

TELECOMMUNICATIONS INDUSTRY REVENUES 2000

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Telecommunications Industry Revenues

This report provides an overview of U.S. telecommunications industry revenues and contributions to the universal service support mechanisms. Most of the data for 2000 are taken from April 1, 2001 filings of **annual** Telecommunications Reporting Worksheets (FCC Form 499-A). Revenue data collected on these worksheets are utilized in the Commission's administration of the universal service fund (USF), Telecommunications Relay Service (TRS), North American Numbering Plan (NANP) and local number portability (LNP) programs. Form 499-A data are also used to calculate common carrier regulatory fees. Data presented for 2001 are taken from May 1, August 1, and November 1, 2001 filings of **quarterly** Telecommunications Reporting Worksheets (FCC Form 499-Q).

For 2000, the industry reported \$293 billion in telecommunications service revenues — an increase of 9% over 1999's \$269 billion. Other notable statistics include:

- Revenues for wireless industry grew more than 28% during 2000, from \$48 billion to \$62 billion.
- Revenues for competitive local telephone companies increased to \$10.9 billion, up 68% over 1999, and accounted for about 9% of the \$121 billion of local service revenues.
- Total toll service revenues increased only slightly during 2000 — from \$108.2 billion to \$109.6 billion. This small change reflects a \$3.2 billion decrease in switched toll revenues and a \$3 billion increase in revenues from long distance private line service..

FCC Form 499-A Filing Requirement

Virtually all providers of telecommunications must file FCC Form 499-A each year.¹ Telecommunications Reporting Worksheets are not filed directly with the FCC but rather with the Universal Service Administrative Company (USAC), which serves as the data collection agent. The annual worksheets were due April 1, 2001, but some providers filed late or updated their filing after that date. Information from filings received after October 1, 2001 and from filings that were incomplete has been excluded from year 2000 data.

¹ There are certain exceptions. Providers that offer telecommunications for a fee exclusively on a non-common carrier basis are not required to file if their total annual contribution to universal service would be less than \$10,000. Government entities that purchase telecommunications services in bulk on their own behalf, public safety and local government entities licensed under Subpart B of Part 90 of the Commission's rules, entities providing interstate telecommunications exclusively to government or public safety entities, broadcasters and various non-profit entities are not required to file. Finally, systems integrators that derive less than 5% of their systems integration revenues from the resale of telecommunications and entities that provide services only to themselves or to commonly owned affiliates need not file.

FCC Form 499-A asks each filer to report total, interstate and international revenues in two broad categories: those billed to Universal Service contributors for resale (carrier's carrier revenues); and, those billed to *de minimis* telecommunications providers and end users (end-user revenues).² Filers must provide further breakdowns of local, wireless, and toll services. The form also asks each filer to choose the communications business that best describes its operations:³

- Competitive Access Provider (CAP) or Competitive Local Exchange Carrier (CLEC)
- Cellular, Personal Communications Service (PCS) and Specialized Mobile Radio (SMR) Wireless Telephony Service Provider
- Incumbent Local Exchange Carrier (ILEC)
- Interexchange Carrier (IXC)
- Local Reseller
- Operator Service Provider (OSP)
- Other Local Service Provider
- Other Mobile Service Provider
- Other Toll Service Provider
- Paging and Messaging Service Provider
- Payphone Provider
- Private Service Provider
- Prepaid Calling Card Provider
- Satellite Service Provider
- Shared-Tenant Service Provider
- Specialized Mobile Radio - Dispatch
- Toll Reseller
- Wireless Data Service Provider

Filers are instructed to report amounts actually billed to customers. This means that filers should report revenues net of discounts, but without making adjustments to reflect uncollectible revenues or international settlement payments or receipts. Most filers should be able to report revenues in this manner using information contained in their corporate books of account. Some service providers, however, have no business or regulatory requirements to record intrastate or international revenues separately from interstate revenues, or to use the detailed revenue categories contained in the worksheets. Many wireless providers therefore use the interim safe harbor percentages to estimate the interstate portion of their revenues.⁴

² Telecommunications providers are considered *de minimis* and thus are not required to contribute to universal service (or file Form 499-Q) if their annual contributions to universal service would be less than \$10,000. For universal service purposes, any underlying service providers treat *de minimis* firms as end users.

³ The detailed definitions of the filer categories are contained in section III.A of the *Instructions to the Telecommunications Reporting Worksheet, FCC Form 499-A* available at www.fcc.gov/Forms/Form499-A/499a.pdf.

⁴ See the *Instructions to the Telecommunications Reporting Worksheet, FCC Form 499-A* section III.C.3. available at www.fcc.gov/Forms/Form499-A/499a.pdf

Form 499-A filings sometimes contain mistakes. Initial examination of the data occasionally reveals carrier types, revenue amounts and/or revenues reported in service categories inconsistent with the known operations of the filer. Some corrections have been made based on supplemental filer information. Nonetheless, disaggregated data are likely to be less accurate than industry totals.

Statistical Tables

Table 1 shows the major components of telecommunications revenues for 2000. This table was created by simply aggregating the revenues in the major classifications designated on Form 499-A.

Tables 2 and 3 provide a look at annual industry revenues over time. Generally, Form 499-A revenue data can be tabulated in two distinct ways: by type of service provided and by type of business. **Table 2** categorizes revenues by type of service and shows, for example, that carriers reported \$62.0 billion in wireless service revenues for 2000. This total includes wireless service revenues from some carriers that are not identified as wireless carriers. In contrast, **Table 3** shows that wireless service providers reported total revenues of \$63.3 billion, including some revenues for fixed local and toll services.

Revenue data shown for 1992 through 1996 were derived from information filed on TRS worksheets. Revenue data for 1997 and 1998 were derived by combining TRS worksheet and Universal Service worksheet data. 1999 revenue data come from Form 499-A, which replaced both the TRS and Universal Service worksheets. Because of reporting changes, data for 1997 through 2000 are not entirely consistent with data for prior years. For example, *special access* revenues were included with *other access* revenues prior to 1997 but have been included with *local private line services* since then. Similarly, through 1996, filers reported as *other local and mobile* revenues substantial amounts of customer premises equipment, billing and collection, and other types of revenues that are excluded from contributions to universal service. These revenues are now reported as *non-telecommunications* revenues. Both tables contain estimates of non-telecommunications revenues that had been reported in prior years. Based on staff estimates, the 1996 telecommunications revenues reported on TRS Worksheets would have been \$10.5 billion lower if revenues had been reported using current instructions.

Some inconsistencies exist in the 1997 - 2000 period. For example, filers were required in 1997 to include inside wiring maintenance revenues as part of local exchange revenues. In 1998, filers were instructed to report these revenues as non-telecommunications service revenues. The local exchange service revenue data in Table 2 would show a greater increase from 1997 to 1998 if the same reporting instructions had been used for each year.

Note also that each year, many filers erroneously report substantial amounts of *switched toll* revenues as *other long distance* revenues. The data are examined and some revenues are reclassified based on staff research. Even so, the *other long distance* category of Table 2 probably continues to contain some *switched toll* revenues, perhaps significant amounts in some years.

Table 4 illustrates how data from the Form 499-A are used to develop funding bases for the universal service fund (USF), North American Numbering Plan (NANP), Local Number Portability (LNP), and Telecommunications Relay Service (TRS) contribution mechanisms. Each of the four programs is supported by a slightly different group of telecommunications providers under slightly different rules. As noted above, providers are considered *de minimis* for USF purposes if their annual contribution is expected to be less than \$10,000. While such providers are thus not required to file Form 499-Q, *de minimis* status does not exempt service providers from filing Form 499-A because contributions to TRS, NANP and LNP are required regardless of the expected annual amount. Note also that NANP, LNP, and TRS each draw contributions from a larger pool of providers than does universal service. Specifically, all telecommunications carriers in the United States must contribute to meet the costs of NANP (47 C.F.R. §52.17), and all telecommunications carriers that provide service in areas covered by the regional LNP database must contribute to meet the costs of LNP (47 C.F.R. §52.32). Thus, only those providers that are not carriers are not required to contribute. Cost recovery for TRS is slightly different. Every carrier providing interstate services must contribute to the TRS Fund (47 C.F.R. §64.604(c)(5)(iii)(A)). In this case, providers that are not carriers, and carriers that do not provide interstate services are not required to contribute. See Figure 3 of the *Instructions to the Telecommunications Reporting Worksheet, FCC Form 499-A*, which can be found on the FCC's web site at www.fcc.gov/Forms/Form499-A/499a.pdf.

Revenue data for individual filers are not available to the public. However, Tables 5 through 8 present detailed industry roll-ups by type of revenue and type of filer. **Table 5** provides a detailed breakout of revenues for each of the Form 499-A revenue categories used to report services provided to other filers for resale. **Table 6** displays similar detail for each of the revenue categories used to report telecommunications service provided to end users. **Table 7** combines data from Tables 5 and 6 with data on non-telecommunications revenues to develop total industry revenues. **Table 8** provides more aggregated revenue information by type of filers. The revenue categories presented in Tables 5 through 7 are explained in the Form 499-A filing instructions.

Table 9 presents an estimate of average revenue per conversation minute. Based on the methodology in Table 9, FCC staff estimated that end users were billed an average of 12 cents for each minute of interstate and international toll calling made during 2000. The average price for each interstate domestic conversation minute was estimated at 9 cents. These estimates and year-over-year changes in these estimates should be treated with great caution for a number of reasons. For instance, terminating access minutes are used as a proxy for billed conversation minutes. In certain cases, the two measures track each other closely. Subscriber toll-free calls that terminate on dedicated access lines and some other classes of calls generate access minutes that are billed as terminating minutes only. Some calls, however, generate originating access minutes only or bypass ILEC switched facilities on both ends and therefore generate no access minutes. Some subscriber toll-free calls, on the other hand, do not terminate on dedicated access lines and therefore may generate two terminating access minutes per conversation minute. Further still, some providers of Internet Protocol (IP) telephony are able to terminate calls on ILEC networks without paying traditional interstate access charges. Given available data, little can be done to counteract these shortfalls.

The methodology presented in Table 9 mitigates some problems associated with using terminating access minutes as a proxy for conversation minutes. For example, some conversation minutes do not result in ILEC access minutes because they terminate on the facilities of competitive local exchange carriers. These carriers do not report access minutes. Table 9 presents conservative estimates of these minutes based on competing local exchange carrier shares of local service revenues. These amounts are used to adjust terminating access minutes.

Moreover, the methodology presented in Table 9 adjusts terminating access minute totals to better reflect international traffic. International settlement minutes are reported based on the billing status of calls rather than where the calls actually originate. Thus, some U.S. billed calls actually originate in foreign points and vice versa. However, most U.S. billed calls originate in the United States and generate originating but not terminating access minutes. So that terminating access minutes better represent conversation minutes, these minutes are added to the reported totals for terminating access minutes. Similarly, foreign billed minutes, which usually generate terminating access, are removed from the terminating access minute total.

One category of U.S. billed calls merits special treatment. *Country-direct* and *country-beyond* calls are placed from foreign points, directly with U.S. carriers. Country-direct calls generally originate overseas and terminate in the United States. Such calls are billed by U.S. carriers, generate settlement payments to foreign carriers, and are reported in Section 43.61 traffic data reports as U.S. billed calls. Country-beyond calls are similar, but both originate and terminate at foreign points. Country-direct calls result in terminating access minutes. Country-beyond calls generally don't. Unfortunately, Section 43.61 data do not separate country-direct from country-beyond calls. This is not a problem for allocating originating access minutes between interstate and international calls, since neither type of call results in appreciable originating access minutes. In estimating interstate terminating access minutes, however, we chose to subtract country-direct and country-beyond minutes. This means that the number of total interstate terminating minutes, which is used to represent interstate conversation minutes, is biased downward. We did not include country-direct or country-beyond minutes with international conversation minutes because country-beyond revenues are reported separately as *international-to-international service* revenues on Form 499-A and are therefore subtracted when calculating international revenue per minute. Country-direct revenues, however, remain in the revenue base but the corresponding minutes have been removed from the estimate of international conversation minutes. This bias may be offset by the fact that many international-to-international calls generate U.S. billed settlement minutes and are counted as conversation minutes.

