if those carriers were not using those lines to provide service to end users.
- fixed wireless service.
- xDSL lines that carried customer voice and data to internet protocol, ATM based, or circuit switched networks whence traffic reached the public switched network.
- dedicated lines that connected to a end user at one end, passed through your switch or switching center, and thence connected to another communication carrier's switch or network that carries traffic to the public switched network.

exclude: - lines provided to carriers that were used for interoffice trunking.
- private lines that connected one customer location directly to another.
- lines not in service even if the lines were on order.
- company official lines.
- mobile cellular & PCS telephone service.
- lines between your switching center and internet protocol, ATM or circuit switched networks, where you already are reporting the portion of the line between the end user and your switching center, even if you multiplexed those lines and provided higher capacity lines between your switching center and those networks.

2/ Voice grade vs. high capacity: Count as one voice grade equivalent line: traditional analog POTS lines, digital lines from 48 kbps through 96 kbps, Centrex-CO extensions, and Centrex-CU trunks. Count as two voice grade equivalent lines: BRI ISDN lines, fractional T-1 lines less than 1/4 circuit and digital circuits between 96 kbps and 380 kbps. Count a UNE loop as a single voice grade equivalent line unless it is specifically provided and equipped as a high capacity line. Classify as high capacity lines all lines equal to a 1/4 T-1 circuit or greater. Within high capacity, classify lines as: xDSL; coaxial; optical carrier; and, T-1/T-3 and Other. Include symmetric and asymmetric DSL services as xDSL lines. In completing Section II, report actual line counts. For example, in completing Section II, count a 1/4 T-1 circuit as one line. In completing Section III, report actual capacity provided. For example, in completing Section III, express xDSL lines in 1.544 mbps equivalents based on downstream capacity. Similarly, count optical carrier (SONET) lines as 51.84 mbps (OC-1) equivalents. Also, report other circuits, including coaxial, T-1/DS1, T-3/DS3, PRI ISDN lines, fractional T-1 lines, etc as 1.544 mbps equivalents. For example, count a T-3/DS3 line as 28 1.544 mbps equivalent lines. Count a PRI ISDN line as one 1.544 mbps equivalent line.

3/ End user vs. carrier: Separate service provided to end users from service provided to other communications carriers that they, in turn, use to provide service to others. Include as end user service in Section I-A and Section II-A lines billed or marketed by your agents. For example, include as end user all lines provided through traditional marketing agency arrangements, as well as lines furnished to shared tenant service providers.

4/ Own vs. lease. Only one filer should report that they own any specific line. Count as lines you own all lines that you actually owned as well as lines obtained from non-communications carriers and used as part of your own system. Count as lines you lease all lines that you obtained from another reporting communications carrier including lines obtained under UNE loop, Total Service Resale, or other resale or lease arrangements. For example, if you take a voice grade UNE loop and use it to provide switched access service to a residential customer, report that line in line 2, column (a).

- 5/ Residential vs. non-residential vs. special access and UNE loop: Classify business, government, education, shared tenant system, institutional and pay telephone lines as non-residential. Classify all lines provided under UNE loop arrangements in column (c). Count a UNE loop as in service if it has been provided to and is being billed to the competing carrier regardless of whether that carrier has the line in service. Classify lines provided for resale as residential vs. non-residential according to the tariff/price list under which the service is provided. If the tariff/price list does not distinguish residential vs. non-residential service, estimate a split based on the demographics of the area in which the lines are provided. Include local private lines connecting an end user with a carrier in column (c). For reporting voice grade lines, classify as special access all dedicated lines that connected to a end user at one end, passed through your switch or switching center, and thence connected to another communication carrier's switch or network even if these were provided under private line, rather than special access tariffs. Report higher capacity dedicated access lines in Section II by technology without any separate breakout for switched vs. special access lines.
- 6/ A switching center is a location containing one or more switches. Do not count separate three-digit telephone prefixes as separate switching centers. Count a remote as a separate switching center if a competing carrier could obtain a UNE loop **only** at the remote switch rather than at the host switch. Note: this definition of switching center is different from wire center based definitions of switching center which include all remote switch locations as switching centers.

Space for comments or explanatory notes
Line comment

Approved by OMB
3060-0816
Expires 02/28/1999
Est. Avg. Burden Per Response: 20 Hours

Notice to Individuals: The Telecommunications Act of 1996 (1996 Act), Pub. Law No. 104-104, 110 Stat 56, codified 47 U.S.C. §§ 151 *et seq.*, imposes obligations and responsibilities on telecommunications carriers, particularly incumbent local exchange carriers (LECs), that are primarily designed to open telecommunications markets to competitive entry, to promote universal service, and to lessen the need for government regulation of telecommunications. Pursuant to these overall goals, the statute directed the Commission to adopt regulations to implement specific statutory requirements, including regulations governing the provision of interconnection of incumbent LEC facilities with new local exchange service competitors, and the competitive entry of Bell Operating Companies (BOCs) into previously prohibited interexchange and other services markets. As part of its responsibilities toward achieving the intent of the statute, the Commission must have adequate data at hand to evaluate the success of these efforts. The Commission is asking certain carriers to complete the attached data request. Your response is voluntary.

The data request is necessary to assist the Commission to evaluate the status of developing competition in local exchange telecommunications markets. This information will be used by Commission economists and carrier analysts to advise the Commission about the efficacy of Commission rules and policies adopted to implement the Telecommunications Act of 1996.

An agency may not conduct or sponsor and a person is not required to respond to a collection of information unless it displays a currently valid control number. The control number assigned to this collection is 3060-0816.

Public reporting burden for this collection of information is estimated to average 20 hours per response, per state in which the respondent is an incumbent local exchange carrier or a competitive local exchange carrier (but in no case more than fifteen separate responses), including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to the Federal Communications Commission, Performance Evaluation and Records Management, Washington, D.C. 20554. Do not send data responses to this address.

APPENDIX B: CONTACTING THE REPORT AUTHORS

Local Competition was prepared by the Industry Analysis Division, Common Carrier Bureau, Federal Communications Commission, under the direction of Peyton L. Wynns, Chief. 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.

Executive Summary	Ellen Burton or Peyton Wynns
I. Introduction and Overview	Ellen Burton or Peyton Wynns
II. New Entrant Share of the Nationwide Market	Jim Lande
III. New Entrant Use of Incumbent Services and Facilities: Nationwide, and by State	Ellen Burton
IV. New Entrants in the Switched Market: Nationwide, by State, and by LATA	Jim Zolnierек
V. New Entrant Locator Information	Katie Rangos
Appendix A: Third Quarter 1998 Questionnaire . .	Ellen Burton, Jim Zolnierек, or Jim Lande

The electronic mail addresses are:

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Jim Zolnierек	jzolnier@fcc.gov