



# NEWS

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## FCC RELEASES ANNUAL TELECOMMUNICATIONS INDUSTRY REVENUE REPORT

Washington, D.C. – Today, the Federal Communications Commission (FCC) released its annual summary of *Telecommunications Industry Revenues*. The report provides a general overview of the revenues of the U.S. telecommunications industry.

For 2001, the industry reported \$302 billion in telecommunications service revenues — an increase of 3% over 2000's \$293 billion. Industry sector data include:

- Revenues for the wireless industry grew more than 20% during 2001, from \$62 billion to \$75 billion.
- Revenues for competitive local telephone companies increased to \$14.8 billion, up 36% over 2000, and accounted for about 10% of the \$128 billion of local service revenues. Preliminary 2002 data show continued growth for these companies.
- Total toll service revenues declined sharply during 2001 — from \$109.6 billion to \$99.3 billion. All of the decrease came from switched toll services. Preliminary 2002 data suggest that toll service revenues are continuing to decline.
- Revenues for incumbent local exchange carriers increased to \$117.9 billion in 2001, up 1% from the previous year. Preliminary 2002 data show declining revenues for these carriers.

The report is available for reference in the FCC's Reference Information Center, Courtyard Level, 445 12th Street, SW, Washington, D.C. 20554. Copies may be purchased by calling Qualex International at (202) 863-2893. The report, including spreadsheets containing the statistical tables and figures, can also be downloaded from the **FCC-State Link** Internet site at [www.fcc.gov/ccb/stats](http://www.fcc.gov/ccb/stats).

- FCC -

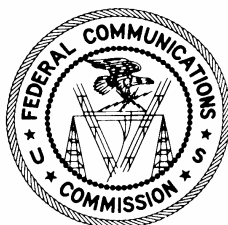
Questions can be directed to the Wireline Competition Bureau's Industry Analysis and Technology Division at (202) 418-0940. Users of TTY equipment, please call (202) 418-0484.

News about the Federal Communications Commission can also be found  
on the Commission's web site, [www.fcc.gov](http://www.fcc.gov).

# TELECOMMUNICATIONS INDUSTRY REVENUES 2001

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March 2003



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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. The last report was released January 29, 2002.<sup>1</sup> Most of the data for 2001 are taken from April 1, 2002 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. FCC Form 499-A data also are used to calculate common carrier regulatory fees. Data presented for the fourth quarter of 2001 through the second quarter of 2003 (projected) are taken from filings of **quarterly** Telecommunications Reporting Worksheets (FCC Form 499-Q).

For 2001, the industry reported \$302 billion in telecommunications service revenues — an increase of 3% over 2000's \$293 billion. Other notable statistics include:

- ✂ Revenues for the wireless industry grew more than 20% during 2001, from \$62 billion to \$75 billion.
- ✂ Revenues for competitive local telephone companies increased to \$14.8 billion, up 36% over 2000, and accounted for about 10% of the \$128 billion of local service revenues.
- ✂ Total toll service revenues declined sharply during 2001 — from \$109.6 billion to \$99.3 billion. All of the decrease came from switched toll services.
- ✂ Preliminary 2002 data suggest that toll service revenues are continuing to decline.

## FCC Form 499-A Filing Requirement

Virtually all providers of telecommunications must file FCC Form 499-A each year.<sup>2</sup> 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, 2002, but some providers filed late or updated their filing after that date. Information from filings received after November 15, 2002 and from filings that were incomplete has been excluded from year 2001 data.

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<sup>1</sup> Industry Analysis Division, Common Carrier Bureau, Federal Communications Commission, *Telecommunications Industry Revenues: 2000* (rel. January 29, 2002).

<sup>2</sup> There are certain exceptions. Providers that offer telecommunications for a fee exclusively on a non-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).<sup>3</sup> 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:<sup>4</sup>

- 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

FCC Form 499-A 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.<sup>5</sup> 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.<sup>6</sup>

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<sup>3</sup> Telecommunications providers are considered *de minimis* and thus are not required to contribute to universal service (or file FCC Form 499-Q) if their annual contributions to universal service would be less than \$10,000. For universal service contribution purposes, underlying service providers treat *de minimis* firms as end users.

<sup>4</sup> 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](http://www.fcc.gov/Forms/Form499-A/499a.pdf).

<sup>5</sup> Filers began to provide some information on uncollectible revenues starting with the February 1, 2003 FCC Form 499-Q filing. Beginning in the second quarter of 2003, contributions will be based on projected collected revenues, rather than historic billed revenues.

<sup>6</sup> 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](http://www.fcc.gov/Forms/Form499-A/499a.pdf)

FCC 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 2001. This table was created by simply aggregating the revenues in the major classifications designated on FCC Form 499-A.

**Tables 2 and 3** provide a look at annual industry revenues over time. Generally, FCC 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 \$74.7 billion in wireless service revenues for 2001. 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 \$74.6 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. Starting with 1999, revenue data come from FCC Form 499-A, which replaced both the TRS and Universal Service worksheets. Because of reporting changes, data for 1997 through 2001 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 - 2001 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 3 contains preliminary figures for 2002. These data are based on FCC Form 499-Q quarterly filings. Only universal service contributors are required to file these reports, and filers generally prepare the filings using preliminary, unaudited data. April 2003 FCC Form 499-A filings will provide more accurate and more detailed information for 2002.

**Table 4** illustrates how data from the FCC Form 499-A are used to develop funding bases for the universal service fund, North American Numbering Plan, Local Number Portability, and Telecommunications Relay Service 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 FCC Form 499-Q, *de minimis* status does not exempt service providers from filing FCC 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](http://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 FCC 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 FCC 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 10 cents for each minute of interstate and international toll calling made during 2001. The average price for each interstate domestic conversation minute was estimated at 8 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, providers of Internet Protocol (IP) telephony may originate and terminate calls on ILEC networks without paying traditional interstate access charges. Given available data, little can be done to counteract these shortfalls in our estimates.

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 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 FCC 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.

An increasing share of switched traffic either originates or terminates on wireless telephones. Some wireless minutes and some wireless revenues are included in the revenue per minute calculations. Terminating access minutes include calls that originate on a wireless telephone and terminate on a wireline telephone, but do not include any calls that terminate on wireless telephones. Switched revenues include all long distance charges that are itemized on wireless customers' bills but do not include any portion of revenues reported as wireless monthly service or airtime charges. Many interstate wireless calls are billed under "bucket of minutes" plans and have no explicit toll charges associated with them. We do not have sufficient data to assess whether inclusion of some wireless toll minutes and some wireless carrier revenues results in an upward or downward bias in the revenue per minute calculations.

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 FCC 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 Tables 5, 6, and 7 less reliable. For 2001, carriers reported \$1.5 billion more international revenues in FCC Form 499-A filings than they did in section 43.61 filings. The 43.61 international traffic data appears to be more reliable, but lacks breakouts of carrier's carrier and end-user revenues. Based on staff analysis of the FCC 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 that therefore are 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 17** present historic data from quarterly filings of FCC Form 499-Q for the fourth quarter of 2001 and for 2002. Table 12 through Table 16 each display one quarter of revenue data in a manner analogous to Table 8 -- by filer type, revenue category and type of service. These tables are distinct from Table 8 in that certain breakouts are estimated and international-to-international revenues are excluded.

Because the revenue data collected on quarterly filings of FCC Form 499-Q are far less detailed than those collected on annual FCC Form 499-A filings, it is necessary to use the annual data to allocate quarterly revenues across certain categories. Specifically, while FCC Form 499-Q asks filers to identify revenues as carrier's carrier, end-user or non-telecommunications, and to further categorize carrier's carrier and end-user revenues as interstate and international versus intrastate, the quarterly form does not require filers to associate revenues with the provision of specific types of services. Further, the quarterly form does not ask filers to state their filer type. Data from the most recent FCC Form 499-A therefore are used to allocate the quarterly data by type of service -- local, mobile or toll -- and by type of filer.

The quarterly and annual filings also differ in their treatment of international-to-international telecommunications revenues. Since such revenues are reported separately in the annual filing, it is possible to include them as a component of end-user telecommunications revenues elsewhere in this report. In the quarterly filing, international-to-international revenues are instead included as part of non-telecommunications revenues. As a result, they are not included in Tables 12 through 17.

Starting with the second quarter of 2003, universal service contributions will be based on projected collected interstate and international end-user revenues rather than on historic billed revenues. **Table 18** shows the amounts of interstate and international end-user revenues that filers reported billing for the third and fourth quarters of 2002, the amounts that they project billing for the first and second quarters of 2003, and the amounts that they project collecting for the first and second quarters. By type of filer, the table shows the percentage of billed revenues that filers project will be uncollectible.

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 FCC Form 499-A and FCC Form 499-Q worksheets. Revenue data for individual filers are not available to the public.