End-user switched toll revenue data also are problematic. Through 1996, the figures shown are based on TRS gross revenue data. In order to translate reported gross revenues to end-user revenues, 80% of revenues reported by toll resellers were netted from the total. A second problem is that in some years, filers classified substantial amounts of switched service revenues as (non-switched) *other toll*. While significant effort has been devoted to identifying and reclassifying these amounts, the *other toll* category shows a \$1.3 billion drop from 1997 to 1998, which suggests that the 1997 figure may still contain significant amounts of misreported switched service revenues.

Starting in 1998, many toll carriers used fixed monthly charges to recover account maintenance, ILEC presubscribed interexchange carrier charges (PICCs) and both federal and state universal service contributions. Some toll carriers reported some of these surcharges as local service tariffed PICC charges. An attempt was made to identify these amounts and include them with switched toll revenues. Some filers bill customers percentage surcharges to recover universal service contributions. While filers must separately identify the universal service surcharges on their universal service worksheets, it is not possible to identify a precise amount that is attributable to interstate toll service. The Table 9 adjustments to reflect both PICC and universal service costs and end-user charges should be taken as approximate.

Table 9 also shows a number of assumptions that were made in order to separate international revenue data from interstate revenue data. Filers did not separately report end-user revenues for international services for years before 1999. For 1999 and 2000, it appears that many Form 499-A filings understate international revenues and overstate interstate revenues. This could happen if, for example, a filer split revenues between interstate and international service based on a ratio of interstate to international minutes, rather than on actual billings. This would not reduce contribution requirements for the filer but does make the breakout shown in Table 9 somewhat suspect. Based on staff analysis of the Form 499-A data, a simple methodology is used to convert Section 43.61 international traffic revenue data into estimates of international end-user revenues for message telephone service. The same methodology is used in all years.

While the FCC does collect detailed international traffic data, there is no clean match between categories of minutes actually reported and the international service end-user revenue data presented in Table 9. The amounts of international-to-international revenues are estimated for 1996 and earlier. Also, an increasing amount of international traffic is being carried on resold private lines and via other new arrangements. It seems likely that much of this traffic is not being properly reported in traffic data reports. For these reasons, the breakout between interstate revenues per-minute and international revenues per-minute is likely to be significantly less accurate than the combined estimate.

Table 10 presents information on access and universal service costs as a component of toll pricing. The table uses the data on minutes developed in Table 9 and therefore has the attendant uncertainties. The analysis also uses international settlement payment data which, while relatively good, include settlements associated with international-to-international traffic. The analysis does not account for special access payments from toll carriers to local exchange carriers. In some cases, toll carriers recover the cost of these services through charges that are reported as switched toll revenues and are therefore reflected in per-minute revenue estimates.

FCC Form 499-A asks filers to identify the share of their carrier's carrier and end-user telecommunications revenues attributable to different regions of the country. **Table 11** shows total end-user telecommunications revenues by region for local, toll and wireless filers.

Tables 12 through 14 present data from quarterly filings of FCC Form 499-Q for the first three quarters of 2001. Each of these tables displays one quarter of data in a manner analogous to Table 8. FCC Form 499-Q is far less detailed than Form 499-A. Since Form 499-Q filings do not include a business type, filers were categorized based on the business type selected on their Form 499-A filings. The quarterly form asks filers to identify revenues as carrier's carrier, contribution base end-user, or non-telecommunications and to indicate the interstate and international shares of each category. Unlike Form 499-A, the quarterly form does not require filers to attach revenues to the provision of specific types of services. Also, international-to-international revenues are included with non-telecommunications revenues rather than with end-user revenues. For presentation purposes, individual filer revenues were allocated between fixed local, mobile, and toll using the more detailed information collected on the 2000 Form 499-A.

The universal service, Telecommunications Relay Service, North American Numbering Plan Administration and local number portability rules prohibit the fund administrators from releasing company-specific information contained in Form 499-A and Form 499-Q worksheets. Revenue data for individual filers are not available to the public.

Table 1
Total Telecommunications Industry Revenues: 2000
(Dollar Amounts Shown in Millions)

	Carrier's Carrier Revenues 2/	End-User Revenues 1/ 2/	Total
Local Service 3/ Wireless Service Toll Service	\$36,621 5,144 21,849	\$84,526 56,857 87,767	\$121,147 62,000 109,615
Total	63,613	229,149	292,762
Service Revenues Reported as:			
Intrastate	25,553	147,465	173,018
Interstate and International 4/	38,060	81,685	119,745
Total	\$63,613	\$229,149	\$292,762

Note: Detail may not add to totals due to rounding.

- 1/ Data include revenues for *de minimis* filers as well as for other filers who are exempt from universal service contribution requirements.
- 2/ Carrier's carrier revenues are reported on FCC Form 499-A as sales to other universal service contributors for resale. This includes, for example, access services that local exchange carriers provide to toll carriers. Sales to *de minimis* resellers, end-user customers, governments, non-profits and any other non-contributors are treated as end-user revenues. Filers contribute to the universal service funding mechanisms based on their end-user revenues.
- 3/ Payphone revenues are included with local service revenues in this table. Tables 5 through 8 show detail for payphone providers and payphone services.
- 4/ Revenues from calls that both originate and terminate in foreign points are reported as end-user revenues, but are not included in the universal service contribution base. Tables 5 through 8 show breakouts between interstate and international revenues based on Form 499-A filings. Section 43.61 international traffic data reports appear to provide more reliable data for international revenues but do not provide the type of breakouts found herein.

Source: FCC Form 499-A filings.

Table 2
Telecommunications Industry Revenues by Service
(Dollar Amounts Shown in Millions)

	TRS Data					Universal Service & TRS Data		Form 499-A Data	
	1992	1993	1994	1995	1996	1997	1998	1999	2000
Local Exchange	\$39,235	\$40,176	\$42,245	\$45,194	\$48,717	\$53,771	\$59,245	\$62,840	\$67,747
Pay Telephone 1/						2,182	2,536	2,218	1,932
Local Private Line 2/	1,049	1,088	1,138	1,226	1,616	8,282	10,403	12,914	16,864
Other Local 3/	7,687	8,002	8,302	10,428	10,543	2,847	2,179	4,601	5,449
Subscriber Line Charges 2/						8,327	11,052	10,826	11,563
Access 2/	29,353	30,832	32,759	33,911	35,641	21,423	18,449	18,105	17,017
Universal Service Surcharges on Local Service Bills 4/							103	260	575
Additional Revenues from TRS Worksheets						595	595		
Total Local Service	77,324	80,098	84,443	90,759	96,516	97,426	104,563	111,764	121,147
Wireless Service	7,285	10,237	14,293	18,759	26,049	32,760	36,240	48,117	61,505
Universal Service Surcharges on Wireless Service Bills 4/							345	379	495
Additional Revenues from TRS Worksheets						189	189		
Total Wireless Service	7,285	10,237	14,293	18,759	26,049	32,950	36,775	48,495	62,000
Operator 1/	9,465	10,772	10,539	11,170	10,975	12,002	12,205	10,049	11,406
Non-Operator Switched Toll	54,448	60,591	61,468	65,217	73,751	72,059	74,168	78,389	75,183
Long Distance Private Line	7,783	8,067	9,043	9,719	10,665	10,504	11,952	13,169	16,189
Other Long Distance	4,048	3,095	3,428	3,523	4,299	4,695	3,386	3,656	3,372
Universal Service Surcharges on Toll Service Bills 4/							1,810	2,983	3,467
Additional Revenues from TRS Worksheets						1,532	1,532		
Total Toll Service	75,744	82,525	84,478	89,629	99,691	100,793	105,055	108,246	109,615
Non-Telecommunications Formerly Reported as Other Local and Wireless 3/	(6,944)	(7,518)	(8,324)	(9,071)	(10,474)				
Total Telecommunications 3/	153,409	165,342	174,890	190,076	211,782	231,168	246,392	268,505	292,762
Non-Telecommunications 3/	6,944	7,518	8,324	9,071	10,474	25,633	27,944	33,144	42,261
Total Reported Revenues	160,353	172,860	183,214	199,147	222,256	256,801	272,019	301,648	335,023
Service Reported as:									
Intrastate 3/	82,379	89,409	94,278	103,852	117,375	133,654	142,108	157,212	173,018
Interstate and International	71,030	75,933	80,611	86,224	94,407	97,514	104,284	111,293	119,745
Total Telecommunications 3/	\$153,409	\$165,342	\$174,890	\$190,076	\$211,782	\$231,168	\$246,392	\$268,505	\$292,762

See notes on next page.

Notes for Table 2.

Note: Detail may not add to totals due to rounding.

- 1/ TRS filers generally reported pay telephone revenues as local service revenues, access revenues or operator toll revenues. The Universal Service and Form 499-A worksheets contain a separate category for payphone coin revenues. Starting in 1997, payphone revenues include payphone compensation received from toll carriers.
- 2/ TRS Worksheet filers generally reported special access revenues as access revenues. Reporting changes implemented with the Universal Service Worksheet explain the increase in local private line revenues and the fall in access revenues shown for 1997. TRS Worksheet filers included subscriber line charges with other access charges. Universal Service Worksheet filers report subscriber line charges in a separate category. The increase from 1997 to 1998 represents PICC charges levied by ILECs as well as \$1.2 billion of PICC pass-through charges levied by toll carriers.
- 3/ Significant amounts of enhanced services, billing and collection, CPE and other non-telecommunications revenues were reported in the TRS mobile and other local service categories through 1996. Universal Service Worksheet filers report these revenues in the non-telecommunications category. For prior years, the amounts of non-telecommunications revenues reported as mobile and other local revenues were estimated as 70% of the amounts that Tier 1 ILECs reported in ARMIS as miscellaneous and nonregulated revenues (currently account 5200 + account 5280) and 10% of amounts reported as mobile service revenue.
- 4/ Charges on end-user bills identified as recovering state or federal universal service contributions are reported separately from local, wireless and toll revenues. Reported amounts are apportioned between local, wireless and toll service based on the proportions of local, wireless and toll intrastate and interstate revenues by type of carrier.

Source: Data for 1992 through 1996 summarized from FCC Form 431 TRS Worksheets. Data for 1997 and 1998 primarily based on FCC Form 457 Universal Service Worksheets, with data from 1997 TRS Worksheets used for service providers not required to file a Universal Service Worksheet. Starting in 1999, data summarized from FCC Form 499-A Telecommunications Reporting Worksheets, which replaced both FCC Form 431 and FCC Form 457.

