

1. Industry Revenues and Contributions

This section provides a general overview of the revenues of the U.S. telecommunications industry and the contributions to the universal service support mechanisms that are based on these revenues. Most of the information for 1998 comes from worksheets containing 1998 revenue data that carriers filed with the administrator of the universal service support mechanism. By April 23, 1999, the universal service database contained whole year 1998 data for 2,148 contributing service providers. The 1998 revenue data is estimated for some carriers due to late filings or inadequate filings. The data contained in the universal service filings cover about 99% of industry revenue but less than two thirds of carriers. The remaining 1% of revenue was estimated using data filed on Telecommunications Relay Service (TRS) worksheets.

Table 1.1 shows the major components of telecommunications revenue for 1998. Tables 1.2 and 1.3 compare 1998 revenue with revenue for prior years. Revenue data shown for 1992 through 1996 derives from information filed on TRS worksheets.

Universal service requirements include several mechanisms that help ensure that all Americans have access to affordable telecommunications service. In section 254(d) of the Telecommunications Act of 1996, Pub. L. No. 104-104, 110 Stat. 56 *codified* at 47 U.S.C. §§ 151 *et seq.*, Congress mandated that "[e]very telecommunications carrier that provides interstate telecommunications services shall contribute, on an equitable and nondiscriminatory basis, to the specific, predictable, and sufficient mechanisms established by the Commission to preserve and advance universal service." The Commission adopted funding mechanisms in a Report and Order, FCC 97-157, CC Docket No. 96-45, 12 FCC Rcd 8776 (rel. May 8, 1997). The Commission subsequently selected the Universal Service Administrative Company (USAC) as the interim administrator. Carriers first filed Universal Service Worksheets on September 1, 1997, for the first half of 1997.

Most large carriers file semi-annual FCC Form 457 Universal Service Worksheets. The 1999 Universal Service Worksheets provide the most detailed information on telecommunications industry revenue available from any source. Summaries of these worksheets form the core of Tables 1.4 through 1.8. Over 1,000 carriers, however, were exempted from universal service filing requirements because their potential contributions to the universal service support mechanisms were expected to be "de minimis" - that is, their contribution for the year was expected to be less than \$10,000. More limited data were obtained for these carriers from annual FCC Form 431 Telecommunications Relay Service Fund Worksheets. The 1999 TRS worksheet database was not available in time to estimate the revenues of universal service de minimis carriers. The total revenue for de minimis carriers, however, is expected to be about the same in 1998 as they were in 1997. Accordingly, the 1997 estimates were used as the best estimate of 1998 totals and are included in the industry totals presented herein.

Table 1.9 shows how carrier revenue data and program requirements information were combined to determine the contribution factors used to bill carriers during 1998.

Revenue Data

Almost all telecommunications carriers are considered to be interstate service providers. Local telephone companies are classified as interstate service providers because they provide interstate access services. Similarly, competitive access providers, pay telephone operators, and cellular telephone companies derive revenue from providing access to interstate services and accordingly file worksheets. Virtually all pay telephone providers, interexchange carriers (IXCs), operator service providers (OSPs), and toll resellers provide interstate services. Special mobile radio (SMR) and private paging providers offer dispatch, paging, and some telephone services. At one time, SMRs were not regulated as carriers and did not have to contribute to the provision of TRS. SMRs were first required to file TRS Worksheets in 1996. Private carriers are subject to universal service support mechanism contribution requirements but not to TRS contribution requirements.

Carriers subject to the universal service support mechanisms contribution requirement were required to file worksheets on March 31, 1999, containing revenue data for the whole year 1998. TRS Worksheets containing 1998 revenue data were due on April 26, 1999. Some carriers filed late or filed subsequent revisions. The data shown in Tables 1.1 through 1.8 are based on information in the universal service database as of April 23, 1999, augmented with some late filed and corrected data. The totals are slightly different from the totals submitted by USAC to support the development of the third quarter 1999 contribution factors. Some carriers undoubtedly did not file either Universal Service or TRS Worksheets. These carriers represent a small fraction of industry revenue.