**Table 1**  
**Total Telecommunications Industry Revenues: 2001**  
(Dollar Amounts Shown in Millions)

	Carrier's Carrier Revenues 2/	End-User Revenues 1/ 2/	Total
Type of Service:			
Local Service 3/	\$40,108	\$87,704	\$127,812
Wireless Service	6,180	68,507	74,687
Toll Service	19,999	79,302	99,301
Total	66,287	235,513	301,800
Service Revenues Reported as:			
Intrastate	27,848	155,347	183,195
Interstate and International 4/	38,439	80,165	118,605
Total	\$66,287	\$235,513	\$301,800

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. This table excludes non-telecommunications 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 FCC 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		FCC Form 499-A Data		
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Local Exchange Pay Telephone 1/	\$39,235	\$40,176	\$42,245	\$45,194	\$48,717	\$53,771	\$59,245	\$64,940	\$69,947	\$72,346
Local Private Line 2/	1,049	1,088	1,138	1,226	1,616	8,282	10,403	12,914	16,864	21,966
Other Local 3/	7,687	8,002	8,302	10,428	10,543	2,847	2,179	2,501	3,249	3,391
Subscriber Line Charges 2/						8,327	11,052	10,826	11,563	12,127
Access 2/	29,353	30,832	32,759	33,911	35,641	21,423	18,449	18,105	17,017	15,096
Universal Service Surcharges on Local Service Bills 4/							103	260	575	1,301
Additional Revenues from TRS Worksheets						595	595			
<b>Total Local Service</b>	<b>77,324</b>	<b>80,098</b>	<b>84,443</b>	<b>90,759</b>	<b>96,516</b>	<b>97,426</b>	<b>104,563</b>	<b>111,764</b>	<b>121,147</b>	<b>127,812</b>
Wireless Service	7,285	10,237	14,293	18,759	26,049	32,760	36,240	48,117	61,505	74,006
Universal Service Surcharges on Wireless Service Bills 4/							345	379	495	681
Additional Revenues from TRS Worksheets						189	189			
<b>Total Wireless Service</b>	<b>7,285</b>	<b>10,237</b>	<b>14,293</b>	<b>18,759</b>	<b>26,049</b>	<b>32,950</b>	<b>36,775</b>	<b>48,495</b>	<b>62,000</b>	<b>74,687</b>
Operator 1/	9,465	10,772	10,539	11,170	10,975	12,002	12,205	10,049	11,406	10,389
Non-Operator Switched Toll	54,448	60,591	61,468	65,217	73,751	72,059	74,168	78,389	75,183	65,325
Long Distance Private Line	7,783	8,067	9,043	9,719	10,665	10,504	11,952	13,169	16,189	16,402
Other Long Distance	4,048	3,095	3,428	3,523	4,299	4,695	3,386	3,656	3,372	3,259
Universal Service Surcharges on Toll Service Bills 4/							1,810	2,983	3,467	3,927
Additional Revenues from TRS Worksheets						1,532	1,532			
<b>Total Toll Service</b>	<b>75,744</b>	<b>82,525</b>	<b>84,478</b>	<b>89,629</b>	<b>99,691</b>	<b>100,793</b>	<b>105,055</b>	<b>108,246</b>	<b>109,615</b>	<b>99,301</b>
Non-Telecommunications Formerly Reported as Other Local and Wireless 3/	(6,944)	(7,518)	(8,324)	(9,071)	(10,474)					
<b>Total Telecommunications 3/</b>	<b>153,409</b>	<b>165,342</b>	<b>174,890</b>	<b>190,076</b>	<b>211,782</b>	<b>231,168</b>	<b>246,392</b>	<b>268,505</b>	<b>292,762</b>	<b>301,799</b>
Non-Telecommunications 3/	6,944	7,518	8,324	9,071	10,474	25,633	27,944	33,144	42,261	48,036
<b>Total Reported Revenues</b>	<b>160,353</b>	<b>172,860</b>	<b>183,214</b>	<b>199,147</b>	<b>222,256</b>	<b>256,801</b>	<b>272,019</b>	<b>301,648</b>	<b>335,023</b>	<b>349,835</b>
Service Reported as:										
Intrastate 3/	82,379	89,409	94,278	103,852	117,375	133,654	142,108	157,212	173,018	183,195
Interstate and International	71,030	75,933	80,611	86,224	94,407	97,514	104,284	111,293	119,745	118,605
<b>Total Telecommunications 3/</b>	<b>\$153,409</b>	<b>\$165,342</b>	<b>\$174,890</b>	<b>\$190,076</b>	<b>\$211,782</b>	<b>\$231,168</b>	<b>\$246,392</b>	<b>\$268,505</b>	<b>\$292,762</b>	<b>\$301,800</b>

See notes on next page.

## Notes for Table 2.

Note: Detail may not add to totals due to rounding. Some data for prior years have been revised.

- 1/ TRS filers generally reported pay telephone revenues as local service revenues, access revenues or operator toll revenues. The Universal Service and FCC 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		FCC Form 499-A Data			499-Q Preliminary
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002 4/
Incumbent Local Exchange Carriers 2/	\$91,584	\$95,228	\$98,431	\$102,820	\$107,905	\$105,154	\$108,234	\$112,216	\$116,158	\$117,885	\$109,517
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	69	191	281	623	1,011	1,919	3,348	5,652	9,814	12,998	16,603
Local Resellers						206	410	511	879	1,393	1,488
Other Local Exchange Carriers						157	36	171	11	329	356
Private Carriers						112	147	87	39	15	27
Shared-Tenant Service Providers						87	93	87	202	46	39
Competitors of ILECs	69	191	281	623	1,011	2,481	4,034	6,508	10,945	14,781	18,512
Fixed Local Service Providers	91,835	95,595	99,011	103,792	109,273	107,634	112,268	118,725	127,103	132,666	128,030
Payphone Providers	183	175	300	349	357	933	1,101	1,213	972	836	201
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	71,887	81,948
Paging & Messaging Service 2/						2,861	3,161	3,232	3,102	2,197	1,215
Specialized Mobile Radio (SMR) Dispatch								186	191		211
Wireless Data Service Providers								63	36	214	217
Other Mobile Service Providers	670	964	938	1,419	2,121	225	731	159	128	110	361
Wireless Service Providers	7,387	10,179	14,197	18,627	25,900	33,030	37,032	50,152	63,280	74,596	83,952
Interexchange Carriers (IXCs)	57,341	61,118	66,381	70,938	79,057	79,080	83,443	87,570	87,311	81,272	69,905
Operator Service Providers (OSPs)	558	695	536	500	461	603	590	337	635	611	564
Prepaid Calling Card Providers				16	238	519	888	866	727	133	72
Satellite Service Providers						1,011	475	280	336	373	381
Toll Resellers	1,293	1,869	2,840	4,220	6,564	8,010	9,885	9,211	10,641	8,797	9,073
Other Toll Carriers	2,186	711	709	773	577	348	710	150	1,758	2,516	2,189
Toll Service Providers	61,378	64,393	70,466	76,447	86,896	89,570	95,992	98,414	101,407	93,702	82,184
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	0	0
<b>Total Telecommunications Revenues</b>	<b>\$153,409</b>	<b>\$165,342</b>	<b>\$174,890</b>	<b>\$190,076</b>	<b>\$211,782</b>	<b>\$231,168</b>	<b>\$246,392</b>	<b>\$268,505</b>	<b>\$292,762</b>	<b>\$301,799</b>	<b>\$294,367</b>

- 1/ Filers are asked to select for themselves a service provider category that best describes their operations. The choices have changed over the years. For example, most satellite service providers identified themselves as other toll carriers in their 1997 FCC Form 431 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 ARMIS as miscellaneous and nonregulated revenues (currently account 5200 + account 5280) and 10% of amounts reported as mobile service revenues.
- 3/ Other adjustments include some amounts withheld to preserve confidentiality and revisions made after the initial publication of the data.
- 4/ Preliminary 2002 data were taken from FCC Form 499-Q filings. As a result, the totals do not include toll revenues for calls that both originate and terminate in foreign points. In addition, the totals do not include revenues for most entities that are exempt from contributing to universal service support mechanisms. The quarterly rollups, however, may include some revenues that have been estimated by the filers or by the Data Collection Agent or that were not categorized properly. For 2001, the FCC Form 499-A filings included about a billion dollars more revenue than did the roll-ups of the quarterly filings, representing a 0.3% variance. Variances by carrier type were greater.

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

**Table 4**  
**Contribution Base Revenues By Program 1/: 2001**  
**(Dollar Amounts Shown in Millions)**

	<b>2001</b>
<b>Revenues subject to universal service contribution</b>	
Interstate and international end-user revenues	\$80,165
less revenue for international - to - international service	924
less international revenues of subject filers that were excluded because interstate toll represented less than 8% of combined interstate and international revenues	488
less interstate and other international revenues for 2,770 filers who are <i>de minimis</i> or otherwise exempt from universal service support requirements	<u>292</u>
equals	\$78,461
<b>Revenues subject to TRS contribution</b>	
Interstate and international end-user revenues	\$80,165
less interstate and international revenues for 304 filers who claim to be exempt from interstate telecommunications relay service (TRS) contribution requirements	158
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	<u>48</u>
equals	\$79,959
<b>Revenues subject to NANPA contribution</b>	
Total telecommunications service end-user revenues (including intrastate, interstate and international)	\$235,513
less telecommunications revenues for 539 filers who claim to be exempt from North American Numbering Plan Administration (NANPA) contribution requirements	581
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>58</u>
equals	\$234,874
<b>Revenues subject to LNP contribution</b>	
Total telecommunications service end-user revenues (including intrastate, interstate and international)	\$235,513
less telecommunications revenues for 529 filers who claim to be exempt from local number portability administration (LNP) contribution requirements	548
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>58</u>
equals	\$234,907

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 FCC Form 499-A database as of November 15, 2002. The universal service administrator continues to receive additional and corrected filings. Exempt amounts were based on revenues and the filer certification statement contained in the FCC 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 FCC Form 499-Q filings. FCC 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/: 2001**  
(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	\$2,230	\$6		\$2,236	\$78	\$18	*	\$97
b Provided under other arrangements	<u>1,985</u>	<u>803</u>		<u>2,788</u>	<u>137</u>	<u>123</u>	*	<u>260</u>
Total Line 303	4,215	809		5,024	215	141	1	356
304 Per-minute charges for originating or terminating calls								
a Provided under state or federal access tariff	3,001	1,779		4,780	2,704	1,838	7	4,549
b Provided as unbundled network elements or other contract arrangement	<u>1,887</u>	<u>1,958</u>		<u>3,844</u>	<u>101</u>	<u>53</u>	*	<u>155</u>
Total Line 304	4,888	3,737		8,624	2,806	1,891	8	4,704
305 Local private line & special access	870	9,418		10,288	219	871	*	1,090
306 Payphone compensation from toll carriers	117	89		207	5	17	*	22
307 Other local telecommunications service revenues	1,298	171		1,468	31	11	*	42
308 Universal service support revenue received from federal or state sources	382	1,055		1,436	607	1,237	*	1,844
Total fixed local service provided for resale	11,768	15,279		27,047	3,882	4,168	9	8,058
<i>Mobile service (including wireless telephony, paging &amp; messaging, and other mobile services)</i>								
309 Monthly, activation, and message charges except toll	198			198	6	2		8
Total mobile service provided for resale	198			198	6	2		8
<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)	84	1		85	12	5	*	17
312 Long distance private line services	32			32	9	3		11
313 Satellite services								
314 All other long distance services	9	1		10	19	2	*	21
Total toll service provided for resale	125	2		128	40	10	*	50
Total service provided for resale (carrier's carrier)	\$12,092	\$15,281		\$27,373	\$3,928	\$4,180	\$9	\$8,116