Table 3
Telecommunications Revenues Reported by Type of Carrier
(Dollar Amounts Shown in Millions)

Service Provider Category 1/	TRS Worksheet Data					Universal Service & TRS Data		Form 499-A Data	
	1992	1993	1994	1995	1996	1997	1998	1999	2000
Incumbent Local Exchange Carriers 2/	\$91,584	\$95,228	\$98,431	\$102,820	\$107,905	\$105,154	\$108,234	\$112,216	\$116,158
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	69	191	281	623	1,011	1,919	3,348	5,652	9,814
Local Resellers						206	410	511	879
Other Local Exchange Carriers						157	36	171	11
Private Carriers						112	147	87	39
Shared-Tenant Service Providers						87	93	87	202
Competitors of ILECs	69	191	281	623	1,011	2,481	4,034	6,508	10,945
Fixed Local Service Providers	91,835	95,595	99,011	103,792	109,273	107,634	112,268	118,725	127,103
Payphone Providers	183	175	300	349	357	933	1,101	1,213	972
Wireless Telephony Including Cellular, Personal Communications Service (PCS) and SMR Telephony Carriers 2/	6,718	9,215	13,259	17,208	23,778	29,944	33,139	46,513	59,823
Paging & Messaging Service 2/						2,861	3,161	3,232	3,102
Specialized Mobile Radio (SMR) Dispatch								186	191
Wireless Data Service Providers								63	36
Other Mobile Service Providers	670	964	938	1,419	2,121	225	731	159	128
Wireless Service Providers	7,387	10,179	14,197	18,627	25,900	33,030	37,032	50,152	63,280
Interexchange Carriers (IXCs)	57,341	61,118	66,381	70,938	79,057	79,080	83,443	87,570	87,311
Operator Service Providers (OSPs)	558	695	536	500	461	603	590	337	635
Prepaid Calling Card Providers				16	238	519	888	866	727
Satellite Service Providers						1,011	475	280	336
Toll Resellers	1,293	1,869	2,840	4,220	6,564	8,010	9,885	9,211	10,641
Other Toll Carriers	2,186	711	709	773	577	348	710	150	1,758
Toll Service Providers	61,378	64,393	70,466	76,447	86,896	89,570	95,992	98,414	101,407
Non-Telecommunications Revenues in Prior Year Data 2/	(6,944)	(7,518)	(8,324)	(9,071)	(10,474)				
Other Adjustments 3/	(248)	2,693	(461)	280	187	0	0	0	0
Total Telecommunications Revenues	\$153,409	\$165,342	\$174,890	\$190,076	\$211,782	\$231,168	\$246,392	\$268,505	\$292,762

1/ Filers are asked to select for themselves a service provider category that best describes their operations. The choices have varied over the years. For example, most satellite service providers identified themselves as other toll carriers in their 1997 Form 4 TRS worksheets because there was no separate category for satellite service providers.

2/ Significant amounts of enhanced service, billing and collection, CPE and other non-telecommunications revenues were reported on TRS worksheets by incumbent local exchange carriers (ILECs) and wireless carriers through 1996. Universal Service Worksheet filers report these revenues in the non-telecommunications category. For prior years, the amounts of non-telecommunications revenues reported as mobile and other local revenues were estimated as 70% of the amounts that Tier 1 ILECs reported in their TRS worksheets as miscellaneous and nonregulated revenues (currently account 5200 + account 5280) and 10% of amounts reported as mobile revenues.

3/ Other adjustments include some amounts withheld to preserve confidentiality and revisions made after the initial public release of the data.

Source: Data compiled from FCC Form 431, FCC Form 457 and FCC Form 499-A filings.

Table 4
Contribution Base Revenues By Program 1/: 2000
(Dollar Amounts Shown in Millions)

	2000
Revenues subject to universal service contribution	
Interstate and international end-user revenues	\$81,685
less revenue for international - to - international service	1,087
less international revenues excluded where interstate toll represents less than 8% combined interstate and international revenues	1,011
less interstate and international revenues for 2,570 filers who are <i>de minimis</i> or otherwise exempt from universal service support requirements	<u>609</u>
equals	78,977
Revenues subject to TRS contribution	
Interstate and international end-user revenues	81,685
less interstate and international revenues for 257 filers who claim to be exempt from interstate telecommunications relay service (TRS) contribution requirements	86
less interstate and international revenues for services provided for resale but reported as end user because it was provided to carriers that do not contribute to universal service support mechanisms	279
equals	81,320
Revenues subject to NANPA contribution	
Total telecommunications service end-user revenues (including intrastate, interstate and international)	229,148
less telecommunications revenues for 555 filers who claim to be exempt from North American Numbering Plan Administration (NANPA) contribution requirements	130
less telecommunications revenues for services provided for resale but reported as end user because it was provided to carriers that do not contribute to universal service support mechanisms	<u>305</u>
equals	228,713
Revenues subject to LNP contribution	
Total telecommunications service end-user revenues (including intrastate, interstate and international)	229,148
less telecommunications revenues for 552 filers who claim to be exempt from local number portability administration (LNP) contribution requirements	172
less telecommunications revenues for services provided for resale but reported as end user because it was provided to carriers that do not contribute to universal service support mechanisms	<u>305</u>
equals	\$228,671

1/ This table shows how contribution bases differ for different programs and provides relative magnitudes, but does not provide the actual amounts used for determining contribution amounts. Amounts shown represent the amounts contained in the Form 499-A database at a point in time. The universal service administrator continues to receive additional and corrected filings. Exempt amounts were based on the filer certification statement contained in the Form 499-A filings. The fund administrators use carrier type, revenue type and additional information requested from filers to review exemption claims (and in some instances, failure to make claims.) The universal service fund administrator bills delinquent filers based on estimated revenues and therefore can include estimated revenue amounts in contribution base amounts. As a result of these factors, actual contribution bases have been based on slightly different amounts than those shown. Note also that universal service contribution factors are set quarterly based on Form 499-Q filings. Form 499-A data are used for true-up and auditing purposes. Also note that local number portability contribution amounts are determined by region of the country rather than on a nationwide basis.

Table 5
Revenues from Telecommunications Service Provided for Resale 1/: 2000
(Dollar Amounts Shown in Millions)

Data from FCC Form 499-A Line	Regional Bell Operating Company Incumbent Local Exchange Carriers				Other Incumbent Local Exchange Carriers			
	Intrastate	Interstate	International	Total	Intrastate	Interstate	International	Total
<i>Fixed local service</i>								
303 Monthly service, local calling, connection charges, vertical features, and other local exchange service including subscriber line and PICC charges to IXCs								
a Provided as unbundled network elements	\$1,191	\$4		\$1,195	\$32	\$8	\$1	\$40
b Provided under other arrangements	<u>1,986</u>	<u>1,439</u>	—	<u>3,425</u>	<u>154</u>	<u>155</u>	—*	<u>308</u>
Total line 303	3,177	1,443		4,620	185	163	1	349
304 Per-minute charges for originating or terminating calls								
a Provided under state or federal access tariff	3,690	3,416		7,106	2,518	1,788	6	4,313
b Provided as unbundled network elements or other contract arrangement	<u>1,707</u>	<u>2,328</u>	—	<u>4,034</u>	<u>89</u>	<u>88</u>	—*	<u>177</u>
Total line 304	5,396	5,744		11,140	2,607	1,876	7	4,490
305 Local private line & special access	543	6,894		7,437	204	598	*	802
306 Payphone compensation from toll carriers	141	115		256	9	19	*	28
307 Other local telecommunications service revenues	830	184		1,014	48	12	*	60
308 Universal service support revenue received from federal or state sources	265	621		887	456	990	*	1,446
Total fixed local service provided for resale	10,352	15,001		25,352	3,510	3,657	8	7,175
<i>Mobile service (including wireless telephony, paging & messaging, and other mobile services)</i>								
309 Monthly, activation, and message charges except toll	*			*	2	*		3
Total mobile service provided for resale	*			*	2	*		3
<i>Toll service</i>								
310 Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.)	*			*	1	*	*	1
311 Ordinary long distance (MTS, customer toll-free 800/888/877/866 service, "10-10 calls", associated monthly account maintenance, PICC pass-through, and other switched services not reported above)	65	1		66	12	4	*	16
312 Long distance private line services	24			24	7	2		10
313 Satellite services								
314 All other long distance services	15	3		18	22	2	*	23
Total toll service provided for resale	103	4		107	42	8	*	50
Total service provided for resale (carrier's carrier)	\$10,455	\$15,004		\$25,459	\$3,554	\$3,665	\$8	\$7,227

Note: Amounts may not add to totals due to rounding.

* Denotes values greater than \$0 but less than \$500,000.

1/ Includes service provided to other contributors to federal universal service support mechanisms. Excludes service provided to firms that are *de minimis* or otherwise exempt from federal universal service support mechanisms.

Table 5
Revenues from Telecommunications Service Provided for Resale 1/: 2000
Continued
(Dollar Amounts Shown in Millions)

Data from FCC Form 499-A Line	CLECS and Other Fixed Local Competitors				Payphone Providers			
	Intrastate	Interstate	International	Total	Intrastate	Interstate	International	Total
<i>Fixed local service</i>								
303 Monthly service, local calling, connection charges, vertical features, and other local exchange service including subscriber line and PICC charges to IXCs								
a Provided as unbundled network elements	\$40	\$7	*	\$47				
b Provided under other arrangements	353	183	*	535	—	—	—	—
Total line 303	392	189	*	582				
304 Per-minute charges for originating or terminating calls								
a Provided under state or federal access tariff	461	345	7	813	*	*	*	*
b Provided as unbundled network elements or other contract arrangement	331	24	1	356	*	*	—	*
Total line 304	792	369	8	1,169	*	*	*	*
305 Local private line & special access	802	486	*	1,289	3	*	*	3
306 Payphone compensation from toll carriers	8	8		16	153	103	2	258
307 Other local telecommunications service revenues	35	75		110	10	3	1	13
308 Universal service support revenue received from federal or state sources	2	3	*	5	1	*	*	2
Total fixed local service provided for resale	2,031	1,131	9	3,170	167	106	2	276
<i>Mobile service (including wireless telephony, paging & messaging, and other mobile services)</i>								
309 Monthly, activation, and message charges except toll	1			1				
Total mobile service provided for resale	1			1				
<i>Toll service</i>								
310 Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.)	1	1	*	2	1	*	*	1
311 Ordinary long distance (MTS, customer toll-free 800/888/877/866 service, "10-10 calls", associated monthly account maintenance, PICC pass-through, and other switched services not reported above)	46	53	51	151	1	*		1
312 Long distance private line services	72	414	65	551				
313 Satellite services								
314 All other long distance services	18	21	*	39	*	*	*	*
Total toll service provided for resale	137	489	116	743	2	*	*	2
Total service provided for resale (carrier's carrier)	\$2,169	\$1,620	\$125	\$3,913	\$169	\$107	\$2	\$278

Note: Amounts may not add to totals due to rounding.

* Denotes values greater than \$0 but less than \$500,000.

1/ Includes service provided to other contributors to federal universal service support mechanisms. Excludes service provided to firms that are *de minimis* or otherwise exempt from federal universal service support mechanisms.

Table 5
Revenues from Telecommunications Service Provided for Resale 1/: 2000
Continued
(Dollar Amounts Shown in Millions)

Data from FCC Form 499-A Line	Cellular, PCS and SMR Wireless Telephony				Other Wireless			
	Intrastate	Interstate	International	Total	Intrastate	Interstate	International	Total
<i>Fixed local service</i>								
303 Monthly service, local calling, connection charges, vertical features, and other local exchange service including subscriber line and PICC charges to IXC's								
a Provided as unbundled network elements	\$8	\$1	*	\$9				
b Provided under other arrangements	—	—	—	—	1	—	—	1
Total line 303	8	1	*	9	1			1
304 Per-minute charges for originating or terminating calls								
a Provided under state or federal access tariff	1	*		1				
b Provided as unbundled network elements or other contract arrangement	48	4	*	52	3	*	—	3
Total line 304	49	4	*	53	3	*		3
305 Local private line & special access	7	*		7				
306 Payphone compensation from toll carriers	2	*		2	*	*		*
307 Other local telecommunications service revenues	1	1		2	*	*		*
308 Universal service support revenue received from federal or state sources					*	*		1
Total fixed local service provided for resale	66	6	*	72	5	1		6
<i>Mobile service (including wireless telephony, paging & messaging, and other mobile services)</i>								
309 Monthly, activation, and message charges except toll	3,985	512	7	4,504	481	109		590
Total mobile service provided for resale	3,985	512	7	4,504	481	109		590
<i>Toll service</i>								
310 Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.)	2	1	*	3	*	*		*
311 Ordinary long distance (MTS, customer toll-free 800/888/877/866 service, "10-10 calls", associated monthly account maintenance, PICC pass-through, and other switched services not reported above)	450	171	5	626	2	*	*	2
312 Long distance private line services	1	2	*	3	*	*		*
313 Satellite services								
314 All other long distance services	28	17	*	44				
Total toll service provided for resale	481	190	5	676	2	*	*	2
Total service provided for resale (carrier's carrier)	\$4,532	\$708	\$12	\$5,252	\$488	\$110	*	\$598

Note: Amounts may not add to totals due to rounding.