Both the universal service and TRS support mechanisms require each legal entity that provides interstate telecommunications service to file a separate worksheet. Several wireless carriers, however, received permission to make consolidated universal service filings in situations where they maintain separate legal entities because their spectrum licenses have different groups of owners, but where a single entity managed the combined operations.

In the Universal Service Worksheet, each filer is required to report total and interstate revenues in two broad categories: service provided to other Universal Service Worksheet filers for resale (carrier's carrier); and, service to de minimis carriers and end users (end user). Carriers must provide further breakdowns of local, wireless, and toll services. TRS contributions are based on a carrier's gross interstate revenue (which includes both carrier's carrier and end user revenue). Universal service contributions to the universal service support mechanisms are based on a carrier's end user revenues. One category of end user telecommunications revenue -- toll calls that both originate and terminate outside of the United States, primarily call-back and World Direct type service -- is excluded from universal service contribution bases.

The Universal Service and TRS Worksheets require each filer to categorize itself using one of the following categories:¹

- 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
- Other Mobile Service Carrier
- Other Toll Service Provider
- Paging and Messaging
- Pay Telephone Provider
- Private Service Provider
- Pre-paid Calling Card Provider
- Satellite Service Provider
- Shared Tenant Service Provider
- Special Mobile Radio - Dispatch
- Toll Reseller
- Wireless Data Service Provider

Fewer carrier categories were listed on prior year worksheets. In a few cases, carrier categories were combined for tabulation purposes.

Table 1.1 summarizes total industry revenue and shows the breakdown by source of the data -- how much of the revenue was reported on Universal Service Worksheets and how much on TRS Worksheets. The Universal Service Worksheets were the source of 99% of reported revenues. The table shows breakdowns for local, wireless, and toll service; it also shows how much of the revenue was reported as intrastate service versus interstate service and how much of the revenue was reported as carrier's carrier revenue versus end user revenue. Carriers reported a total of \$246.4 billion of telecommunications revenue. Carriers are making contributions to the universal support mechanisms on \$197.5 billion of total end user revenue and \$74.9 billion of interstate end user revenue. Carriers are making TRS contributions on \$104.3

¹ For detailed definitions of the categories and worksheet instructions, see *Telecommunications Industry Revenue: 1997* (FCC CCB Industry Analysis Division, released October 8, 1998).

billion of gross interstate revenue. In both cases the term "interstate" includes domestic interstate calls as well as international calls.

Carriers were instructed to report the amounts actually billed to customers. This means that carriers should report revenue net of discounts, but without making any adjustments to reflect uncollectible revenue or international settlement payments. Most filers should be able to report revenue in this manner using information contained in their corporate books of account. Some filers, however, have no business or regulatory requirements to record intrastate revenues separately from interstate revenues or to use the detailed revenue categories contained in the worksheets. Therefore, breakdowns are likely to be less accurate than industry totals. Some carriers reported unlikely amounts, such as *intrastate* toll revenue for calls both originated and terminated outside the United States. Similarly, some carriers report negative billed revenues. The totals reflect some corrections based on supplemental carrier information.

Table 1.2 provides historic data for several categories of revenue. Because of reporting changes, the 1997 and 1998 totals are not entirely consistent with data for prior years. For example, special access revenues were included with other access revenues prior to 1997 but are included with local private line service since then. Similarly, through 1996, carriers reported as other local and mobile revenue substantial amounts of customer premises, billing and collection and other types of revenue that are excluded from contributions to the universal service support mechanisms. These revenues are now reported as non-telecommunications. Table 1.2 contains estimates of the amounts of non-telecommunications revenues that had been reported in prior years. The table estimates that 1996 telecommunications revenues reported on TRS Worksheets would have been \$10.5 billion lower if revenue had been reported using Universal Service Worksheet instructions.