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 5**  
**Revenues from Telecommunications Service Provided for Resale 1/: 2001**  
**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	\$74	\$142	\$1	\$217	*			*
b Provided under other arrangements	<u>157</u>	<u>2</u>	*	<u>159</u>				
Total Line 303	230	144	2	376	*			*
304 Per-minute charges for originating or terminating calls								
a Provided under state or federal access tariff	725	549	4	1,278	*	*		*
b Provided as unbundled network elements or other contract arrangement	<u>275</u>	<u>21</u>	*	<u>296</u>				
Total Line 304	1,000	569	4	1,573	*	*		*
305 Local private line & special access	960	742	*	1,702	1	*	*	1
306 Payphone compensation from toll carriers	3	3		6	137	91	2	230
307 Other local telecommunications service revenues	208	330		538	14	2	*	16
308 Universal service support revenue received from federal or state sources	6	*	*	6				
Total fixed local service provided for resale	2,407	1,788	6	4,201	152	93	3	247
<i>Mobile service (including wireless telephony, paging &amp; messaging, and other mobile services)</i>								
309 Monthly, activation, and message charges except toll	*			*				
Total mobile service provided for resale	*			*				
<i>Toll service</i>								
310 Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.)	27	*	*	27	1	*	*	2
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)	45	137	34	215	*	*	*	*
312 Long distance private line services	131	479	52	662				
313 Satellite services								
314 All other long distance services	4	24	*	28				
Total toll service provided for resale	206	640	86	932	2	1	*	2
Total service provided for resale (carrier's carrier)	\$2,613	\$2,428	\$92	\$5,133	\$154	\$93	\$3	\$250

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 5**  
**Revenues from Telecommunications Service Provided for Resale 1/: 2001**  
**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 IXCs								
a Provided as unbundled network elements	\$6	*		\$7				
b Provided under other arrangements		*		*	*			*
Total Line 303	6	*		7	*			*
304 Per-minute charges for originating or terminating calls								
a Provided under state or federal access tariff	*	*		*	1	1	*	1
b Provided as unbundled network elements or other contract arrangement	36	3		39	1	*		1
Total Line 304	36	3		39	2	1	*	3
305 Local private line & special access	11	*		11				
306 Payphone compensation from toll carriers	*	*		*	*	*		*
307 Other local telecommunications service revenues	*			*	*	1		1
308 Universal service support revenue received from federal or state sources	9	*		9	*			*
Total fixed local service provided for resale	63	4		66	3	1	*	4
<i>Mobile service (including wireless telephony, paging &amp; messaging, and other mobile services)</i>								
309 Monthly, activation, and message charges except toll	4,975	440	14	5,429	329	90		418
Total mobile service provided for resale	4,975	440	14	5,429	329	90		418
<i>Toll service</i>								
310 Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.)	5	*	*	5	*			*
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)	561	208	5	775	2	*	*	2
312 Long distance private line services	*	1	*	1				
313 Satellite services						*		*
314 All other long distance services	*	*	*	1				
Total toll service provided for resale	566	209	6	781	2	*	*	2
Total service provided for resale (carrier's carrier)	\$5,603	\$654	\$19	\$6,276	\$333	\$91	*	\$425

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 5**  
**Revenues from Telecommunications Service Provided for Resale 1/: 2001**  
**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	\$21	\$2	\$2	\$25	\$2,409	\$168	\$4	\$2,582
b Provided under other arrangements	<u>92</u>	<u>8</u>		<u>100</u>	<u>2,370</u>	<u>937</u>	*	<u>3,307</u>
Total Line 303	113	10	2	126	4,780	1,105	4	5,889
304 Per-minute charges for originating or terminating calls								
a Provided under state or federal access tariff	86	31	1	118	6,517	4,197	12	10,727
b Provided as unbundled network elements or other contract arrangement	<u>26</u>	<u>7</u>	1	<u>35</u>	<u>2,326</u>	<u>2,041</u>	<u>2</u>	<u>4,369</u>
Total Line 304	113	38	2	153	8,844	6,238	14	15,096
305 Local private line & special access	54	69	1	125	2,114	11,101	1	13,217
306 Payphone compensation from toll carriers	2	36	*	38	265	236	2	503
307 Other local telecommunications service revenues	27	2	1	30	1,579	515	1	2,095
308 Universal service support revenue received from federal or state sources	14	*		14	1,017	2,292	*	3,309
Total fixed local service provided for resale	323	155	6	484	18,598	21,488	23	40,108
<i>Mobile service (including wireless telephony, paging &amp; messaging, and other mobile services)</i>								
309 Monthly, activation, and message charges except toll	104	23	*	127	5,611	555	14	6,180
Total mobile service provided for resale	104	23	*	127	5,611	555	14	6,180
<i>Toll service</i>								
310 Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.)	32	340	723	1,095	66	341	723	1,131
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)	1,898	4,214	5,889	12,000	2,601	4,565	5,928	13,094
312 Long distance private line services	670	2,737	1,251	4,658	842	3,219	1,303	5,364
313 Satellite services	15	67	9	91	15	67	9	91
314 All other long distance services	82	117	60	259	114	144	60	318
Total toll service provided for resale	2,697	7,474	7,931	18,103	3,639	8,336	8,023	19,999
Total service provided for resale (carrier's carrier)	\$3,124	\$7,652	\$7,938	\$18,714	\$27,848	\$30,379	\$8,060	\$66,287

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: 2001**  
(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	\$49,096	\$79		\$49,175	\$7,283	\$7		\$7,290
405 PICC charges levied by a local exchange carrier on a no-PIC customer and tariffed subscriber line charges	271	9,734		10,005	56	1,511	*	1,568
Total local exchange (Line 404 + Line 405)	49,367	9,814		59,181	7,340	1,518	*	8,858
406 Local private line and special access service	2,690	2,690		5,380	333	82		415
407 Payphone coin revenues	505	1		506	38	*	*	38
408 Other local telecommunications service revenues	936	39		975	93	4	*	96
Line 403 surcharges on fixed local service 1/	186	827		1,013	21	64		85
Total fixed local service provided to end users	53,683	13,370		67,053	7,824	1,668	*	9,492
<u>Mobile service (including wireless telephony, paging &amp; messaging, and other mobile services)</u>								
409 Monthly and activation charges	45			45	25	3		28
410 Message charges including roaming, but excluding toll charges	91			91	10	1		12
Line 403 surcharges on mobile service 1/	*			*	*	*		*
Total mobile service provided to end users	136			136	35	4		40
<u>Toll service</u>								
411 Prepaid calling card (including card sales to customers and non-carrier distributors) reported at face value of cards	3	*		3	*	*	*	1
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	157	3		160	21	1	*	22
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)	3,798	113		3,911	444	27	3	474
415 Long distance private line services	904	8		911	114	5	*	119
416 Satellite services					*			*
417 All other long distance services	36	1		37	19	1	*	20
Line 403 surcharges on toll service 1/	8	8		16	1	1	*	2
Total toll service provided to end users	4,905	133		5,038	600	34	4	638
Total telecommunications service provided to end users	\$58,724	\$13,503		\$72,227	\$8,459	\$1,706	\$4	\$10,169

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: 2001**

Continued  
(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	\$3,929	\$285	\$3	\$4,218	*	*		*
405 PICC charges levied by a local exchange carrier on a no-PIC customer and tariffed subscriber line charges	4	375		379		*		*
Total local exchange (Line 404 + Line 405)	3,933	660	3	4,596	*	*		*
406 Local private line and special access service	1,791	1,089	*	2,880	2	*	*	2
407 Payphone coin revenues	1	*		1	444	26	*	471
408 Other local telecommunications service revenues	121	45	*	166	*	*	*	*
Line 403 surcharges on fixed local service 1/	135	45	*	180	*	*	*	*
Total fixed local service provided to end users	5,981	1,839	3	7,823	447	26	*	474
<i>Mobile service (including wireless telephony, paging &amp; messaging, and other mobile services)</i>								
409 Monthly and activation charges	10	1	*	11	*	*		*
410 Message charges including roaming, but excluding toll charges	2	*	*	2				
Line 403 surcharges on mobile service 1/	*	*		*				
Total mobile service provided to end users	12	1	*	13	*	*		*
<i>Toll service</i>								
411 Prepaid calling card (including card sales to customers and non-carrier distributors) reported at face value of cards	1	3	1	5	1	2	*	2
412 International calls that both originate and terminate in foreign points			4	4				
413 Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.) other than revenues reported on Line 412	33	27	5	64	96	12	*	109
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)	510	593	102	1,206	*	*		*
415 Long distance private line services	79	320	11	410				
416 Satellite services								
417 All other long distance services	24	40	7	71	*	1		1
Line 403 surcharges on toll service 1/	11	37	4	51		*		*
Total toll service provided to end users	657	1,020	134	1,811	97	15	*	112
Total telecommunications service provided to end users	\$6,650	\$2,860	\$137	\$9,647	\$544	\$41	\$1	\$586