* Denotes values greater than \$0 but less than \$500,000.

1/ Includes service provided to other contributors to federal universal service support mechanisms. Excludes service provided to firms that are *de minimis* or otherwise exempt from federal universal service support mechanisms.

Table 5
Revenues from Telecommunications Service Provided for Resale 1/: 2000
Continued
(Dollar Amounts Shown in Millions)

Data from FCC Form 499-A Line	Toll Carriers				Total All Filers			
	Intrastate	Interstate	International	Total	Intrastate	Interstate	International	Total
<i>Fixed local service</i>								
303 Monthly service, local calling, connection charges, vertical features, and other local exchange service including subscriber line and PICC charges to IXCs								
a Provided as unbundled network elements	\$15	\$2		\$17	\$1,285	\$22	\$1	\$1,307
b Provided under other arrangements	<u>165</u>	<u>8</u>	—	<u>173</u>	<u>2,658</u>	<u>1,784</u>	—*	<u>4,442</u>
Total line 303	180	10		190	3,943	1,806	1	5,749
304 Per-minute charges for originating or terminating calls								
a Provided under state or federal access tariff	39	27	*	66	6,709	5,577	13	12,299
b Provided as unbundled network elements or other contract arrangement	<u>76</u>	<u>19</u>	<u>2</u>	<u>96</u>	<u>2,254</u>	<u>2,462</u>	<u>3</u>	<u>4,719</u>
Total line 304	115	46	2	163	8,963	8,039	16	17,017
305 Local private line & special access	55	52	*	107	1,615	8,030	*	9,645
306 Payphone compensation from toll carriers	6	67	1	74	318	312	2	633
307 Other local telecommunications service revenues	30	7	1	38	954	282	2	1,237
308 Universal service support revenue received from federal or state sources					724	1,615	*	2,339
Total fixed local service provided for resale	386	182	3	571	16,517	20,083	22	36,621
<i>Mobile service (including wireless telephony, paging & messaging, and other mobile services)</i>								
309 Monthly, activation, and message charges except toll	40	7	*	47	4,508	629	7	5,144
Total mobile service provided for resale	40	7	*	47	4,508	629	7	5,144
<i>Toll service</i>								
310 Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.)	50	219	394	662	54	221	394	669
311 Ordinary long distance (MTS, customer toll-free 800/888/877/866 service, "10-10 calls", associated monthly account maintenance, PICC pass-through, and other switched services not reported above)	2,426	5,000	6,486	13,912	3,003	5,230	6,542	14,775
312 Long distance private line services	1,188	3,719	334	5,242	1,292	4,137	399	5,828
313 Satellite services	2	54	10	66	2	54	10	66
314 All other long distance services	95	186	106	386	177	227	106	510
Total toll service provided for resale	3,761	9,178	7,330	20,268	4,529	9,869	7,451	21,849
Total service provided for resale (carrier's carrier)	\$4,187	\$9,366	\$7,333	\$20,886	\$25,553	\$30,580	\$7,480	\$63,613

Note: Amounts may not add to totals due to rounding.

* Denotes values greater than \$0 but less than \$500,000.

1/ Includes service provided to other contributors to federal universal service support mechanisms. Excludes service provided to firms that are *de minimis* or otherwise exempt from federal universal service support mechanisms.

Table 6
Revenues from Telecommunications Service Provided to End Users: 2000
(Dollar Amounts Shown in Millions)

Data from FCC Form 499-A Line	Regional Bell Operating Company Incumbent Local Exchange Carriers				Other Incumbent Local Exchange Carriers			
	Intrastate	Interstate	International	Total	Intrastate	Interstate	International	Total
<u>Fixed local service</u>								
404 Monthly service, local calling, connection charges, vertical features, and other local exchange service charges except for federally tariffed subscriber line charges and PICC charges	\$48,628	\$102		\$48,731	\$6,252	\$23	*	\$6,275
405 PICC charges levied by a local exchange carrier on a no-PIC customer and tariffed subscriber line charges	<u>192</u>	<u>9,713</u>	—	<u>9,905</u>	<u>41</u>	<u>1,285</u>	—*	<u>1,325</u>
Total local exchange (Line 404 + Line 405)	48,820	9,816		58,636	6,293	1,308	*	7,600
406 Local private line and special access service	2,675	2,286		4,961	254	47	*	301
407 Payphone coin revenues	688	2		690	36	*	*	37
408 Other local telecommunications service revenues	3,981	37		4,018	84	4	*	88
Line 403 surcharges on fixed local service 1/	157	267		423	15	17		33
Total fixed local service provided to end users	56,320	12,407		68,727	6,682	1,376	*	8,058
<u>Mobile service (including wireless telephony, paging & messaging, and other mobile services)</u>								
409 Monthly and activation charges	127			127	20	1		21
410 Message charges including roaming, but excluding toll charges	71			71	7	1		8
Line 403 surcharges on mobile service 1/	*			*	*			*
Total mobile service provided to end users	198			198	27	2		29
<u>Toll service</u>								
411 Prepaid calling card (including card sales to customers and non-carrier distributors) reported at face value of cards	*			*	*	*	*	*
412 International calls that both originate and terminate in foreign points								
413 Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.) other than revenues reported on Line 412	177	4		180	7	1	*	8
414 Ordinary long distance (MTS, customer toll-free 800/888/877/866 service, "10-10" calls, associated monthly account maintenance, PICC pass-through, and other switched services not reported above)	4,580	143		4,722	354	19	*	374
415 Long distance private line services	972	6		977	96	2	*	98
416 Satellite services		*		*	*			*
417 All other long distance services	54	1		55	10	1	*	11
Line 403 surcharges on toll service 1/	27	6		32	2	*		2
Total toll service provided to end users	5,808	158		5,966	470	23	*	493
Total telecommunications service provided to end users	\$62,326	\$12,566		\$74,892	\$7,179	\$1,400	\$1	\$8,580

Note: Amounts may not add to totals due to rounding.

* Denotes values greater than \$0 but less than \$500,000.

1/ Includes a proportionate share of amounts reported on Line 403 as surcharges or other amounts on bills identified as recovering state or federal universal service contributions.

Table 6
Revenues from Telecommunications Service Provided to End Users: 2000
Continued
(Dollar Amounts Shown in Millions)

Data from FCC Form 499-A Line	CLECS and Other Fixed Local Competitors				Payphone Providers			
	Intrastate	Interstate	International	Total	Intrastate	Interstate	International	Total
<i>Fixed local service</i>								
404 Monthly service, local calling, connection charges, vertical features, and other local exchange service charges except for federally tariffed subscriber line charges and PICC charges	\$2,928	\$63	\$4	\$2,994	*			*
405 PICC charges levied by a local exchange carrier on a no-PIC customer and tariffed subscriber line charges	2	230	*	232	*	*		*
Total local exchange (Line 404 + Line 405)	2,930	293	4	3,226	*	*		*
406 Local private line and special access service	1,000	930	*	1,931	*	*	*	*
407 Payphone coin revenues	5	*	*	5	504	31	*	536
408 Other local telecommunications service revenues	90	2	*	92	1	*	*	1
Line 403 surcharges on fixed local service 1/	29	35	*	64	*	*		*
Total fixed local service provided to end users	4,053	1,260	4	5,317	506	32	*	537
<i>Mobile service (including wireless telephony, paging & messaging, and other mobile services)</i>								
409 Monthly and activation charges	6	*	*	7	*	*		*
410 Message charges including roaming, but excluding toll charges	1	*		1				
Line 403 surcharges on mobile service 1/	*	*	*	*				
Total mobile service provided to end users	8	1	*	8	*	*		*
<i>Toll service</i>								
411 Prepaid calling card (including card sales to customers and non-carrier distributors) reported at face value of cards	1	1	*	2	*	8	*	8
412 International calls that both originate and terminate in foreign points			2	2				
413 Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.) other than revenues reported on Line 412	31	24	2	57	130	17	*	147
414 Ordinary long distance (MTS, customer toll-free 800/888/877/866 service, "10-10" calls, associated monthly account maintenance, PICC pass-through, and other switched services not reported above)	454	538	93	1,086	1	*	*	2
415 Long distance private line services	117	304	13	434				
416 Satellite services	1	*		1				
417 All other long distance services	66	32	4	102				
Line 403 surcharges on toll service 1/		28	3	22	1	*		1
Total toll service provided to end users	662	927	117	1,707	132	25	*	157
Total telecommunications service provided to end users	\$4,723	\$2,188	\$121	\$7,032	\$637	\$57	*	\$694

Note: Amounts may not add to totals due to rounding.

* Denotes values greater than \$0 but less than \$500,000.

1/ Includes a proportionate share of amounts reported on Line 403 as surcharges or other amounts on bills identified as recovering state or federal universal service contributions.

Table 6
Revenues from Telecommunications Service Provided to End Users: 2000
Continued
(Dollar Amounts Shown in Millions)

Data from FCC Form 499-A Line	Cellular, PCS and SMR Wireless Telephony				Other Wireless			
	Intrastate	Interstate	International	Total	Intrastate	Interstate	International	Total
<i>Fixed local service</i>								
404 Monthly service, local calling, connection charges, vertical features, and other local exchange service charges except for federally tariffed subscriber line charges and P ICC charges	\$58	\$3	*	\$61	\$1	*		\$1
405 P ICC charges levied by a local exchange carrier on a no-P IC customer and tariffed subscriber line charges	1	1	—	3	—	*	—	*
Total local exchange (Line 404 + Line 405)	59	5	*	64	1	*		1
406 Local private line and special access service	5	*		5	*			*
407 Payphone coin revenues	*	*		*	*	*		*
408 Other local telecommunications service revenues	3	*		3	2	*	*	2
Line 403 surcharges on fixed local service 1/	*	*	*	*	*	*		*
Total fixed local service provided to end users	66	5	*	71	4	*	*	4
<i>Mobile service (including wireless telephony, paging & messaging, and other mobile services)</i>								
409 Monthly and activation charges	24,135	3,190	34	27,358	2,052	298	*	2,350
410 Message charges including roaming, but excluding toll charges	21,725	3,275	37	25,037	299	113	5	417
Line 403 surcharges on mobile service 1/	327	90	*	418	24	17	*	40
Total mobile service provided to end users	46,187	6,555	71	52,813	2,375	428	5	2,807
<i>Toll service</i>								
411 Prepaid calling card (including card sales to customers and non-carrier distributors) reported at face value of cards	34	4	3	41	*	*	*	*
412 International calls that both originate and terminate in foreign points			7	7			2	2
413 Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.) other than revenues reported on Line 412	15	3	1	19	*	2	*	2
414 Ordinary long distance (MTS, customer toll-free 800/888/877/866 service, "10-10" calls, associated monthly account maintenance, P ICC pass-through, and other switched services not reported above)	861	318	14	1,194	18	7	*	25
415 Long distance private line services	7	6	*	12	*	*		*
416 Satellite services					1	9		10
417 All other long distance services	168	224	4	396	*	8		8
Line 403 surcharges on toll service 1/	3	16	*	18	*	1		1
Total toll service provided to end users	1,088	570	28	1,686	20	26	2	49
Total telecommunications service provided to end users	\$47,341	\$7,130	\$100	\$54,570	\$2,398	\$454	\$7	\$2,859

Note: Amounts may not add to totals due to rounding.