In 1997, carriers were required to include inside wiring maintenance revenue as part of local exchange revenue. In 1998, carriers were instructed to report this revenue as non-telecommunications. The local exchange service revenue data in Table 1.2 would show a greater increase from 1997 to 1998 if the same reporting instructions had been used for each year.

Table 1.3 provides historic revenues for several classes of carriers. Changes in reporting are relatively unimportant for toll carriers and for local service competitors. As explained above, however, the 1996 data contains about \$10.5 billion of non-telecommunications revenues, almost all of which were reported by incumbent LECs and wireless carriers. The local exchange service revenue data in Table 1.3 would show a greater increase from 1997 to 1998 if the same reporting instructions for inside wiring maintenance revenue had been used for each year.

Table 1.4 provides an overview of the local, mobile, and toll service revenues for selected groups of carriers.

Table 1.5 provides a detailed breakout for each of the universal service categories used to report service provided to other carriers for resale. Table 1.6 provides a detailed breakout for each of the universal service categories used to report service provided to end users and also non-telecommunications service. Table 1.7 combines universal service worksheet data with TRS worksheet data to develop total industry revenue data. Table 1.8 provides universal service and TRS revenue detail by class of filers.

The universal service and TRS rules prohibit the fund administrators from releasing information contained in the worksheets. Worksheet revenue data for individual carriers are not available to the public.

Program Requirements and Contribution Factors

Once the Universal Service Administrator collects and tabulates end user revenue data, the Commission reviews program requirements and determines the contribution factors. Carriers filed revenue data for the first half of calendar 1997 on September 1, 1997. On December 16, 1997, the Commission released approved contribution factors to be used to determine carrier contributions for the first quarter of calendar 1998.²

The Public Notice released two factors. The first factor was the schools and libraries and rural health care support contribution factor, which was 0.0072. Carrier contributions to these support mechanisms for the first quarter of 1998 were determined by multiplying 0.0072 times one half of total end user revenue from intrastate, interstate and international telecommunications services billed in the first half of 1997. The second factor was the high cost and the low income support contribution factor, which was 0.0319. Carrier contributions to these support mechanisms for the first quarter of 1998 were determined by multiplying 0.0319 times one half of total end user revenue from interstate and international telecommunications services billed in the first half of 1997.

Revenue information from the September 1 filings was also used as the basis for determining contributions for the second calendar quarter of 1998. On March 31, 1998, carriers filed revenue data for whole calendar year 1997. The Universal Service administrator determined second half 1997 revenues for each carrier by subtracting the carrier's first half revenues contained in its September 1 filing from the carrier's whole year revenues contained in its March 31 filing. Second half 1997 data were used as the basis for contributions billed in the third and fourth calendar quarters of 1998. In summary, carriers file first half revenue on September 1. This information is used to determine contributions for the first two quarters of the following

² Public Notice, First Quarter 1998 Universal Service Contribution Factors Revised and Approved, CC Docket No: 96-45; DA 97-2623.

year. Carriers file whole year data on the following March 31. First half data are subtracted from whole year data and the result -- second half revenue data -- is used to bill contributions to be made in the third and fourth quarters.

Table 1.9 shows the contribution base and program requirement information used to calculate the fund factors for 1998 and the first half of 1999. If all carriers provided correct data on the filing dates, end user revenue totals would be the same for the first two and last two quarters of the year. The revenue totals changed over time because of late filings and corrections. Starting in the fourth quarter, the Commission reduced the amounts in the contribution bases by 1% to reflect the fact that some contributions will prove uncollectible.

Table 1.9 also shows the actual amounts billed for contributions in each quarter. These amounts represent actual billings made during the quarter and include some prior quarter obligations where there have been late filings and corrected filings. Actual collections vary from the amounts shown in the table due to late payments, carrier bankruptcies, and interest charged on late payments.