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: 2001**

Continued  
(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
<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	\$2	*	\$50	\$4	*		\$5
405 PICC charges levied by a local exchange carrier on a no-PIC customer and tariffed subscriber line charges	_____	<u>2</u>		<u>2</u>	_____	_____*	_____	_____*
Total local exchange (Line 404 + Line 405)	48	4	*	52	4	*		5
406 Local private line and special access service	11	*		11	4	19		23
407 Payphone coin revenues	*	*		*	1	*		1
408 Other local telecommunications service revenues	3	*		3	4	*	*	4
Line 403 surcharges on fixed local service 1/	*	*		*	*	1		1
Total fixed local service provided to end users	62	4	*	66	13	20	*	34
<u>Mobile service (including wireless telephony, paging &amp; messaging, and other mobile services)</u>								
409 Monthly and activation charges	30,130	4,582	113	34,824	1,492	259	2	1,753
410 Message charges including roaming, but excluding toll charges	24,649	4,048	48	28,745	340	86	4	429
Line 403 surcharges on mobile service 1/	516	95	2	613	22	15	*	37
Total mobile service provided to end users	55,295	8,726	162	64,183	1,853	359	6	2,219
<u>Toll service</u>								
411 Prepaid calling card (including card sales to customers and non-carrier distributors) reported at face value of cards	24	4	*	28	*	*		*
412 International calls that both originate and terminate in foreign points			7	7			1	1
413 Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.) other than revenues reported on Line 412	18	4	1	24	*	1	*	1
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)	849	232	18	1,099	8	6	*	14
415 Long distance private line services	2	*	*	2	2	1		3
416 Satellite services						3		3
417 All other long distance services	169	18	1	187	2	8		11
Line 403 surcharges on toll service 1/	12	3	*	16	*	1	*	1
Total toll service provided to end users	1,073	262	28	1,362	13	19	1	33
Total telecommunications service provided to end users	\$56,430	\$8,991	\$190	\$65,611	\$1,879	\$398	\$7	\$2,285

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: 2001**

Continued  
(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	\$2,387	\$22	\$2	\$2,411	\$62,748	\$395	\$5	\$63,148
405 PICC charges levied by a local exchange carrier on a no-PIC customer and tariffed subscriber line charges	*	174		174	332	11,796	*	12,127
Total local exchange (Line 404 + Line 405)	2,387	196	2	2,585	63,080	12,191	5	75,275
406 Local private line and special access service	21	17	*	38	4,852	3,898	*	8,749
407 Payphone coin revenues	33	32	1	66	1,022	59	1	1,082
408 Other local telecommunications service revenues	44	7	*	52	1,201	95	*	1,296
Line 403 surcharges on fixed local service 1/	7	14	*	22	349	952	*	1,301
Total fixed local service provided to end users	2,492	266	3	2,762	70,503	17,194	7	87,704
<u>Mobile service (including wireless telephony, paging &amp; messaging, and other mobile services)</u>								
409 Monthly and activation charges	1,139	192	*	1,331	32,840	5,036	115	37,991
410 Message charges including roaming, but excluding toll charges	472	85	*	557	25,563	4,221	52	29,835
Line 403 surcharges on mobile service 1/	12	18	*	30	551	129	2	681
Total mobile service provided to end users	1,623	295	*	1,918	58,953	9,385	169	68,507
<u>Toll service</u>								
411 Prepaid calling card (including card sales to customers and non-carrier distributors) reported at face value of cards	204	365	370	939	233	374	371	978
412 International calls that both originate and terminate in foreign points			912	912			924	924
413 Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.) other than revenues reported on Line 412	2,296	3,315	1,366	6,977	2,621	3,363	1,373	7,356
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)	13,752	24,997	6,779	45,528	19,360	25,967	6,903	52,230
415 Long distance private line services	1,423	6,814	1,356	9,593	2,523	7,147	1,367	11,038
416 Satellite services	26	121	168	316	26	124	168	318
417 All other long distance services	694	1,278	232	2,204	945	1,346	240	2,531
Line 403 surcharges on toll service 1/	151	3,528	162	3,841	183	3,577	166	3,927
Total toll service provided to end users	18,546	40,418	11,345	70,308	25,891	41,899	11,512	79,302
Total telecommunications service provided to end users	\$22,660	\$40,979	\$11,348	\$74,987	\$155,347	\$68,478	\$11,687	\$235,513

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: 2001**  
(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/]	\$64,829	\$28,559		\$93,388	\$11,663	\$5,818	\$9	\$17,490
Payphone [Lines 306 and 407]	622	90		712	43	17	*	60
Mobile service [Lines 309, 409, 410, and a portion of 403 1/]	334			334	41	6		48
Toll service [Lines 310, 311, 312, 313, 314, 411, 412, 413, 414, 415, 416, 417, and a portion of 403 1/]	5,031	135		5,165	640	44	4	688
Total telecommunications service revenues	70,816	28,784		99,600	12,387	5,886	12	18,286
Total telecommunications service provided for resale (from Table 1.5)	12,092	15,281		27,373	3,928	4,180	9	8,116
Total telecommunications service provided to end users (from Table 1.6)	<u>58,724</u>	<u>13,503</u>		<u>72,227</u>	<u>8,459</u>	<u>1,706</u>	<u>4</u>	<u>10,169</u>
Total telecommunications service revenues	70,816	28,784		99,600	12,387	5,886	12	18,286
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	---	---	---	11,082	---	---	---	2,806
419 Gross billed revenues from all sources	---	---	---	\$110,682	---	---	---	\$21,092

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: 2001**  
Continued  
(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/]	\$8,384	\$3,625	\$9	\$12,017	\$18	\$2	*	\$20
Payphone [Lines 306 and 407]	4	3		7	582	117	2	701
Mobile service [Lines 309, 409, 410, and a portion of 403 1/]	12	1	*	13	*	*		*
Toll service [Lines 310, 311, 312, 313, 314, 411, 412, 413, 414, 415, 416, 417, and a portion of 403 1/]	864	1,659	220	2,744	99	16	*	115
Total telecommunications service revenues	9,263	5,288	229	14,781	698	134	3	836
Total telecommunications service provided for resale (from Table 1.5)	2,613	2,428	92	5,133	154	93	3	250
Total telecommunications service provided to end users (from Table 1.6)	<u>6,650</u>	<u>2,860</u>	137	<u>9,647</u>	<u>544</u>	<u>41</u>	<u>1</u>	<u>586</u>
Total telecommunications service revenues	9,263	5,288	229	14,781	698	134	3	836
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	---	---	---	3,653	---	---	---	36
419 Gross billed revenues from all sources	---	---	---	\$18,433	---	---	---	\$872

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: 2001**  
Continued  
(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/]	\$125	\$8	*	\$132	\$15	\$22	*	\$37
Payphone [Lines 306 and 407]	*	*		*	1	*		1
Mobile service [Lines 309, 409, 410, and a portion of 403 1/]	60,269	9,166	176	69,611	2,182	449	6	2,637
Toll service [Lines 310, 311, 312, 313, 314, 411, 412, 413, 414, 415, 416, 417, and a portion of 403 1/]	1,639	471	33	2,143	15	19	1	35
Total telecommunications service revenues	62,033	9,645	209	71,887	2,213	490	7	2,710
Total telecommunications service provided for resale (from Table 1.5)	5,603	654	19	6,276	333	91	*	425
Total telecommunications service provided to end users (from Table 1.6)	<u>56,430</u>	<u>8,991</u>	190	<u>65,611</u>	<u>1,879</u>	<u>398</u>	7	<u>2,285</u>
Total telecommunications service revenues	62,033	9,645	209	71,887	2,213	490	7	2,710
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	---	---	---	12,593	---	---	---	963
419 Gross billed revenues from all sources	---	---	---	\$84,480	---	---	---	\$3,673

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: 2001**  
Continued  
(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/]	\$2,780	\$354	\$8	\$3,142	\$87,814	\$38,387	\$26	\$126,227
Payphone [Lines 306 and 407]	35	68	1	104	1,287	295	4	1,585
Mobile service [Lines 309, 409, 410, and a portion of 403 1/]	1,726	318	*	2,045	64,564	9,940	182	74,687
Toll service [Lines 310, 311, 312, 313, 314, 411, 412, 413, 414, 415, 416, 417, and a portion of 403 1/]	21,243	47,892	19,276	88,411	29,530	50,236	19,535	99,301
Total telecommunications service revenues	25,785	48,631	19,286	93,702	183,195	98,858	19,747	301,800
Total telecommunications service provided for resale (from Table 1.5)	3,124	7,652	7,938	18,714	27,848	30,379	8,060	66,287
Total telecommunications service provided to end users (from Table 1.6)	<u>22,660</u>	<u>40,979</u>	11,348	<u>74,987</u>	<u>155,347</u>	<u>68,478</u>	<u>11,687</u>	<u>235,513</u>
Total telecommunications service revenues	25,785	48,631	19,286	93,702	183,195	98,858	19,747	301,800
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	---	---	---	16,903	---	---	---	48,036
419 Gross billed revenues from all sources	---	---	---	\$110,605	---	---	---	\$349,836

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: 2001**  
(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	\$27,047	\$198	\$128	\$27,373	\$67,053	\$136	\$5,037	\$72,226
Other Incumbent Local Exchange Carriers (ILECs)	<u>8,058</u>	<u>8</u>	<u>50</u>	<u>8,116</u>	<u>9,492</u>	<u>40</u>	<u>638</u>	<u>10,169</u>
Total ILECs	35,105	206	178	35,489	76,546	175	5,675	82,396
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	3,720	*	801	4,522	6,909	7	1,560	8,476
Local Resellers	221	*	90	310	856	1	226	1,083
Private Service Providers	2		4	6	5	1	4	9
Shared-Tenant Service Providers	3		*	3	25	*	18	43
Other Local Service Providers	<u>256</u>	<u>—</u>	<u>37</u>	<u>292</u>	29	4	4	37
Total Local Competitors	4,201	*	932	5,133	7,823	13	1,811	9,647
Fixed Local Service Providers	39,306	206	1,110	40,623	84,369	188	7,486	92,043
Payphone Service Providers	247		2	250	474	*	112	586
Wireless Telephony Including Cellular, Personal Communications Service (PCS) and SMR Telephony Carriers	66	5,428	781	6,276	66	64,183	1,362	65,611
Paging & Messaging Service Providers	3	416	2	421	4	1,764	8	1,776
Specialized Mobile Radio (SMR) Dispatch					1	184	3	188
Wireless Data and Other Mobile Service Providers	1	2		3	28	271	21	321
Wireless Service Providers	70	5,847	783	6,701	100	66,401	1,395	67,896
Interexchange Carriers (IXCs)	353	*	15,279	15,632	2,182	918	62,539	65,639
Operator Service Providers (OSPs)	2		26	27	5		579	583
Prepaid Calling Card Providers	*		1	1	*	*	132	132
Satellite Service Providers		7	39	46		8	320	327
Toll Resellers	55	120	939	1,114	327	978	6,378	7,683
Other Toll Carriers	75	*	1,819	1,894	248	14	361	622
Toll Service Providers	484	127	18,103	18,714	2,761	1,918	70,308	74,987
All Filers	\$40,108	\$6,180	\$19,998	\$66,287	\$87,704	\$68,507	\$79,302	\$235,513