* Denotes values greater than \$0 but less than \$500,000.

1/ Includes a proportionate share of amounts reported on Line 403 as surcharges or other amounts on bills identified as recovering state or federal universal service contributions.

Table 6
Revenues from Telecommunications Service Provided to End Users: 2000
Continued
(Dollar Amounts Shown in Millions)

Data from FCC Form 499-A Line	Toll Carriers				Total All Filers			
	Intrastate	Interstate	International	Total	Intrastate	Interstate	International	Total
<u>Fixed local service</u>								
404 Monthly service, local calling, connection charges, vertical features, and other local exchange service charges except for federally tariffed subscriber line charges and PICC charges	\$1,587	\$9	*	\$1,597	\$59,454	\$200	\$4	\$59,659
405 PICC charges levied by a local exchange carrier on a no-PIC customer and tariffed subscriber line charges	4	94	*	98	239	11,323	*	11,563
Total local exchange (Line 404 + Line 405)	1,591	103	1	1,695	59,693	11,524	5	71,222
406 Local private line and special access service	12	9	*	21	3,946	3,273	*	7,219
407 Payphone coin revenues	28	3	2	32	1,261	36	2	1,299
408 Other local telecommunications service revenues	8	*		8	4,168	43	*	4,211
Line 403 surcharges on fixed local service 1/	49	6	*	55	250	325	*	575
Total fixed local service provided to end users	1,687	121	3	1,811	69,318	15,201	7	84,526
<u>Mobile service (including wireless telephony, paging & messaging, and other mobile services)</u>								
409 Monthly and activation charges	586	96	1	683	26,926	3,586	35	30,546
410 Message charges including roaming, but excluding toll charges	239	41	1	282	22,343	3,430	43	25,816
Line 403 surcharges on mobile service 1/	27	10	*	36	378	117	1	495
Total mobile service provided to end users	851	148	2	1,001	49,646	7,133	79	56,857
<u>Toll service</u>								
411 Prepaid calling card (including card sales to customers and non-carrier distributors) reported at face value of cards	211	468	507	1,186	247	480	510	1,237
412 International calls that both originate and terminate in foreign points	*		1,076	1,076	*		1,087	1,087
413 Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.) other than revenues reported on Line 412	2,441	4,048	1,512	8,000	2,799	4,098	1,515	8,412
414 Ordinary long distance (MTS, customer toll-free 800/888/877/866 service, "10-10" calls, associated monthly account maintenance, PICC pass-through, and other switched services not reported above)	15,387	29,268	8,352	53,006	21,655	30,294	8,459	60,408
415 Long distance private line services	1,645	6,235	959	8,839	2,838	6,552	971	10,361
416 Satellite services	15	116	200	331	17	125	200	342
417 All other long distance services	598	1,214	70	1,882	896	1,479	78	2,454
Line 403 surcharges on toll service 1/	25	3,260	105	3,390	49	3,309	108	3,467
Total toll service provided to end users	20,322	44,608	12,780	77,710	28,501	46,337	12,929	87,767
Total telecommunications service provided to end users	\$22,860	\$44,876	\$12,785	\$80,521	\$147,465	\$68,671	\$13,014	\$229,149

Note: Amounts may not add to totals due to rounding.

* Denotes values greater than \$0 but less than \$500,000.

1/ Includes a proportionate share of amounts reported on Line 403 as surcharges or other amounts on bills identified as recovering state or federal universal service contributions.

Table 7
Total Revenues: 2000
(Dollar Amounts Shown in Millions)

Data from FCC Form 499-A Line	Regional Bell Operating Company Incumbent Local Exchange Carriers				Other Incumbent Local Exchange Carriers			
	Intrastate	Interstate	International	Total	Intrastate	Interstate	International	Total
Fixed local service other than payphone [Lines 303, 304, 305, 307, 308, 404, 405, 406, 408, and a portion of 403 1/]	\$65,843	\$27,291		\$93,135	\$10,147	\$5,014	\$8	\$15,168
Payphone [Lines 306 and 407]	829	117		945	46	19	*	65
Mobile service [Lines 309, 409, 410, and a portion of 403 1/]	198			198	30	2		32
Toll service [Lines 310, 311, 312, 313, 314, 411, 412, 413, 414, 415, 416, 417, and a portion of 403 1/]	5,911	162		6,073	511	31	1	543
Total telecommunications service revenues	72,781	27,570		100,351	10,733	5,066	8	15,807
Total telecommunications service provided for resale (from Table 1.5)	10,455	15,004		25,459	3,554	3,665	8	7,227
Total telecommunications service provided to end users (from Table 1.6)	<u>62,326</u>	<u>12,566</u>	---	<u>74,892</u>	<u>7,179</u>	<u>1,400</u>	<u>1</u>	<u>8,580</u>
Total telecommunications service revenues	72,781	27,570		100,351	10,733	5,066	8	15,807
418 Enhanced services, inside wiring maintenance, billing and collection, customer premises equipment, published directory, dark fiber, Internet access, cable TV program transmission, and non-telecommunications service revenues	---	---	---	10,419	---	---	---	2,633
419 Gross billed revenues from all sources	---	---	---	\$110,770	---	---	---	\$18,440

Note: Amounts may not add to totals due to rounding.

* Denotes values greater than \$0 but less than \$500,000.

1/Includes a proportionate share of amounts reported on line 403 as surcharges or other amounts on bills identified as recovering state or federal universal service contributions.

Table 7
Total Revenues: 2000
Continued
(Dollar Amounts Shown in Millions)

Data from FCC Form 499-A Line	CLECS and Other Fixed Local Competitors				Payphone Providers			
	Intrastate	Interstate	International	Total	Intrastate	Interstate	International	Total
Fixed local service other than payphone [Lines 303, 304, 305, 307, 308, 404, 405, 406, 408, and a portion of 403 1/]	\$6,071	\$2,383	\$13	\$8,466	\$16	\$3	\$1	\$20
Payphone [Lines 306 and 407]	13	8	*	21	657	135	2	794
Mobile service [Lines 309, 409, 410, and a portion of 403 1/]	8	1	*	9	*	*		*
Toll service [Lines 310, 311, 312, 313, 314, 411, 412, 413, 414, 415, 416, 417, and a portion of 403 1/]	800	1,416	233	2,449	134	25	*	159
Total telecommunications service revenues	6,892	3,808	246	10,945	807	163	3	972
Total telecommunications service provided for resale (from Table 1.5)	2,169	1,620	125	3,913	169	107	2	278
Total telecommunications service provided to end users (from Table 1.6)	<u>4,723</u>	<u>2,188</u>	<u>121</u>	<u>7,032</u>	<u>637</u>	<u>57</u>	<u>*</u>	<u>694</u>
Total telecommunications service revenues	6,892	3,808	246	10,945	807	163	3	972
418 Enhanced services, inside wiring maintenance, billing and collection, customer premises equipment, published directory, dark fiber, Internet access, cable TV program transmission, and non-telecommunications service revenues	---	---	---	2,249	---	---	---	55
419 Gross billed revenues from all sources	---	---	---	\$13,194	---	---	---	\$1,027

Note: Amounts may not add to totals due to rounding.

* Denotes values greater than \$0 but less than \$500,000.

1/Includes a proportionate share of amounts reported on line 403 as surcharges or other amounts on bills identified as recovering state or federal universal service contributions.

Table 7
Total Revenues: 2000
Continued
(Dollar Amounts Shown in Millions)

Data from FCC Form 499-A Line	Cellular, PCS and SMR Wireless Telephony				Other Wireless			
	Intrastate	Interstate	International	Total	Intrastate	Interstate	International	Total
Fixed local service other than payphone [Lines 303, 304, 305, 307, 308, 404, 405, 406, 408, and a portion of 403 1/]	\$131	\$10	*	\$141	\$8	\$1	*	\$9
Payphone [Lines 306 and 407]	2	*		2	*	*		*
Mobile service [Lines 309, 409, 410, and a portion of 403 1/]	50,171	7,067	78	57,317	2,855	537	5	3,397
Toll service [Lines 310, 311, 312, 313, 314, 411, 412, 413, 414, 415, 416, 417, and a portion of 403 1/]	1,569	760	33	2,362	22	27	2	51
Total telecommunications service revenues	51,873	7,838	112	59,823	2,886	565	7	3,457
Total telecommunications service provided for resale (from Table 1.5)	4,532	708	12	5,252	488	110	*	598
Total telecommunications service provided to end users (from Table 1.6)	<u>47,341</u>	<u>7,130</u>	<u>100</u>	<u>54,570</u>	<u>2,398</u>	<u>454</u>	<u>7</u>	<u>2,859</u>
Total telecommunications service revenues	51,873	7,838	112	59,823	2,886	565	7	3,457
418 Enhanced services, inside wiring maintenance, billing and collection, customer premises equipment, published directory, dark fiber, Internet access, cable TV program transmission, and non-telecommunications service revenues	---	---	---	9,876	---	---	---	1,300
419 Gross billed revenues from all sources	---	---	---	\$69,698	---	---	---	\$4,757

Note: Amounts may not add to totals due to rounding.

* Denotes values greater than \$0 but less than \$500,000.

1/Includes a proportionate share of amounts reported on line 403 as surcharges or other amounts on bills identified as recovering state or federal universal service contributions.

Table 7
Total Revenues: 2000
Continued
(Dollar Amounts Shown in Millions)

Data from FCC Form 499-A Line	Toll Carriers				Total All Filers			
	Intrastate	Interstate	International	Total	Intrastate	Interstate	International	Total
Fixed local service other than payphone [Lines 303, 304, 305, 307, 308, 404, 405, 406, 408, and a portion of 403 1/]	\$2,040	\$233	\$4	\$2,276	\$84,255	\$34,935	\$25	\$119,215
Payphone [Lines 306 and 407]	34	69	2	105	1,580	348	4	1,932
Mobile service [Lines 309, 409, 410, and a portion of 403 1/]	891	155	2	1,048	54,153	7,761	86	62,000
Toll service [Lines 310, 311, 312, 313, 314, 411, 412, 413, 414, 415, 416, 417, and a portion of 403 1/]	24,083	53,786	20,110	97,978	33,030	56,207	20,379	109,615
Total telecommunications service revenues	27,047	54,243	20,118	101,407	173,018	99,251	20,494	292,762
Total telecommunications service provided for resale (from Table 1.5)	4,187	9,366	7,333	20,886	25,553	30,582	7,480	63,615
Total telecommunications service provided to end users (from Table 1.6)	<u>22,860</u>	<u>44,875</u>	<u>12,785</u>	<u>80,520</u>	<u>147,465</u>	<u>68,671</u>	<u>13,014</u>	<u>229,149</u>
Total telecommunications service revenues	27,047	54,243	20,118	101,407	173,018	99,251	20,494	292,762
418 Enhanced services, inside wiring maintenance, billing and collection, customer premises equipment, published directory, dark fiber, Internet access, cable TV program transmission, and non-telecommunications service revenues	---	---	---	15,730	---	---	---	42,261
419 Gross billed revenues from all sources	---	---	---	\$117,137	---	---	---	\$335,023

Note: Amounts may not add to totals due to rounding.

* Denotes values greater than \$0 but less than \$500,000.

1/Includes a proportionate share of amounts reported on line 403 as surcharges or other amounts on bills identified as recovering state or federal universal service contributions.