Table 1.9 shows separate lines for refunds and periodic true-ups. Refunds are shown as negative billed contributions. The Commission modified the de minimis threshold in 1998. The decision was released before the Universal Service administrator sent bills for contributions, so no carrier with projected billings below \$10,000 for the year received a bill. Some companies, however, filed revised worksheets that changed their contribution base such that they did qualify for the de minimis exemption. These companies have been issued refunds. Other companies did not pass the de minimis test contained in the worksheet but will be billed less than \$10,000 in 1998, given the actual contribution factors that have been authorized. Refunds for these carriers are shown starting with the fourth quarter of 1998.

Finally, Table 1.9 shows outlays actually approved during the quarter, by program. These figures do not include actual administrative expense. Similarly, the data in the table do not show actual interest received. Approved outlays are not the same as actual disbursements. For the Schools & Libraries program, disbursements can lag approvals.

Table 1.1: Total Telecommunications Industry Revenue: 1998
(Amounts shown in millions)

	Universal Service Worksheet Data			TRS Worksheet Data ***	Total
	Carrier's Carrier Revenue *	End User Revenue *	International - to - International Revenue **		
Local Service	\$29,207	\$75,522	\$0	\$595	\$105,324
Wireless Service	3,045	33,579	4	189	36,818
Toll Service	13,252	88,350	1,116	1,532	104,250
Service reported as Intrastate	18,788	122,538		783	142,108
Interstate	26,715	74,914	1,121	1,535	104,284
Total	\$45,503	\$197,452	\$1,121	\$2,317	\$246,392

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

- * Carrier's carrier revenue is reported on Universal Service Worksheets 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 carriers, customers, governments, non-profits and any other non-contributors are treated as end user revenue. Filers contribute to the universal service funding mechanisms based on their end user revenues.
- ** Revenue from calls that both originate and terminate in foreign points are reported as end user revenue, but are not included in the universal service contribution bases.
- *** Many carriers were exempted from universal service filing requirements because their potential contributions to the universal service support mechanisms were expected to be "de minimis" - that is, their contribution for the year was expected to be less than \$10,000. 1998 revenues for these carriers was estimated based on 1997 revenue information that they filed in 1998 TRS Worksheets.

Table 1.2: Telecommunications Industry Revenue by Service

(Amounts shown in millions)

	TRS Data					Universal Service & TRS Data	
	1992	1993	1994	1995	1996	1997	1998
Local Exchange	\$39,235	\$40,176	\$42,245	\$45,194	\$48,717	\$53,771	\$59,245
Pay Telephone *						2,182	2,596
Local Private Line **	1,049	1,088	1,138	1,226	1,616	8,282	10,403
Other Local ***	7,687	8,002	8,302	10,428	10,543	2,847	2,179
Subscriber line charges **						8,327	11,052
Access **	29,353	30,832	32,759	33,911	35,641	21,423	18,449
Additional revenue from TRS Worksheets						595	535
Total Local Service	77,324	80,098	84,443	90,759	96,516	97,426	105,324
Total Wireless Service (including additional revenue from TRS Worksheets)	7,285	10,237	14,293	18,759	26,049	32,950	36,813
Operator *	9,465	10,772	10,539	11,170	10,975	12,002	12,205
Non-Operator Switched Toll	54,300	58,294	60,819	64,431	71,467	69,475	74,168
Long Distance Private Line	7,783	8,067	9,043	9,719	10,665	10,504	11,952
Other Long Distance	4,196	5,392	4,078	4,309	6,583	7,280	3,386
Additional revenue from TRS Worksheets						1,532	1,532
Total Toll Service	75,744	82,525	84,478	89,629	99,691	100,793	104,255
Charges on bills identified as recovering universal service contributions ****							2,259
Non-telecommunications formerly reported as other local and wireless ***	(6,944)	(7,518)	(8,324)	(9,071)	(10,474)		
Total Telecommunications ***	153,409	165,342	174,890	190,076	211,782	231,168	246,392
Non-Telecommunications ***						25,633	27,944
Total Reported Revenue	\$160,353	\$172,860	\$183,214	\$199,147	\$222,256	\$256,801	\$272,019
Service reported as:							
Intrastate	89,323	96,927	102,603	112,923	127,849	133,654	142,108
Interstate	71,030	75,933	80,611	86,224	94,407	97,514	104,284