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: 2001**  
**Continued**  
**(Dollar Amounts Shown in Millions)**

Data from FCC Form 499-A	Universal Service Contribution Base Revenues 1/ 2/	Telecommunications Service Revenues					Other Revenues 3/	Total
		Intrastate	Interstate	International to International	Other International	Total		
Regional Bell Operating Companies	\$13,503	\$70,816	\$28,784			\$99,599	\$11,082	\$110,682
Other Incumbent Local Exchange Carriers (ILECs)	<u>1,710</u>	<u>12,387</u>	<u>5,886</u>	—	<u>12</u>	<u>18,286</u>	<u>2,806</u>	<u>21,092</u>
Total ILECs	15,213	83,203	34,670		12	117,885	13,889	131,774
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	2,750	8,083	4,729	1	185	12,998	2,181	15,179
Local Resellers	219	1,073	286	4	30	1,393	1,194	2,586
Private Service Providers	3	7	6		1	15	*	15
Shared-Tenant Service Providers	16	30	10		6	46	41	87
Other Local Service Providers	<u>6</u>	<u>70</u>	<u>256</u>	—	<u>3</u>	<u>329</u>	<u>236</u>	<u>565</u>
Total Local Competitors	2,993	9,263	5,288	4	225	14,781	3,653	18,433
Fixed Local Service Providers	18,206	92,466	39,958	4	237	132,666	17,541	150,207
Payphone Service Providers	42	698	134		3	836	36	872
Wireless Telephony Including Cellular, Personal Communications Service (PCS) and SMR Telephony Carriers	9,174	62,033	9,644	7	202	71,887	12,593	84,480
Paging & Messaging Service Providers	250	1,857	339		2	2,197	768	2,966
Specialized Mobile Radio (SMR) Dispatch	14	173	14		*	188	65	253
Wireless Data and Other Mobile Service Providers	140	182	137	1	5	324	130	454
Wireless Service Providers	9,578	64,246	10,134	8	208	74,596	13,556	88,152
Interexchange Carriers (IXCs)	46,360	21,086	44,257	830	15,099	81,272	9,401	90,672
Operator Service Providers (OSPs)	260	329	227		54	611	110	720
Prepaid Calling Card Providers	110	22	40		72	133	35	168
Satellite Service Providers	267	26	159	37	151	373	5,505	5,878
Toll Resellers	4,100	3,866	3,233	41	1,657	8,797	1,146	9,942
Other Toll Carriers	318	456	715	4	1,341	2,516	707	3,223
Toll Service Providers	51,415	25,785	48,631	912	18,374	93,702	16,903	110,605
All Filers	\$79,241	\$183,195	\$98,858	\$924	\$18,823	\$301,799	\$48,036	\$349,835

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 and are subject to contribution requirements.
- 2/ Universal service contribution base revenues consist of all interstate and international end-user telecommunications revenues except for international-to-international revenues reported on Line 412. The totals include revenues from filers who are *de minimis* or otherwise exempt from contributing. This table also includes international revenues that were exempt from contribution because of the 8 percent rule. See Table 4 for details on exempt amounts.
- 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	2001
Interstate operator service revenues 1/	\$7,213	\$7,052	\$6,561	\$6,878	\$6,454	\$7,113	\$6,971	\$5,747	\$6,603	\$5,480
+ Other interstate switched toll revenues 2/	\$32,217	\$36,477	\$38,843	\$42,139	\$47,865	\$42,075	\$42,620	\$45,026	\$38,753	\$32,870
+ International-to-international toll revenues 3/	\$74	\$111	\$166	\$249	\$374	\$561	\$1,121	\$983	\$1,087	\$924
+ Charges on bills identified as USF contributions 4/							\$878	\$2,213	\$2,830	\$2,945
+ PICC pass-through reported as SLC revenues 5/							\$1,208	\$0	\$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.	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	\$42,219
- International-to-international toll revenues 3/	\$74	\$111	\$166	\$249	\$374	\$561	\$1,121	\$983	\$1,087	\$924
= 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	\$41,295
- End-user international MTS revenues 6/	\$10,382	\$11,564	\$12,543	\$14,335	\$14,598	\$15,661	\$14,726	\$14,980	\$14,909	\$11,386
- International reoriginating revenues 13/	\$0	\$0	\$0	\$28	\$43	\$248	\$287	\$370	\$430	\$712
- International-to-international toll revenues 3/	\$48	\$140	\$166	\$249	\$374	\$561	\$1,121	\$983	\$1,087	\$924
= International revenues for U.S. end users	\$10,335	\$11,424	\$12,377	\$14,058	\$14,180	\$14,853	\$13,318	\$13,627	\$13,391	\$9,749
Total end-user switched toll revenues	\$38,765	\$42,528	\$44,153	\$46,435	\$50,107	\$49,325	\$52,797	\$53,969	\$49,273	\$42,219
- End-user international MTS revenues 6/	\$10,382	\$11,564	\$12,543	\$14,335	\$14,598	\$15,661	\$14,726	\$14,980	\$14,909	\$11,386
= Interstate domestic switched end-user revenues	\$28,383	\$30,965	\$31,610	\$32,100	\$35,509	\$33,664	\$38,071	\$39,507	\$34,364	\$30,834
U.S. billed international minutes	10,294	11,513	13,616	15,889	19,325	22,753	24,250	28,515	29,216	33,280
- Country-direct/beyond minutes 9/	100	294	350	500	728	1,053	933	1,736	1,935	1,330
- Reoriginating minutes 13/	0	0	0	5	26	98	532	802	1,412	4,414
= 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	25,978	25,869	27,536
ILEC originating interstate access minutes 7/	154,375	157,114	162,043	169,236	173,300	181,900	184,000	208,267	204,154	194,464
+ Estimated CLEC originating minutes 8/	309	432	580	1,218	1,816	4,118	6,452	12,079	18,034	22,787
- U.S. billed international minutes excluding country-direct/beyond and reoriginating 9/	10,194	11,219	13,266	15,384	18,571	21,602	22,785	25,978	25,869	27,536
= Domestic originating access minutes	144,490	146,327	149,357	155,071	156,545	164,416	167,667	194,369	196,319	189,715
ILEC terminating interstate access minutes 7/	195,374	214,126	239,360	262,712	292,800	315,400	334,800	344,465	363,295	345,306
+ Estimated CLEC terminating minutes 8/	391	589	856	1,891	3,068	7,141	11,739	20,757	32,092	40,463
- Country-direct/beyond international settlement minutes 9/	100	294	350	500	728	1,053	933	1,736	1,935	1,330
Foreign billed international settlement minutes 10/	5,248	5,678	6,385	7,121	8,291	9,107	10,208	10,765	12,719	12,719
= Domestic terminating access minutes	190,417	208,743	233,481	256,982	286,849	312,381	335,398	352,721	380,734	371,720
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	406,603	399,256
International conversation minutes 9/	10,194	11,219	13,266	15,384	18,571	21,602	22,785	25,016	25,869	27,536
Interstate domestic conversation minutes	190,417	208,743	233,481	256,982	286,849	312,381	335,398	352,147	380,734	371,720
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	\$0.10
International conversation minute 12/	\$1.01	\$1.02	\$0.93	\$0.91	\$0.76	\$0.69	\$0.58	\$0.54	\$0.52	\$0.35
Interstate domestic conversation minute	\$0.15	\$0.15	\$0.14	\$0.12	\$0.12	\$0.11	\$0.11	\$0.11	\$0.09	\$0.08

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 1996 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. Preliminary figures are used for year 2000 and 2001. 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 Table 9.7 of *Trends in Telephone Service*. The 1992 percentage is based on a trend derived from following year data. The 2001 percentage is preliminary.

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Local service competitors share of local revenues	0.2%	0.3%	0.4%	0.7%	1.0%	2.3%	3.5%	5.8%	8.8%	11.7%

- 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.
- 13/ Reorigination traffic originates and terminates outside of the United States. U.S. carriers receive settlement like payments for this service which are reported as U.S. Billed revenues in 43.61 reports. For FCC Form 499 reporting these amounts are treated as settlements and not reported as revenues. Reorigination data are taken from Table 3 in *Trends in the U.S. International Telecommunications Industry* and from *Section 43.61 International Telecommunications Data*.