Table 8
Revenues by Type of Carrier: 2000
(Dollar Amounts Shown in Millions)

Data from FCC Form 499-A	Telecommunications Services Provided for Resale 1/				Telecommunications Services Provided to End Users 1/			
	Fixed Local	Mobile	Toll	Total	Fixed Local	Mobile	Toll	Total
Regional Bell Operating Companies	\$25,352	*	\$107	\$25,459	\$68,727	\$198	\$5,966	\$74,892
Other Incumbent Local Exchange Carriers (ILECs)	<u>7,175</u>	<u>3</u>	<u>50</u>	<u>7,227</u>	<u>8,058</u>	<u>29</u>	<u>493</u>	<u>8,580</u>
Total ILECs	32,527	3	157	32,686	76,786	227	6,459	83,472
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	2,895	1	692	3,587	4,679	5	1,543	6,228
Local Resellers	94		47	140	607	*	132	739
Private Service Providers	*		4	4	*		6	7
Shared-Tenant Service Providers	1		*	1	22	*	16	38
Other Local Service Providers	<u>181</u>			<u>181</u>	9	3	9	21
Total Local Competitors	3,170	1	743	3,913	5,317	8	1,707	7,032
Fixed Local Service Providers	35,697	3	899	36,599	82,103	235	8,166	90,504
Payphone Service Providers	276		2	278	537	*	157	694
Wireless Telephony Including Cellular, Personal Communications Service (PCS) and SMR Telephony Carriers	72	4,504	676	5,252	71	52,813	1,686	54,570
Paging & Messaging Service Providers	5	582	2	590	2	2,490	20	2,513
Specialized Mobile Radio (SMR) Dispatch	*	*	*	*	*	190	1	191
Wireless Data and Other Mobile Service Providers		8		8	1	127	27	156
Wireless Service Providers	78	5,094	679	5,850	75	55,620	1,735	57,430
Interexchange Carriers (IXCs)	488	*	16,353	16,842	1,379	647	68,443	70,469
Operator Service Providers (OSPs)	*		10	10	6	*	619	625
Prepaid Calling Card Providers	3		28	31	*	*	696	696
Satellite Service Providers		*	64	64	5	4	264	272
Toll Resellers	57	46	2,677	2,780	412	345	7,103	7,861
Other Toll Carriers	22	*	1,137	1,159	8	6	585	599
Toll Service Providers	571	47	20,268	20,886	1,811	1,001	77,710	80,521
All Filers	\$36,621	\$5,144	\$21,848	\$63,613	\$84,526	\$56,857	\$87,767	\$229,149

Note: Amounts may not add to totals due to rounding.

* Denotes values greater than \$0 but less than \$500,000.

1/ Telecommunications service provided for resale consists of services provided to other contributors to federal universal service support mechanisms for resale. Revenues from services provided to firms that are *de minimis* under or exempt from federal universal service support mechanisms are reported as end-user service.

Table 8
Revenues by Type of Carrier: 2000
Continued
(Dollar Amounts Shown in Millions)

Data from FCC Form 499-A	Potential Universal Service Contribution Base 1/ 2/	Telecommunications Service Revenues					Other Revenues 3/	Total
		Intrastate	Interstate	International to International	Other International	Total		
Regional Bell Operating Companies	\$12,566	\$72,781	\$27,570			\$100,351	\$10,419	\$110,770
Other Incumbent Local Exchange Carriers (ILECs)	1,401	10,733	5,066		8	15,807	2,633	18,440
Total ILECs	13,966	83,514	32,635		8	116,158	13,052	129,210
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	2,128	6,166	3,427	*	221	9,814	1,489	11,303
Local Resellers	151	679	184	*	16	879	721	1,600
Private Service Providers	6	*	9	*	2	11	2	13
Shared-Tenant Service Providers	14	25	10		4	39	26	65
Other Local Service Providers	7	21	178	2	1	202	12	213
Total Local Competitors	2,306	6,892	3,808	2	243	10,945	2,249	13,194
Fixed Local Service Providers	16,273	90,406	36,443	2	252	127,103	15,301	142,404
Payphone Service Providers	57	806	163		3	972	55	1,027
Wireless Telephony Including Cellular, Personal Communications Service (PCS) and SMR Telephony Carriers	7,223	51,873	7,838	7	105	59,823	9,876	69,698
Paging & Messaging Service Providers	329	2,670	432		*	3,102	1,085	4,188
Specialized Mobile Radio (SMR) Dispatch	8	182	8		*	191	69	260
Wireless Data and Other Mobile Service Providers	122	33	124	2	5	164	146	310
Wireless Service Providers	7,682	54,758	8,403	9	110	63,280	11,176	74,455
Interexchange Carriers (IXCs)	50,560	22,330	48,919	1,001	15,060	87,311	8,429	95,739
Operator Service Providers (OSPs)	302	326	253		56	635	90	725
Prepaid Calling Card Providers	608	87	297	7	336	727	58	785
Satellite Service Providers	261	14	165		157	336	5,524	5,860
Toll Resellers	4,306	4,202	4,236	60	2,142	10,641	1,129	11,769
Other Toll Carriers	549	89	371	7	1,291	1,758	499	2,257
Toll Service Providers	56,586	27,047	54,243	1,076	19,042	101,407	15,730	117,137
All Filers	\$80,597	\$173,018	\$99,251	\$1,087	\$19,406	\$292,762	\$42,261	\$335,023

Note: Amounts may not add to totals due to rounding.

* Denotes values greater than \$0 but less than \$500,000.

- 1/ Telecommunications service provided for resale consists of services provided to other contributors to federal universal service support mechanisms for resale. Revenues from services provided to firms that are *de minimis* under or exempt from federal universal service support mechanisms are reported as end-user service.
- 2/ Excluding international-to-international revenues reported on line 412 but not excluding international revenues where interstate toll represents less than 8% of combined interstate and international end-user revenues and not excluding revenues from filers who are *de minimis* or otherwise exempt from contributing.
- 3/ Carriers report non-telecommunications service revenues on Line 418. This category includes enhanced services, inside wiring maintenance, billing and collection, customer premises equipment, published directory dark fiber, Internet and other non-telecommunications service revenues.

Table 9
Estimates of Average Revenue per Conversation Minute
(Dollar Amounts and Minutes Shown in Millions)

	1992	1993	1994	1995	1996	1997	1998	1999	2000
Interstate operator service revenues 1/	\$7,213	\$7,052	\$6,561	\$6,878	\$6,454	\$7,113	\$6,971	\$5,747	\$6,603
+ Other interstate switched toll revenues 2/	\$32,217	\$36,477	\$38,843	\$42,139	\$47,865	\$42,075	\$42,620	\$45,026	\$38,753
+ International-to-international toll revenues 3/	\$74	\$111	\$166	\$249	\$374	\$561	\$1,121	\$983	\$1,087
+ Charges on bills identified as USF contributions 4/							\$878	\$2,213	\$2,830
+ PICC pass-through reported as SLC revenues 5/							\$1,208	\$0	\$0
- 80% of revenues reported by toll resellers	\$665	\$1,001	\$1,251	\$2,582	\$4,211	n.a.	n.a.	n.a.	n.a.
= Total end-user switched toll revenues	\$38,765	\$42,528	\$44,153	\$46,435	\$50,107	\$49,325	\$52,797	\$53,969	\$49,273
- International-to-international toll revenues 3/	\$74	\$111	\$166	\$249	\$374	\$561	\$1,121	\$983	\$1,087
= U.S. international and interstate end-user switched toll revenues	\$38,691	\$42,417	\$43,987	\$46,186	\$49,733	\$48,764	\$51,677	\$52,986	\$48,186
- End-user international MTS revenues 6/	\$10,382	\$11,564	\$12,543	\$14,335	\$14,598	\$15,661	\$14,726	\$14,980	\$15,711
- International-to-international toll revenues 3/	\$48	\$140	\$166	\$249	\$374	\$561	\$1,121	\$983	\$1,087
= International revenues for U.S. end users	\$10,335	\$11,424	\$12,377	\$14,086	\$14,224	\$15,100	\$13,606	\$13,997	\$14,624
Total end-user switched toll revenues	\$38,765	\$42,528	\$44,153	\$46,435	\$50,107	\$49,325	\$52,797	\$53,969	\$49,273
- End-user international MTS revenues 6/	\$10,382	\$11,564	\$12,543	\$14,335	\$14,598	\$15,661	\$14,726	\$14,980	\$15,711
= Interstate domestic switched end-user revenues	\$28,383	\$30,965	\$31,610	\$32,100	\$35,509	\$33,664	\$38,071	\$39,507	\$33,562
U.S. billed international minutes	10,294	11,513	13,616	15,889	19,325	22,753	24,250	28,585	34,776
- Country-direct/beyond minutes 9/	100	294	350	500	728	1,053	933	1,736	1,935
- Reoriginating minutes 9/	0	0	0	5	26	98	532	802	1,412
= U.S. billed international minutes excluding country-direct/beyond and reoriginating	10,194	11,219	13,266	15,384	18,571	21,602	22,785	26,048	31,429
ILEC originating interstate access minutes 7/	154,375	157,114	162,043	169,236	173,300	181,900	184,000	208,267	204,154
+ Estimated CLEC originating minutes 8/	309	432	580	1,218	1,816	4,118	6,452	12,550	17,761
- U.S. billed international minutes excluding country direct/beyond and reoriginating	10,194	11,219	13,266	15,384	18,571	21,602	22,785	26,048	31,429
= Domestic originating access minutes	144,490	146,327	149,357	155,071	156,545	164,416	167,667	194,770	190,486
ILEC terminating interstate access minutes 7/	195,374	214,126	239,360	262,712	292,800	315,400	334,800	344,465	363,295
+ Estimated CLEC terminating minutes 8/	391	589	856	1,891	3,068	7,141	11,739	20,757	31,607
- Country-direct/beyond international settlement minutes 9/	100	294	350	500	728	1,053	933	1,736	1,935
- Foreign billed international settlement minutes 10/	5,248	5,678	6,385	7,121	8,291	9,107	10,208	10,765	12,719
= Domestic terminating access minutes	190,417	208,743	233,481	256,982	286,849	312,381	335,398	352,721	380,248
Conversation minutes 11/									
U.S. interstate and international minutes	200,611	219,962	246,747	272,366	305,420	333,984	358,183	377,163	411,677
International conversation minutes 9/	10,194	11,219	13,266	15,384	18,571	21,602	22,785	25,016	31,429
Interstate domestic conversation minutes	190,417	208,743	233,481	256,982	286,849	312,381	335,398	352,147	380,248
End-user revenue per									
U.S. interstate and international minute	\$0.19	\$0.19	\$0.18	\$0.17	\$0.16	\$0.15	\$0.14	\$0.14	\$0.12
International conversation minute 12/	\$1.01	\$1.02	\$0.93	\$0.92	\$0.77	\$0.70	\$0.60	\$0.54	\$0.47
Interstate domestic conversation minute	\$0.15	\$0.15	\$0.14	\$0.12	\$0.12	\$0.11	\$0.11	\$0.11	\$0.09

See notes on next page.

Notes for Table 9.

Note: Some data for prior years have been revised.

- 1/ Starting in 1997, interstate operator service revenues are interstate and international prepaid calling card revenues (currently Table 6, Line 411) plus revenues from interstate and international operator and toll calls with alternative billing arrangements (currently Table 6, Line 413).
- 2/ Starting in 1997, other interstate switched toll revenues are equal to revenues from interstate and international ordinary long distance and other switched toll services (currently Table 6, Line 414).
- 3/ Starting in 1997, amounts shown are revenues from international calls that both originate and terminate at foreign points (currently Table 6, Line 412). International-to-international revenues were not reported separately prior to 1997. Amounts for 1992 through 1999 were estimated using a 50% growth rate. Most international-to-international services are provided to foreign customers. Some international-to-international services, such as call-back service, generate both originating and terminating access minutes.
- 4/ Carriers only report aggregate universal service surcharge revenues. Such revenues are allocated across services based on the share of contribution base revenues generated by each service.
- 5/ PICC charges were introduced in 1998. The reporting instructions for 1998 data were not clear and many toll carriers reported PICC pass-through charges as local revenues rather than as toll revenues. Carrier-by-carrier information was used to identify misclassified amounts to ensure that the amount of toll revenues for 1998 was accurate..
- 6/ Table 2 of *Trends in the U.S. International Telecommunications Industry* contains estimates of international end-user revenues. A preliminary figure is used for year 2000. Note that these figures differ significantly from data contained in Table 6 herein. Table 3 in *the U.S. International Telecommunications Industry* contains data for country-direct/beyond and reoriginated minutes.
- 7/ Based on National Exchange Carrier Association (NECA) filings. Beginning in 1999, ILECs total interstate access minutes (*Monitoring Report*, Table 8.1) are allocated between originating and terminating based on the originating and terminating shares of carrier common line (CCL) minutes of use reported by carriers subject to price-cap regulation and all local exchange carriers in the NECA pool (see *Trends in Telephone Service*, Table 1.4).
- 8/ CLEC access minutes are estimated based on the local service competitors share of the local services market. Data taken from the *Local Telephone Competition* report. The 1992 percentage is based on trend derived from following year data. The 2000 percentage is preliminary.