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

* TRS filers generally reported pay telephone revenue as local service revenue, access revenue or operator toll revenue. The Universal Service Worksheet contains a separate category for pay telephone revenue.

** TRS Worksheet filers generally reported special access revenue as access revenue. Universal Service Worksheet filers are asked to combine special access revenue with local private line revenue. This explains the jump in local private line revenue and the fall in access revenue 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.

*** Significant amounts of enhanced service, 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 revenue reported as mobile and other local revenue were estimated as 70% of the amounts that Tier 1 LECs reported in ARMIS as Miscellaneous and Nonregulated revenues (currently Account 5200 + Account 5280) and 10% of amounts reported as mobile service revenue.

**** Charges on end user bills identified as recovering state or federal universal service contributions are shown in the table. These charges are apportioned and included in the totals for local, wireless and toll service.

Table 1.3: Telecommunications Revenue Reported by Type of Carrier

(Amounts shown in millions)

Service Provider Category *	TRS Worksheet Categories					Universal Service & TRS Data	
	1992	1993	1994	1995	1996	1997	1998
Incumbent Local Exchange Carriers **	\$91,584	\$95,228	\$98,431	\$102,820	\$107,905	\$105,154	\$108,234
Pay Telephone Providers	183	175	300	349	357	933	1,101
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	69	191	281	623	1,011	1,919	3,348
Local Resellers						206	410
Other Local Exchange Carriers						157	36
Private Carriers						112	147
Shared Tenant Service Providers						87	93
Competitors of ILECs	69	191	281	623	1,011	2,481	4,034
Local service providers	91,835	95,595	99,011	103,792	109,273	108,568	113,369
Cellular Service Carriers & Personal Communications Service (PCS) **	6,718	9,215	13,259	17,208	23,778	29,944	33,139
Paging Service Providers **						2,861	3,161
SMR dispatch and Other Mobile Service Providers	670	964	938	1,419	2,121	225	731
Wireless Service Providers	7,387	10,179	14,197	18,627	25,900	33,030	37,032
Interexchange Carriers (IXCs)	57,341	61,118	66,381	70,938	79,057	79,080	83,443
Operator Service Providers (OSPs)	558	695	536	500	461	603	590
Prepaid Calling Card Providers				16	238	519	888
Satellite Service Carriers						1,011	475
Toll Resellers	1,293	1,869	2,840	4,220	6,564	8,010	9,885
Other Toll Carriers	2,186	711	709	773	577	348	710
Toll Service Providers	61,378	64,393	70,466	76,447	86,896	89,570	95,992
Non-telecommunications revenue in prior year data **	(6,944)	(7,518)	(8,324)	(9,071)	(10,474)		
Other Adjustments ***	(248)	2,693	(461)	280	187	0	0
Total Telecommunications Revenue	\$153,409	\$165,342	\$174,890	\$190,076	\$211,782	\$231,168	\$246,392

* 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 TRS Worksheets because there was no separate category for satellite service providers.

** 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 revenue reported as mobile and other local revenue 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.

*** Other Adjustments include some amounts withheld to preserve confidentiality and revisions made after the initial publication of the data.