**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	2001
Minutes data from 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	194,464
Originating minutes of international traffic	10,194	11,219	13,266	15,384	18,571	21,602	22,785	25,978	25,869	27,536
Domestic originating access minutes	144,490	146,327	149,357	155,071	156,545	164,416	167,667	194,369	196,319	189,715
ILEC Terminating interstate access minutes	195,374	214,126	239,360	262,712	292,800	315,400	334,800	344,465	363,295	345,306
Terminating minutes of international traffic	5,348	5,972	6,735	7,621	9,019	10,159	11,141	12,501	14,654	14,049
U.S. Interstate and international conversation minutes	200,611	219,962	246,747	272,366	305,420	333,984	358,183	377,163	406,603	399,256
International conversation minutes	10,194	11,219	13,266	15,384	18,571	21,602	22,785	25,016	25,869	27,536
Interstate domestic conversation minutes	190,417	208,743	233,481	256,982	286,849	312,381	335,398	352,147	380,734	371,720
End-user revenue per minute data from Table 9										
U.S. interstate and international minute	\$0.19	\$0.19	\$0.18	\$0.17	\$0.16	\$0.15	\$0.14	\$0.14	\$0.12	\$0.10
International conversation minute	\$1.01	\$1.02	\$0.93	\$0.91	\$0.76	\$0.69	\$0.58	\$0.54	\$0.52	\$0.35
Interstate domestic conversation minute	\$0.15	\$0.15	\$0.14	\$0.12	\$0.12	\$0.11	\$0.11	\$0.11	\$0.09	\$0.08
Access cost per interstate 2-ended minute 1/ Originating access minutes	\$0.069	\$0.067	\$0.068	\$0.065	\$0.061	\$0.056	\$0.039	\$0.033	\$0.024	\$0.018
Terminating access minutes	\$0.032	\$0.031	\$0.032	\$0.031	\$0.029	\$0.026	\$0.022	\$0.018	\$0.013	\$0.010
Access cost per average conversation minute 2/	\$0.034	\$0.034	\$0.034	\$0.033	\$0.030	\$0.028	\$0.016	\$0.013	\$0.011	\$0.008
U.S. interstate and international minutes	\$0.058	\$0.055	\$0.054	\$0.050	\$0.045	\$0.041	\$0.026	\$0.022	\$0.016	\$0.012
International conversation minutes	\$0.050	\$0.049	\$0.049	\$0.047	\$0.043	\$0.039	\$0.030	\$0.026	\$0.019	\$0.014
Interstate domestic conversation minutes	\$0.058	\$0.055	\$0.054	\$0.051	\$0.046	\$0.041	\$0.026	\$0.022	\$0.016	\$0.012
Universal service contributions assessed on a per-line basis (\$millions) 3/ Expressed per minute 4/:	\$728	\$873	\$891	\$907	\$944	\$973	\$0	\$0	\$0	\$0
U.S. interstate and international minutes	\$0.004	\$0.004	\$0.004	\$0.003	\$0.003	\$0.003	\$0.006	\$0.007	\$0.007	\$0.007
International conversation minutes	\$0.004	\$0.004	\$0.004	\$0.003	\$0.003	\$0.003	\$0.025	\$0.025	\$0.029	\$0.024
Interstate domestic conversation minutes	\$0.004	\$0.004	\$0.004	\$0.003	\$0.003	\$0.003	\$0.005	\$0.005	\$0.005	\$0.006
CLEC access revenues assessed on a per-minute basis (\$millions) 5/ Expressed per conversation minute						\$26	\$93	\$213	\$369	\$573
						\$0.0001	\$0.0003	\$0.0006	\$0.0009	\$0.0014
International-to-international revenues as % of total international end-user revenues 6/	0.7%	1.0%	1.3%	1.7%	2.6%	3.6%	7.6%	6.6%	7.3%	8.1%
Net international settlement payouts (\$millions) 6/ Per U.S. interstate and international minute	\$3,344	\$3,704	\$4,289	\$4,919	\$5,601	\$5,207	\$4,663	\$4,477	\$4,335	\$2,643
Per international conversation minute	\$0.017	\$0.017	\$0.017	\$0.018	\$0.018	\$0.015	\$0.012	\$0.011	\$0.010	\$0.006
PICC charges billed by Tier 1 carriers (\$millions) 7/ Expressed per conversation minute	\$0.326	\$0.327	\$0.319	\$0.314	\$0.294	\$0.232	\$0.189	\$0.167	\$0.155	\$0.088
							\$2,000	\$2,258	\$1,732	\$589
							\$0.006	\$0.006	\$0.004	\$0.001
Access and universal service costs 8/ per: U.S. interstate and international minute	\$0.078	\$0.076	\$0.075	\$0.072	\$0.066	\$0.059	\$0.050	\$0.046	\$0.038	\$0.028
International conversation minute 9/	\$0.380	\$0.380	\$0.371	\$0.364	\$0.340	\$0.275	\$0.249	\$0.224	\$0.209	\$0.129
Interstate domestic conversation minute	\$0.062	\$0.059	\$0.058	\$0.054	\$0.049	\$0.044	\$0.037	\$0.034	\$0.026	\$0.020
Revenue per-minute net of access and universal service costs, per: U.S. interstate and international minute	\$0.115	\$0.117	\$0.104	\$0.098	\$0.096	\$0.087	\$0.094	\$0.094	\$0.081	\$0.075
International conversation minute 9/	\$0.634	\$0.638	\$0.562	\$0.550	\$0.423	\$0.413	\$0.335	\$0.314	\$0.309	\$0.225
Interstate domestic conversation minute	\$0.087	\$0.089	\$0.078	\$0.071	\$0.075	\$0.064	\$0.077	\$0.078	\$0.064	\$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%	27.1%
International conversation minutes	37.4%	37.3%	39.8%	39.9%	44.6%	40.0%	42.6%	41.6%	40.3%	36.6%
Interstate domestic conversation minutes	41.7%	40.0%	42.6%	43.2%	39.3%	40.7%	32.3%	30.2%	28.7%	24.5%

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: 2001**  
**(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	\$19,599	\$15,008	\$14,182	\$48,790	20.7 %
Western: Alaska, Arizona, Colorado, Idaho, Iowa, Minnesota, Montana, Nebraska, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, and Wyoming	11,116	8,881	8,368	28,365	12.0
West Coast: California, Hawaii, Nevada, American Samoa, Guam, Northern Mariana Islands, and Wake Island	11,559	9,639	10,001	31,198	13.2
Mid-Atlantic: Delaware, District of Columbia, Maryland, New Jersey, Pennsylvania, Virginia, and West Virginia	12,011	11,682	6,508	30,200	12.8
Mid-West: Illinois, Indiana, Michigan, Ohio, and Wisconsin	13,730	10,155	9,155	33,039	14.0
Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, and Vermont	11,503	9,149	7,705	28,357	12.0
Southwest: Arkansas, Kansas, Missouri, Oklahoma, and Texas	11,437	8,834	8,547	28,818	12.2
Filers that did not identify revenues by region 1/	1,676	1,640	3,430	6,746	2.9
Total	\$92,629	\$74,987	\$67,896	\$235,513	100.0 %

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**  
**Telecommunications Revenues with Estimated Breakdowns by Type of Service**  
**Fourth Quarter 2001**  
**(Dollar Amounts in Millions)**

FCC Form 499-Q  Type of Provider	Telecommunications Service Provided for Resale <sup>1</sup>				Telecommunications Service Provided to End Users <sup>1</sup>				
	Fixed Local	Mobile	Toll	Total	Fixed Local	Mobile	Toll <sup>2</sup>	Total	Universal Service Contribution Base <sup>3</sup>
Regional Bell Operating Companies	\$5,316	\$39	\$25	\$5,380	\$16,697	\$34	\$1,254	\$17,985	\$3,479
Other Incumbent Local Exchange Carriers (ILECs)	<u>2,019</u>	<u>2</u>	<u>13</u>	<u>2,033</u>	<u>2,352</u>	<u>10</u>	<u>158</u>	<u>2,520</u>	<u>443</u>
Total ILECs	7,335	41	38	7,414	19,048	44	1,412	20,504	3,921
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	843	*	182	1,025	1,685	2	380	2,067	586
Local Resellers	57	*	23	80	217	*	57	275	50
Private Service Providers	*		1	1	*	*	*	*	*
Shared-Tenant Service Providers	*		*	*	5	*	4	9	3
Other Local Service Providers	<u>42</u>		<u>6</u>	<u>48</u>	<u>5</u>	<u>1</u>	<u>1</u>	<u>7</u>	<u>2</u>
Total Local Competitors	943	*	212	1,154	1,913	3	442	2,358	642
Total Fixed Local Service Providers	8,278	41	249	8,568	20,961	46	1,855	22,862	4,563
Payphone Service Providers	47		*	48	124	*	29	153	10
Wireless Telephony Including Cellular, Personal Communications Service (PCS) and SMR Telephony Carriers	15	1,260	181	1,457	18	17,214	365	17,597	2,439
Paging & Messaging Service Providers	1	105	1	106	1	447	2	450	63
Specialized Mobile Radio (SMR) Dispatch		*		*	*	46	1	48	4
Wireless Data and Other Mobile Service Providers	*	*		1	6	61	5	72	29
Total Wireless Service Providers	16	1,366	182	1,564	25	17,768	373	18,167	2,534
Interexchange Carriers (IXCs)	88	*	3,794	3,882	498	210	14,286	14,994	10,566
Operator Service Providers (OSPs)	1		14	15	1		124	125	52
Prepaid Calling Card Providers	*		1	1	*	*	22	22	18
Satellite Service Providers		5	27	32		1	39	40	28
Toll Resellers	8	17	135	160	81	244	1,589	1,914	1,051
Other Toll Carriers	16	*	398	415	79	5	115	199	104
Total Toll Service Providers	113	22	4,370	4,505	660	459	16,176	17,295	11,819
All Filers	\$8,454	\$1,429	\$4,801	\$14,685	\$21,771	\$18,274	\$18,433	\$58,478	\$18,926

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

\* A value greater than \$0 and less than \$500,000.

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

<sup>2</sup> Unlike Table 8, toll revenues shown in Table 12 exclude revenues from calls that both originate and terminate at foreign points. In addition, Table 8 includes revenues from all entities that are exempt from contributing to universal service support mechanisms.

<sup>3</sup> The total varies from the amount used for calculating the universal service contribution factor for the second quarter of 2002 because data were extracted from the FCC Form 499-Q data base at different points in time and may include amounts for filers that are not required to contribute.