	1992	1993	1994	1995	1996	1997	1998	1999	2000
Local service competitors share of local revenues	0.2%	0.3%	0.4%	0.7%	1.0%	2.3%	3.5%	5.8%	8.7%

- 9/ World total MTS minutes billed in the United States from *Section 43.61 International Telecommunications Data*. Includes data for all U.S. points, all settlement arrangements and all U.S. carriers. Billing types covered are 1, 11, and 21. (See that report for an explanation of billing types.) Starting in 1995, carriers separately reported country-direct/beyond minutes. Most country-direct traffic generates terminating access minutes and generally represents billed end-user revenues from U.S. customers. Country-beyond minutes generally do not result in access minutes and generate revenues that are reported as international-to-international. Some other international-to-international traffic, however, results in access minutes and ordinary U.S. billed minutes of traffic. In the absence of better assumptions, and recognizing the offsetting bias for call-back minutes, the country-beyond/direct minutes are treated as terminating access minutes but are not included as international conversation minutes.
- 10/ World total MTS minutes originating or terminating in the United States but billed in foreign countries are from *Section 43.61 International Telecommunications Data*. Includes data for all U.S. points, all settlement arrangements and all U.S. carriers. Billing types covered are 2, 12, and 22. Foreign billed minutes of international traffic generate terminating access minutes.
- 11/ International conversation minutes are estimated as U.S. billed international traffic minutes excluding country-direct/beyond and reoriginating minutes. Domestic conversation minutes are estimated as domestic terminating access minutes.
- 12/ International revenue per-minute amounts published herein differ from estimates published in *Trends in the U.S. International Telecommunications Industry*, Table 2, because the latter estimates include revenues and billed minutes associated with calls that originate and terminate at foreign points.

Table 10
Estimates of Access and Universal Service Costs per Conversation Minute
(Dollar Amounts and Minutes Shown in Millions, Per-Minute Amounts Shown in Dollars and Cents)

	1992	1993	1994	1995	1996	1997	1998	1999	2000
Minutes (see Table 9)									
ILEC originating interstate access minutes	154,375	157,114	162,043	169,236	173,300	181,900	184,000	208,267	204,154
Originating minutes of international traffic	10,194	11,219	13,266	15,384	18,571	21,602	22,785	26,048	31,429
Domestic originating access minutes	144,490	146,327	149,357	155,071	156,545	164,416	167,667	194,770	190,486
ILEC terminating interstate access minutes	195,374	214,126	239,360	262,712	292,800	315,400	334,800	344,465	363,295
Terminating minutes of international traffic	5,348	5,972	6,735	7,621	9,019	10,159	11,141	12,501	14,654
U.S. interstate and international conversation minutes	200,611	219,962	246,747	272,366	305,420	333,984	358,183	377,163	411,677
International conversation minutes	10,194	11,219	13,266	15,384	18,571	21,602	22,785	25,016	31,429
Interstate domestic conversation minutes	190,417	208,743	233,481	256,982	286,849	312,381	335,398	352,147	380,248
Revenue per minute (see Table 9)									
U.S. interstate and international minutes	\$0.19	\$0.19	\$0.18	\$0.17	\$0.16	\$0.15	\$0.14	\$0.14	\$0.12
International conversation minutes	\$1.01	\$1.02	\$0.93	\$0.92	\$0.77	\$0.70	\$0.60	\$0.54	\$0.47
Interstate domestic conversation minutes	\$0.15	\$0.15	\$0.14	\$0.12	\$0.12	\$0.11	\$0.11	\$0.11	\$0.09
Access cost per interstate 2-ended minute	\$0.069	\$0.067	\$0.068	\$0.065	\$0.061	\$0.056	\$0.039	\$0.033	\$0.024
Originating access minutes	\$0.032	\$0.031	\$0.032	\$0.031	\$0.029	\$0.026	\$0.022	\$0.018	\$0.013
Terminating access minutes	\$0.034	\$0.034	\$0.034	\$0.033	\$0.030	\$0.028	\$0.016	\$0.013	\$0.011
Access cost per average conversation minute 2/									
U.S. interstate and international minutes	\$0.058	\$0.055	\$0.054	\$0.050	\$0.045	\$0.041	\$0.026	\$0.022	\$0.016
International conversation minutes	\$0.050	\$0.049	\$0.049	\$0.047	\$0.043	\$0.039	\$0.030	\$0.026	\$0.017
Interstate domestic conversation minutes	\$0.058	\$0.055	\$0.054	\$0.051	\$0.046	\$0.041	\$0.026	\$0.022	\$0.015
Universal service contributions assessed on a per-line basis (\$millions) 3/	\$728	\$873	\$891	\$907	\$944	\$973	\$0	\$0	\$0
Expressed per minute 4/:									
U.S. interstate and international minutes	\$0.004	\$0.004	\$0.004	\$0.003	\$0.003	\$0.003	\$0.006	\$0.007	\$0.007
International conversation minutes	\$0.004	\$0.004	\$0.004	\$0.003	\$0.003	\$0.003	\$0.025	\$0.025	\$0.027
Interstate domestic conversation minutes	\$0.004	\$0.004	\$0.004	\$0.003	\$0.003	\$0.003	\$0.005	\$0.005	\$0.005
CLEC access revenues assessed on a per-minute basis (\$millions) 5/						\$26	\$93	\$213	\$369
Expressed per conversation minute						\$0.0001	\$0.0003	\$0.0006	\$0.0009
Net international settlement payouts (\$millions) 6/	\$3,344	\$3,704	\$4,289	\$4,919	\$5,601	\$5,207	\$4,663	\$4,477	\$4,335
International-to-international revenues as a percentage of total international end-user revenues per U.S. interstate and international minute	0.7%	1.0%	1.3%	1.7%	2.5%	3.6%	7.6%	6.6%	6.9%
per international conversation minute	\$0.017	\$0.017	\$0.017	\$0.018	\$0.018	\$0.015	\$0.012	\$0.011	\$0.010
per international conversation minute	\$0.326	\$0.327	\$0.319	\$0.314	\$0.294	\$0.232	\$0.189	\$0.167	\$0.128
PICC charges billed by Tier 1 carriers (\$millions) 7/							\$2,000	\$2,258	\$1,732
Expressed per conversation minute							\$0.006	\$0.006	\$0.004
per:									
U.S. interstate and international minutes	\$0.078	\$0.076	\$0.075	\$0.072	\$0.066	\$0.059	\$0.050	\$0.046	\$0.037
International conversation minutes 9/	\$0.380	\$0.380	\$0.372	\$0.364	\$0.341	\$0.275	\$0.250	\$0.224	\$0.177
Interstate domestic conversation minutes	\$0.062	\$0.059	\$0.058	\$0.054	\$0.049	\$0.044	\$0.037	\$0.034	\$0.026
Revenue per-minute net of access and universal service costs, per:									
U.S. interstate and international minutes	\$0.115	\$0.117	\$0.104	\$0.098	\$0.096	\$0.087	\$0.094	\$0.094	\$0.080
International conversation minutes 9/	\$0.634	\$0.638	\$0.561	\$0.551	\$0.425	\$0.424	\$0.347	\$0.314	\$0.288
Interstate domestic conversation minutes	\$0.087	\$0.089	\$0.078	\$0.071	\$0.075	\$0.064	\$0.077	\$0.078	\$0.063
Access and universal service costs as a percentage of revenue per minute									
U.S. interstate and international minutes	40.6%	39.3%	41.8%	42.2%	40.8%	40.3%	34.8%	33.1%	31.7%
International conversation minutes	37.4%	37.3%	39.8%	39.8%	44.5%	39.3%	41.8%	41.6%	38.1%
Interstate domestic conversation minutes	41.7%	40.0%	42.6%	43.2%	39.3%	40.7%	32.3%	30.2%	28.9%

See notes on next page.

Notes for Table 10.

Note: Some data for prior years have been revised. Some 2000 international data are preliminary. See text for other caveats.

- 1/ Originating and terminating per-minute charges are derived from data in Table 1.2 of *Trends in Telephone Service*. Charges for the year are calculated as charges for the first and second half of each year, weighted by the actual access minutes for the respective halves.
- 2/ Access cost per average conversation minute is calculated as the total cost of originating and terminating access (based on ILEC but not CLEC access minutes and costs per minute shown in the table) divided by conversation minutes. For example, for international minutes, originating access minutes equals the U.S. billed international minutes excluding country-direct/beyond minutes and hubbing minutes. Similarly, terminating access minutes equal the number of foreign billed minutes plus country-direct/beyond minutes. Ideally, country-direct minutes would be treated differently from country-beyond minutes, but Section 43.61 international traffic data reports do not contain that breakout. For simplicity, all CLEC minutes are treated as domestic access minutes.
- 3/ Source: National Exchange Carrier Association (NECA). Toll carriers were assessed based on the number of presubscribed lines.
- 4/ Through 1997, universal service charges per minute were calculated as the assessments based on lines divided by all U.S. conversation minutes. Starting with 1998, the amounts are estimated as the approximate contribution rate for interstate and international calls times the average per-minute charges.
- 5/ Interstate access per-minute revenues reported on FCC Form 457 and FCC Form 499-A by carriers other than ILECs.
- 6/ *Section 43.61 International Telecommunications Data*. Totals exclude settlement payouts for hubbing service. Net international settlement payouts have been reduced by the ratio of international-to-international service revenues to total international end-user revenues, reflecting the assumption that these revenues cause a proportionate share of net settlement payouts.
- 7/ Since 1998, Tier 1 incumbent local exchange carriers were allowed to recover a portion of interstate expenses through presubscribed interexchange carrier charges (PICCs) on access lines. Where the access line was presubscribed, the PICC was levied on the interexchange carrier (IXC) and the associated revenues were reported as carrier's carrier revenues. The PICC charges shown in the table are based on Tier 1 carrier charges as well as line count information from Tariff Review Plans and from *Statistics of Communications Common Carriers*. Where consumers did not have a pre-subscribed IXC, however, the LEC billed the PICC charge to the customer rather than the IXC. We estimated that 97% of ILEC PICC revenues were collected from IXCs.
- 8/ Includes tariffed per-minute access charges, net international settlement payouts, universal service contributions and PICC charges but excludes the cost of dedicated access lines.
- 9/ The net cost of settling international traffic consists of the settlement payouts for U.S. billed traffic less the settlement receipts for foreign billed traffic. The minutes of foreign billed traffic are not included as international conversation minutes because U.S. carriers do not bill U.S. customers for this traffic. U.S. carriers incur terminating access charges for these minutes and international transmission costs. The terminating access costs are included in the cost per-minute estimates. *Trends in the U.S. International Telecommunications Industry* shows end-user revenue per minute handled, as compared to end-user revenue per U.S. billed conversation minute shown herein.