Table 1.4: Local, Mobile and Toll Service Revenue Reported by Selected Types of Service Provider for 1998*
(Amounts shown in millions)

1998	Type of Service			
	Local	Mobile	Toll	All Service
Incumbent Local Exchange Carriers	\$98,376	\$429	\$9,429	\$108,234
Pay Telephone Providers	894	0	207	1,101
All other local service providers	<u>2,766</u>	<u>38</u>	<u>1,230</u>	<u>4,034</u>
Local service providers	102,040	468	10,862	113,369
Wireless Telephone Carriers	78	31,716	1,346	33,139
All other wireless service providers	<u>3</u>	<u>3,783</u>	<u>106</u>	<u>3,892</u>
Wireless service providers	81	35,499	1,452	37,032
Interexchange Carriers	1,991	304	81,148	83,443
Toll Resellers	364	386	9,135	9,885
All other toll service providers	<u>91</u>	<u>117</u>	<u>2,454</u>	<u>2,663</u>
Toll service providers	2,446	808	92,738	95,992
Total Industry	\$105,324	\$36,813	\$104,255	\$246,392

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

* Source: telecommunications revenue data filed on Universal Service and TRS Worksheets.

Telecommunications Service Providers that filed a Universal Service Worksheet	Table 1.5 1998 Revenue for Services Provided to Other Carriers for Resale Reported by Carriers that Contribute to Universal Service Support Mechanisms ** (Amounts shown in millions)											
	Sales by RBOCS and Other Incumbent LECs			Sales by CLECs and Other Primarily Local Competitors			Sales by Payphone Providers			Sales by Local Service Providers		
	Intrastate	Interstate	Total	Intrastate	Interstate	Total	Intrastate	Interstate	Total	Intrastate	Interstate	Total
FCC 457 Line #												
Fixed local service:												
Monthly service, local calling, connection charges, vertical features, inside wiring maintenance, and other local exchange service:												
22 a Provided as unbundled network elements	\$58.0		\$58.0	\$72.0		\$72.0				130		\$130.0
22 b Provided under tariffs or arrangements other than unbundled network elements	1,099.0	1,316.4	2,415.4	50.4	23.2	73.6				1,149.4	1,339.6	2,489.0
Per minute charges for originating or terminating calls												
23 a Provided as unbundled network elements or other contract arrangement	174.8		174.8	249.6		249.6	*		*	424.4		424.4
23 b Provided under state or federal access tariff	<u>8,358.8</u>	<u>9,348.2</u>	<u>17,707.0</u>	<u>70.6</u>	<u>43.6</u>	<u>114.2</u>				<u>8,429.4</u>	<u>9,391.7</u>	<u>17,821.2</u>
Total per minute access charges	8,533.6	9,348.2	17,881.8	320.2	43.6	363.8	*		*	8,853.9	9,391.7	18,245.6
24 Local private line & special access	717.4	4,369.8	5,087.2	426.8	288.5	715.3	0.5	0.3	0.8	1,144.8	4,658.6	5,803.3
25 Pay telephone compensation from toll carriers	120.2	154.9	275.0	4.5	5.0	9.5	77.3	60.0	137.2	201.9	219.8	421.8
26 Other local telecommunications service revenues	253.2	48.1	301.3	90.3	22.2	112.5				343.5	70.3	413.8
27 Universal service support receipts	377.6	1,016.7	1,394.3	1.7	3.1	4.7				379.3	1,019.7	1,399.0
Total fixed local service provided for resale	11,159.1	16,254.0	27,413.0	965.9	385.5	1,351.4	77.8	60.3	138.1	12,202.7	16,699.8	28,902.5
Mobile service:												
28 Wireless telephony, paging messaging, and other mobile service monthly, activation, and message charges except toll	186.2	0.3	186.5	0.9		0.9				187.1	0.3	187.4
Total mobile service provided for resale	186.2	0.3	186.5	0.9		0.9				187.1	0.3	187.4
Toll service:												
29 Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.)	9.0	11.1	20.1	0.2	*	0.2	9.2	8.6	17.7	18.4	19.7	38.0
30 Other switched toll service (includes MTS, 800/888 service, etc.)	225.9	9.5	235.5	19.1	84.8	104.0				245.1	94.4	339.5
31 Long distance private line services	25.4	11.2	36.6	27.9	22.3	50.2				53.2	33.6	86.8
32 Satellite services	0.1		0.1		2.2	2.2				0.1	2.2	2.3
33 All other long distance services	55.4	4.6	60.0		23.9	23.9				55.4	28.4	83.9
Total toll service provided for resale	315.8	36.4	352.2	47.2	133.3	180.5	9.2	8.6	17.7	372.2	178.3	550.5
Total service provided for resale (Carrier's Carrier)	11,661.1	16,290.7	27,951.8	1,014.0	518.8	1,532.8	86.9	68.8	155.8	12,762.1	16,878.4	29,640.4