**Table 13**  
**Telecommunications Revenues with Estimated Breakdowns by Type of Service**  
**First Quarter 2002**  
**(Dollar Amounts in Millions)**

FCC Form 499-Q  Type of Provider	Telecommunications Service Provided for Resale <sup>1</sup>				Telecommunications Service Provided to End Users <sup>1</sup>				
	Fixed Local	Mobile	Toll	Total	Fixed Local	Mobile	Toll <sup>2</sup>	Total	Universal Service Contribution Base <sup>3</sup>
Regional Bell Operating Companies	\$6,564	\$48	\$31	\$6,643	\$16,359	\$33	\$1,229	\$17,621	\$3,447
Other Incumbent Local Exchange Carriers (ILECs)	<u>1,545</u>	<u>2</u>	<u>10</u>	<u>1,556</u>	<u>1,673</u>	<u>7</u>	<u>112</u>	<u>1,792</u>	<u>349</u>
Total ILECs	8,109	50	41	8,199	18,032	40	1,341	19,413	3,796
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	983	*	212	1,195	2,351	2	531	2,884	844
Local Resellers	50	*	20	70	221	*	58	280	54
Private Service Providers	*		*	1	*	*	*	*	*
Shared-Tenant Service Providers	1		*	1	6	*	4	10	3
Other Local Service Providers	<u>59</u>		<u>8</u>	<u>67</u>	<u>13</u>	<u>2</u>	<u>2</u>	<u>17</u>	<u>2</u>
Total Local Competitors	1,093	*	241	1,334	2,591	5	595	3,191	903
Total Fixed Local Service Providers	9,202	50	282	9,533	20,623	45	1,937	22,604	4,699
Payphone Service Providers	26		*	26	81	*	19	101	8
Wireless Telephony Including Cellular, Personal Communications Service (PCS) and SMR Telephony Carriers	17	1,359	196	1,571	17	16,975	360	17,353	2,505
Paging & Messaging Service Providers	1	84	*	85	1	353	2	356	48
Specialized Mobile Radio (SMR) Dispatch		*		*	*	48	1	49	4
Wireless Data and Other Mobile Service Providers	*	1		1	6	57	4	67	29
Total Wireless Service Providers	18	1,444	196	1,657	25	17,433	367	17,825	2,586
Interexchange Carriers (IXCs)	76	*	3,274	3,350	503	212	14,418	15,133	10,548
Operator Service Providers (OSPs)	1		9	9	1		126	127	50
Prepaid Calling Card Providers	*		1	1	*	*	16	16	13
Satellite Service Providers		6	34	40		2	65	67	62
Toll Resellers	12	25	200	238	82	245	1,595	1,922	1,050
Other Toll Carriers	16	*	381	397	48	3	70	121	92
Total Toll Service Providers	104	32	3,899	4,034	634	461	16,290	17,385	11,814
All Filers	\$9,349	\$1,525	\$4,377	\$15,250	\$21,363	\$17,938	\$18,613	\$57,915	\$19,107

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

\* A value greater than \$0 and less than \$500,000.

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

<sup>2</sup> Unlike Table 8, toll revenues shown in Table 13 exclude revenues from calls that both originate and terminate at foreign points. In addition, Table 8 includes revenues from all entities that are exempt from contributing to universal service support mechanisms.

<sup>3</sup> The total varies from the amount used for calculating the universal service contribution factor for the third quarter of 2002 because data were extracted from the FCC Form 499-Q data base at different points in time and may include amounts for filers that are not required to contribute.

**Table 14**  
**Telecommunications Revenues with Estimated Breakdowns by Type of Service**  
**Second Quarter 2002**  
**(Dollar Amounts in Millions)**

FCC Form 499-Q  Type of Provider	Telecommunications Service Provided for Resale <sup>1</sup>				Telecommunications Service Provided to End Users <sup>1</sup>				
	Fixed Local	Mobile	Toll	Total	Fixed Local	Mobile	Toll <sup>2</sup>	Total	Universal Service Contribution Base <sup>3</sup>
Regional Bell Operating Companies	\$6,684	\$49	\$32	\$6,764	\$16,223	\$33	\$1,219	\$17,474	\$3,440
Other Incumbent Local Exchange Carriers (ILECs)	<u>1,570</u>	<u>2</u>	<u>10</u>	<u>1,581</u>	<u>1,721</u>	<u>7</u>	<u>116</u>	<u>1,844</u>	<u>353</u>
Total ILECs	8,253	51	41	8,345	17,944	40	1,334	19,318	3,793
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	1,014	*	218	1,233	2,337	2	527	2,867	915
Local Resellers	60	*	24	84	224	*	59	284	52
Private Service Providers	*		1	1	*	*	*	*	*
Shared-Tenant Service Providers	1		*	1	5	*	4	9	3
Other Local Service Providers	<u>59</u>		<u>8</u>	<u>67</u>	<u>13</u>	<u>2</u>	<u>2</u>	<u>17</u>	<u>2</u>
Total Local Competitors	1,134	*	252	1,385	2,580	5	593	3,177	973
Total Fixed Local Service Providers	9,387	51	293	9,730	20,523	45	1,927	22,495	4,766
Payphone Service Providers	23		*	23	83	*	20	103	9
Wireless Telephony Including Cellular, Personal Communications Service (PCS) and SMR Telephony Carriers	20	1,644	236	1,900	19	18,542	394	18,954	2,732
Paging & Messaging Service Providers	*	63	*	64	*	203	1	205	32
Specialized Mobile Radio (SMR) Dispatch		*		*	*	52	1	53	4
Wireless Data and Other Mobile Service Providers	1	1		2	7	63	5	74	30
Total Wireless Service Providers	21	1,707	237	1,965	26	18,859	400	19,286	2,798
Interexchange Carriers (IXCs)	75	*	3,222	3,297	475	200	13,607	14,282	9,973
Operator Service Providers (OSPs)	*		6	7	1		139	140	60
Prepaid Calling Card Providers	*		1	1	*	*	17	17	14
Satellite Service Providers		6	34	40		1	53	54	50
Toll Resellers	13	28	219	260	81	243	1,587	1,911	1,034
Other Toll Carriers	16	*	398	415	46	3	67	115	88
Total Toll Service Providers	104	34	3,881	4,019	603	447	15,471	16,521	11,217
All Filers	\$9,535	\$1,792	\$4,411	\$15,738	\$21,236	\$19,351	\$17,818	\$58,404	\$18,790

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

\* A value greater than \$0 and less than \$500,000.

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

<sup>2</sup> Unlike Table 8, toll revenues shown in Table 14 exclude revenues from calls that both originate and terminate at foreign points. In addition, Table 8 includes revenues from all entities that are exempt from contributing to universal service support mechanisms.

<sup>3</sup> The total varies from the amount used for calculating the universal service contribution factor for the fourth quarter of 2002 because data were extracted from the FCC Form 499-Q data base at different points in time and may include amounts for filers that are not required to contribute.

**Table 15**  
**Telecommunications Revenues with Estimated Breakdowns by Type of Service**  
**Third Quarter 2002**  
**(Dollar Amounts in Millions)**

FCC Form 499-Q  Type of Provider	Telecommunications Service Provided for Resale <sup>1</sup>				Telecommunications Service Provided to End Users <sup>1</sup>				
	Fixed Local	Mobile	Toll	Total	Fixed Local	Mobile	Toll <sup>2</sup>	Total	Universal Service Contribution Base <sup>3</sup>
Regional Bell Operating Companies	\$6,544	\$48	\$31	\$6,623	\$16,159	\$33	\$1,214	\$17,406	\$3,513
Other Incumbent Local Exchange Carriers (ILECs)	<u>1,558</u>	<u>2</u>	<u>10</u>	<u>1,570</u>	<u>1,823</u>	<u>8</u>	<u>122</u>	<u>1,953</u>	<u>405</u>
Total ILECs	8,102	49	41	8,192	17,982	40	1,336	19,359	3,918
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	957	*	206	1,163	2,388	3	539	2,930	919
Local Resellers	57	*	23	81	231	*	61	292	52
Private Service Providers	*		1	1	1	*	1	1	*
Shared-Tenant Service Providers	1		*	1	6	*	4	10	3
Other Local Service Providers	<u>67</u>		<u>10</u>	<u>77</u>	<u>13</u>	<u>2</u>	<u>2</u>	<u>17</u>	<u>3</u>
Total Local Competitors	1,083	*	240	1,323	2,638	5	607	3,250	977
Total Fixed Local Service Providers	9,186	50	281	9,516	20,620	45	1,943	22,608	4,895
Payphone Service Providers	52		*	52	116	*	27	143	10
Wireless Telephony Including Cellular, Personal Communications Service (PCS) and SMR Telephony Carriers	22	1,808	260	2,090	20	19,392	412	19,824	3,006
Paging & Messaging Service Providers	*	62	*	63	*	189	1	190	28
Specialized Mobile Radio (SMR) Dispatch		*		*	*	54	1	55	5
Wireless Data and Other Mobile Service Providers	22	34		57	15	142	11	168	41
Total Wireless Service Providers	45	1,905	260	2,210	36	19,778	425	20,238	3,081
Interexchange Carriers (IXCs)	82	*	3,562	3,645	468	197	13,426	14,092	9,539
Operator Service Providers (OSPs)	1		11	12	1		138	139	59
Prepaid Calling Card Providers	*		1	1	*	*	17	17	15
Satellite Service Providers		6	35	41		1	35	36	31
Toll Resellers	20	43	342	405	86	257	1,675	2,018	1,092
Other Toll Carriers	18	*	445	463	42	2	61	105	74
Total Toll Service Providers	121	50	4,395	4,567	597	457	15,353	16,408	10,810
All Filers	\$9,403	\$2,004	\$4,937	\$16,344	\$21,369	\$20,280	\$17,748	\$59,397	\$18,796

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

\* A value greater than \$0 and less than \$500,000.

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

<sup>2</sup> Unlike Table 8, toll revenues shown in Table 15 exclude revenues from calls that both originate and terminate at foreign points. In addition, Table 8 includes revenues from all entities that are exempt from contributing to universal service support mechanisms.