Table 11
End-User Telecommunications Service Revenues
by Region of the Country: 2000
(Dollar Amounts Shown in Millions)

	By Type of Filer			All Filers	Percent of Total
	Fixed Local and Payphone	Toll including Satellite	Wireless		
Southeast: Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Puerto Rico, South Carolina, Tennessee, and U.S. Virgin Islands	\$19,223	\$14,803	\$11,851	\$45,877	20.0 %
Western: Alaska, Arizona, Colorado, Idaho, Iowa, Minnesota, Montana, Nebraska, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, and Wyoming	10,596	10,445	6,594	27,635	12.1
West Coast: California, Hawaii, Nevada, American Samoa, Guam, Northern Mariana Islands, and Wake Island	11,046	11,956	9,783	32,785	14.3
Mid-Atlantic: Delaware, District of Columbia, Maryland, New Jersey, Pennsylvania, Virginia, and West Virginia	11,895	11,032	6,262	29,189	12.7
Mid-West: Illinois, Indiana, Michigan, Ohio, and Wisconsin	14,039	10,256	8,747	33,043	14.4
Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, and Vermont	11,967	9,851	6,284	28,101	12.3
Southwest: Arkansas, Kansas, Missouri, Oklahoma, and Texas	11,348	11,032	7,503	29,883	13.0
Filers that did not identify revenues by region 1/	1,084	1,146	406	2,636	1.2
Total	\$91,198	\$80,520	\$57,430	\$229,148	100 %

1/ Filers that are exempt from contributing to local number portability administration are not required to provide a breakout by region of the country.

Table 12
Carrier Telecommunications Revenues with Estimated Breakdowns by Type of Service:
First Quarter 2001
(Dollar Amounts Shown in Millions)

Data from FCC Form 499-Q	Telecommunications Service Provided for Resale 1/				Telecommunications Service Provided to End Users 1/				
	Fixed Local	Mobile	Toll	Total Revenues	Fixed Local	Mobile	Toll 2/	Total Revenues	Universal Service Contribution Base 3/
Regional Bell Operating Companies	\$6,652	*	\$28	\$6,680	\$17,050	\$49	\$1,480	\$18,579	\$3,373
Other Incumbent Local Exchange Carriers (ILECs)	<u>1,879</u>	<u>1</u>	<u>13</u>	<u>1,893</u>	<u>2,130</u>	<u>8</u>	<u>130</u>	<u>2,268</u>	<u>400</u>
Total ILECs	8,531	1	41	8,573	19,180	57	1,610	20,847	3,773
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	786	*	188	974	1,295	1	427	1,723	482
Local Resellers	45		23	68	194	*	42	237	42
Private Service Providers	*		6	6	*		2	2	2
Shared-Tenant Service Providers	*		*	*	6	*	5	11	3
Other Local Service Providers	<u>45</u>	---	---	<u>45</u>	10	3	8	21	2
Total Local Competitors	877	*	217	1,094	1,506	5	483	1,994	532
Fixed Local Service Providers	9,409	1	258	9,667	20,685	61	2,094	22,841	4,304
Payphone Service Providers	65		1	65	115	*	34	149	10
Wireless Telephony Including Cellular, Personal Communications Service (PCS) and SMR Telephony Carriers	18	1,090	164	1,272	18	13,555	431	14,005	1,875
Paging & Messaging Service Providers	1	155	1	157	*	502	4	507	68
Specialized Mobile Radio (SMR) Dispatch	*	*	*	*	*	49	*	49	2
Wireless Data and Other Mobile Service Providers		2		2	*	28	6	34	25
Wireless Service Providers	19	1,247	164	1,430	19	14,134	441	14,594	1,970
Interexchange Carriers (IXCs)	102	*	3,413	3,515	342	160	16,716	17,218	12,258
Operator Service Providers (OSPs)	*		6	7	1	*	130	131	59
Prepaid Calling Card Providers	1		7	8	*	*	32	32	25
Satellite Service Providers		*	23	23	1	1	60	62	32
Toll Resellers	15	12	702	730	93	78	1,586	1,756	964
Other Toll Carriers	6	*	291	296	3	2	218	223	152
Toll Service Providers	123	12	4,441	4,577	440	241	18,741	19,422	13,490
All Filers	\$9,616	\$1,260	\$4,864	\$15,740	\$21,260	\$14,436	\$21,309	\$57,005	\$19,775

Note: Amounts may not add to totals due to rounding.

* Denotes values greater than \$0 but less than \$500,000.

1/ Telecommunications service provided for resale consists of services provided to other contributors to federal universal service support mechanisms. Service provided to firms that do not contribute directly to federal universal service support mechanisms are reported as end-user service.

2/ Unlike Table 8, toll revenues shown in Table 12 exclude revenues from calls that both originate and terminate at foreign points.

3/ The total varies from the amount used for calculating the universal service contribution factor for the third quarter of 2001 because data were extracted from the Form 499-Q data base at different points in time and may include amounts for filers that are not required to contribute.

Table 13
Carrier Telecommunications Revenues with Estimated Breakdowns by Type of Service:
Second Quarter 2001
(Dollar Amounts Shown in Millions)

Data from FCC Form 499-Q	Telecommunications Service Provided for Resale 1/				Telecommunications Service Provided to End Users 1/				
	Fixed Local	Mobile	Toll	Total Revenues	Fixed Local	Mobile	Toll 2/	Total Revenues	Universal Service Contribution Base 3/
Regional Bell Operating Companies	\$7,009	*	\$30	\$7,038	\$16,799	\$48	\$1,458	\$18,306	\$3,319
Other Incumbent Local Exchange Carriers (ILECs)	<u>1,931</u>	<u>1</u>	<u>13</u>	<u>1,945</u>	<u>2,127</u>	<u>8</u>	<u>130</u>	<u>2,265</u>	<u>395</u>
Total ILECs	8,940	1	43	8,984	18,926	56	1,588	20,571	3,714
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	845	*	202	1,047	1,398	2	461	1,860	498
Local Resellers	52		26	78	199	*	43	242	48
Private Service Providers	*		15	16	*		2	2	2
Shared-Tenant Service Providers	*		*	*	6	*	4	10	4
Other Local Service Providers	<u>46</u>	---	---	<u>46</u>	11	3	8	22	3
Total Local Competitors	943	*	243	1,187	1,613	5	519	2,136	555
Fixed Local Service Providers	9,883	1	286	10,170	20,539	61	2,107	22,707	4,268
Payphone Service Providers	70		1	70	113	*	33	146	9
Wireless Telephony Including Cellular, Personal Communications Service (PCS) and SMR Telephony Carriers	21	1,303	196	1,519	20	14,764	469	15,253	2,212
Paging & Messaging Service Providers	1	150	1	152	*	523	4	528	71
Specialized Mobile Radio (SMR) Dispatch	*	*	*	*	*	62	*	62	3
Wireless Data and Other Mobile Service Providers		2		2	*	28	5	33	24
Wireless Service Providers	22	1,455	196	1,674	21	15,376	479	15,877	2,311
Interexchange Carriers (IXCs)	105	*	3,515	3,620	333	156	16,296	16,786	11,841
Operator Service Providers (OSPs)	*		6	6	1	*	136	137	61
Prepaid Calling Card Providers	1		6	7	*	*	34	34	21
Satellite Service Providers		*	44	44	1	1	61	63	32
Toll Resellers	21	17	968	1,006	96	81	1,646	1,823	919
Other Toll Carriers	7	*	346	353	3	2	243	249	138
Toll Service Providers	133	17	4,885	5,035	435	240	18,417	19,093	13,012
All Filers	\$10,108	\$1,473	\$5,368	\$16,949	\$21,108	\$15,677	\$21,036	\$57,822	\$19,600

Note: Amounts may not add to totals due to rounding.

* Denotes values greater than \$0 but less than \$500,000.

1/ Telecommunications service provided for resale consists of services provided to other contributors to federal universal service support mechanisms. Service provided to firms that do not contribute directly to federal universal service support mechanisms are reported as end-user service.

2/ Unlike Table 8, toll revenues shown in Table 13 exclude revenues from calls that both originate and terminate at foreign points.

3/ The total varies from the amount used for calculating the universal service contribution factor for the fourth quarter of 2001 because data were extracted from the Form 499-Q data base at different points in time and may include amounts for filers that are not required to contribute.

Table 14
Carrier Telecommunications Revenues with Estimated Breakdowns by Type of Service:
Third Quarter 2001
(Dollar Amounts Shown in Millions)

Data from FCC Form 499-Q	Telecommunications Service Provided for Resale 1/				Telecommunications Service Provided to End Users 1/				
	Fixed Local	Mobile	Toll	Total Revenues	Fixed Local	Mobile	Toll 2/	Total Revenues	Universal Service Contribution Base 3/
Regional Bell Operating Companies	\$6,478	*	\$27	\$6,505	\$16,454	\$47	\$1,428	\$17,929	\$3,429
Other Incumbent Local Exchange Carriers (ILECs)	<u>2,100</u>	<u>1</u>	<u>15</u>	<u>2,115</u>	<u>2,615</u>	<u>10</u>	<u>160</u>	<u>2,784</u>	<u>470</u>
Total ILECs	8,578	1	42	8,621	19,068	57	1,588	20,713	3,900
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	602	*	144	746	1,307	1	431	1,740	520
Local Resellers	64		32	96	169	*	37	206	46
Private Service Providers	*		45	45	1		33	35	26
Shared-Tenant Service Providers	*		*	*	4	*	3	8	3
Other Local Service Providers	<u>50</u>	---	---	<u>50</u>	15	4	12	31	7
Total Local Competitors	716	*	221	937	1,497	6	516	2,019	602
Fixed Local Service Providers	9,294	1	263	9,558	20,565	63	2,104	22,732	4,502
Payphone Service Providers	70		1	70	165	*	48	213	35
Wireless Telephony Including Cellular, Personal Communications Service (PCS) and SMR Telephony Carriers	24	1,484	223	1,730	23	16,352	534	17,359	2,541
Paging & Messaging Service Providers	1	128	1	130	1	1,014	8	1,023	129
Specialized Mobile Radio (SMR) Dispatch	*	*	*	*	*	46	*	47	3
Wireless Data and Other Mobile Service Providers		4		4	1	65	13	78	29
Wireless Service Providers	25	1,616	223	1,865	24	17,477	555	18,057	2,703
Interexchange Carriers (IXCs)	111	*	3,733	3,845	321	151	15,716	16,189	11,450
Operator Service Providers (OSPs)	*		13	13	1	*	53	53	24
Prepaid Calling Card Providers	1		7	7	*	*	27	27	13
Satellite Service Providers		*	34	35	1	1	53	54	16
Toll Resellers	13	10	594	617	115	96	1,962	2,173	1,141
Other Toll Carriers	2	*	114	116	4	3	307	314	117
Toll Service Providers	127	10	4,495	4,633	442	251	18,118	18,811	12,663
All Filers	\$9,516	\$1,627	\$4,982	\$16,126	\$21,197	\$17,790	\$20,826	\$59,813	\$20,001

Note: Amounts may not add to totals due to rounding.

* Denotes values greater than \$0 but less than \$500,000.

- 1/ Telecommunications service provided for resale consists of services provided to other contributors to federal universal service support mechanisms. Service provided to firms that do not contribute directly to federal universal service support mechanisms are reported as end-user service.
- 2/ Unlike Table 8, toll revenues shown in Table 14 exclude revenues from calls that both originate and terminate at foreign points.
- 3/ The total varies from the amount used for calculating the universal service contribution factor for the first quarter of 2002 because data were extracted from the Form 499-Q data base at different points in time and may include amounts for filers that are not required to contribute.

Customer Response

Publication: *Telecommunications Industry Revenues: 2000*

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2. Please rate the report:	Excellent	Good	Satisfactory	Poor	No opinion
Data accuracy	()	()	()	()	()
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