<sup>3</sup> 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 FCC Form 499-Q data base at different points in time and may include amounts for filers that are not required to contribute.

**Table 16**  
**Telecommunications Revenues with Estimated Breakdowns by Type of Service**  
**Fourth Quarter 2002**  
**(Dollar Amounts in Millions)**

FCC Form 499-Q  Type of Provider	Telecommunications Service Provided for Resale <sup>1</sup>				Telecommunications Service Provided to End Users <sup>1</sup>				
	Fixed Local	Mobile	Toll	Total	Fixed Local	Mobile	Toll <sup>2</sup>	Total	Universal Service Contribution Base
Regional Bell Operating Companies	\$6,254	\$46	\$30	\$6,330	\$15,626	\$32	\$1,174	\$16,831	\$3,461
Other Incumbent Local Exchange Carriers (ILECs)	<u>1,552</u>	<u>2</u>	<u>10</u>	<u>1,564</u>	<u>1,835</u>	<u>8</u>	<u>123</u>	<u>1,966</u>	<u>410</u>
Total ILECs	7,807	47	39	7,893	17,461	39	1,297	18,798	3,871
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	1,007	*	217	1,223	2,533	3	572	3,107	1,006
Local Resellers	67	*	27	94	240	*	63	304	57
Private Service Providers	*		1	1	12	1	8	21	5
Shared-Tenant Service Providers	1		*	1	4	*	3	7	3
Other Local Service Providers	<u>67</u>		<u>10</u>	<u>77</u>	<u>14</u>	<u>2</u>	<u>2</u>	<u>17</u>	<u>3</u>
Total Local Competitors	1,141	*	254	1,396	2,802	6	648	3,457	1,074
Total Fixed Local Service Providers	8,948	47	293	9,289	20,264	45	1,945	22,255	4,945
Payphone Service Providers	53		*	54	119	*	28	148	13
Wireless Telephony Including Cellular, Personal Communications Service (PCS) and SMR Telephony Carriers	12	962	138	1,112	19	18,727	397	19,143	4,455
Paging & Messaging Service Providers	*	47	*	47	*	203	1	205	34
Specialized Mobile Radio (SMR) Dispatch		*		*	*	53	1	54	5
Wireless Data and Other Mobile Service Providers	19	28		47	14	137	11	162	41
Total Wireless Service Providers	31	1,037	139	1,206	34	19,120	410	19,565	4,534
Interexchange Carriers (IXCs)	75	*	3,247	3,322	425	179	12,181	12,785	8,787
Operator Service Providers (OSPs)	*		7	7	1		121	122	49
Prepaid Calling Card Providers	*		1	1	*	*	18	18	14
Satellite Service Providers		6	32	37		2	64	66	60
Toll Resellers	17	37	292	346	84	251	1,638	1,973	1,143
Other Toll Carriers	18	*	445	463	44	3	64	110	76
Total Toll Service Providers	111	43	4,023	4,177	554	434	14,086	15,074	10,128
All Filers	\$9,142	\$1,127	\$4,456	\$14,726	\$20,971	\$19,600	\$16,470	\$57,041	\$19,620

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

\* A value greater than \$0 and less than \$500,000.

<sup>1</sup> 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.

<sup>2</sup> Unlike Table 8, toll revenues shown in Table 16 exclude revenues from calls that both originate and terminate at foreign points. In addition, Table 8 includes revenues from all entities that are exempt from contributing to universal service support mechanisms.

**Table 17**  
**Telecommunications Revenues with Estimated Breakdowns by Type of Service**  
**Calendar Year 2002 - Preliminary**  
**(Dollar Amounts in Millions)**

FCC Form 499-Q  Type of Provider	Telecommunications Service Provided for Resale <sup>1</sup>				Telecommunications Service Provided to End Users <sup>1</sup>				
	Fixed Local	Mobile	Toll	Total	Fixed Local	Mobile	Toll <sup>2</sup>	Total	Universal Service Contribution Base
Regional Bell Operating Companies	\$26,046	\$191	\$123	\$26,359	\$64,367	\$130	\$4,836	\$69,333	\$13,860
Other Incumbent Local Exchange Carriers (ILECs)	<u>6,225</u>	<u>6</u>	<u>39</u>	<u>6,270</u>	<u>7,052</u>	<u>29</u>	<u>474</u>	<u>7,555</u>	<u>1,517</u>
Total ILECs	32,271	197	162	32,630	71,419	160	5,309	76,888	15,377
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	3,961	*	853	4,815	9,609	10	2,169	11,788	3,684
Local Resellers	233	*	95	328	917	1	242	1,160	216
Private Service Providers	1		2	3	13	1	9	23	5
Shared-Tenant Service Providers	3		*	3	20	*	15	36	12
Other Local Service Providers	<u>252</u>		<u>36</u>	<u>288</u>	<u>53</u>	<u>7</u>	<u>8</u>	<u>68</u>	<u>10</u>
Total Local Competitors	4,451	*	987	5,438	10,612	20	2,443	13,074	3,927
Total Fixed Local Service Providers	36,722	197	1,149	38,068	82,030	179	7,752	89,962	19,304
Payphone Service Providers	53		*	54	119	*	28	148	13
Wireless Telephony Including Cellular, Personal Communications Service (PCS) and SMR Telephony Carriers	71	5,772	831	6,673	76	73,636	1,563	75,275	12,698
Paging & Messaging Service Providers	2	256	1	259	2	949	5	956	141
Specialized Mobile Radio (SMR) Dispatch		*		*	1	206	4	211	18
Wireless Data and Other Mobile Service Providers	42	64		106	42	400	31	472	141
Total Wireless Service Providers	114	6,093	832	7,039	121	75,190	1,602	76,913	12,998
Interexchange Carriers (IXCs)	308	*	13,305	13,613	1,871	787	53,633	56,292	38,845
Operator Service Providers (OSPs)	2		33	35	4		525	529	218
Prepaid Calling Card Providers	*		4	4	*	*	67	68	55
Satellite Service Providers		24	134	158		5	218	223	202
Toll Resellers	61	134	1,053	1,249	333	996	6,496	7,824	4,318
Other Toll Carriers	69	*	1,669	1,738	180	10	261	451	331
Total Toll Service Providers	440	159	16,198	16,797	2,388	1,799	61,200	65,387	43,970
All Filers	\$37,329	\$6,449	\$18,180	\$61,957	\$84,659	\$77,168	\$70,583	\$232,410	\$76,285

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

\* A value greater than \$0 and less than \$500,000.

<sup>1</sup> 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.

<sup>2</sup> Unlike Table 8, toll revenues shown in Table 17 exclude revenues from calls that both originate and terminate at foreign points. In addition, Table 8 includes revenues from all entities that are exempt from contributing to universal service support mechanisms.



**Table 18**  
**Contribution Base Information by Type of Service Provider**  
**(Dollar Amounts in Millions)**

FCC Form 499-Q Type of Provider	Billed Revenues		Projected Revenues Q1 2003			Projected Revenues Q2 2003		
	Q3 2002	Q4 2002	Billed	Collected	Uncollectable Rate %	Billed	Collected <sup>1</sup>	Uncollectable Rate %
Regional Bell Operating Companies	\$3,513	\$3,461	\$3,408	\$3,344	1.9 %	\$3,365	\$3,300	1.9 %
Other Incumbent Local Exchange Carriers (ILECs)	405	410	421	415	1.3	424	418	1.4
Total ILECs	3,918	3,871	3,829	3,759	1.8	3,788	3,718	1.9
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	919	1,006	1,053	1,020	3.2	1,096	1,058	3.4
Local Resellers	52	57	59	56	4.1	61	58	4.5
Private Service Providers	*	5	5	5	2.0	5	5	2.0
Shared-Tenant Service Providers	3	3	3	2	7.2	3	2	7.2
Other Local Service Providers	3	3	3	3	6.7	4	3	7.8
Total Local Competitors	977	1,074	1,122	1,086	3.2	1,167	1,127	3.5
Total Fixed Local Service Providers	4,895	4,945	4,951	4,845	2.2	4,956	4,844	2.2
Payphone Service Providers	10	13	11	10	4.5	11	10	4.6
Wireless Telephony Including Cellular, Personal Communications Service (PCS) and SMR Telephony Carriers	3,006	4,455	4,231	4,112	2.8	4,510	4,383	2.8
Paging & Messaging Service Providers	28	34	37	37	1.3	37	37	0.5
Specialized Mobile Radio (SMR) Dispatch	5	5	5	4	2.9	5	4	2.9
Wireless Data and Other Mobile Service Providers	41	41	41	40	3.5	42	41	3.5
Total Wireless Service Providers	3,081	4,534	4,315	4,193	2.8	4,594	4,465	2.8
Interexchange Carriers (IXCs)	9,539	8,787	8,799	8,377	4.8	8,494	8,129	4.3
Operator Service Providers (OSPs)	59	49	51	45	11.3	49	44	11.7
Prepaid Calling Card Providers	15	14	14	14	1.5	14	14	1.6
Satellite Service Providers	31	60	59	54	8.0	59	55	7.6
Toll Resellers	1,092	1,143	1,256	1,193	5.0	1,349	1,276	5.5
Other Toll Carriers	74	76	76	68	10.8	77	69	10.3
Total Toll Service Providers	10,810	10,128	10,255	9,751	4.9	10,043	9,586	4.6
All Filers	\$18,796	\$19,620	\$19,531	\$18,798	3.8 %	\$19,603	\$18,905	3.6 %

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

\* A value greater than \$0 and less than \$500,000.

<sup>1</sup> Beginning in the second quarter of 2003, filers will contribute to universal service support mechanisms based on projected collected interstate and international end-user revenues for the quarter. The total may vary from the amount used for calculating the universal service contribution factor for the second quarter of 2003 because data were extracted from the FCC Form 499-Q data base at different points in time and may include amounts for filers that are not required to contribute.

## Customer Response

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