Note: Figures may not add due to rounding. * Denotes figures greater than \$0 but less than \$50,000.

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

FCC 457 Line #	Table 1.6 1998 Revenue for Services Provided to End Users Reported by Carriers that Contribute to Universal Service Support Mechanisms * (Amounts shown in millions)												
	Sales by RBOCS and Other Incumbent LECs			Sales by CLECs and Other Primarily Local Competitors			Sales by Payphone Providers			Sales by Local Service Providers			
	Intrastate	Interstate	Total	Intrastate	Interstate	Total	Intrastate	Interstate	Total	Intrastate	Interstate	Total	
Fixed local service:													
34	Monthly service, local calling, connection charges, vertical features, inside wiring maintenance, and other local exchange service charges except for tariffed subscriber line charges	\$53,480.2	\$150.2	\$53,630.5	\$697.3	\$85.7	\$783.1	*	*	*	\$54,177.6	\$236.0	\$54,413.6
35	Tariffed subscriber line charges	253	9,526	9,779	2	68	70				255	9,594	9,849
	Local exchange service (line 34 + line 35)	53,734	9,676	63,409	699	154	853	*	*	*	54,433	9,830	64,262
36	Local private line and special access service	2,393	1,715	4,109	215	152	367				2,609	1,867	4,476
37	Pay telephone coin revenues	1,310	1	1,311	33	3	35	673	77	750	2,015	81	2,096
38	Other local telecommunications service revenues	1,510	86	1,596	80	23	102	1	0	1	1,591	108	1,699
	Total fixed local service	58,947	11,478	70,424	1,027	331	1,358	674	77	751	60,648	11,886	72,534
Mobile service:													
39	Monthly and activation charges	131	1	131	24	1	25				155	1	156
40	Message charges including roaming but excluding toll charges	111	0	111	10	2	12				121	3	123
	Total Mobile Service	241	1	242	34	3	37				275	4	279
Toll service:													
41	Pre-paid calling card (including card sales to customers and to retail establishments)	17	0	17	0	1	1	*	*	*	17	1	18
42	International calls that both originate and terminate in foreign points		*	*		0	0					0	0
43	Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.) other than revenue reported on line 42	335	11	346	5	34	39	125	8	133	465	53	518
44	Other switched toll service (includes MTS, 800/888 service, etc.)	6,922	308	7,229	218	666	884				7,140	973	8,113
45	Long distance private line services	1,341	2	1,343	24	44	68				1,365	46	1,411
46	Satellite services	0		0		26	26				0	26	26
47	All other long distance services	102	6	108	17	8	24				119	14	133
	Total toll service (excluding Line 42 calls that both originate and terminate in foreign points)	8,717	327	9,044	264	778	1,042	125	8	133	9,106	1,113	10,219
48	Charges on end user bills identified as recovering state or federal universal service contributions	51	0	51	5	9	14		0	0	56	10	66
49	Total end user revenue (excluding Line 42)	67,956	11,806	79,762	1,330	1,121	2,451	799	85	884	70,085	13,012	83,097
	Total service provided for resale	11,661	16,291	27,952	1,014	519	1,533	87	69	156	12,762	16,878	29,640
	<u>Total end user revenue (including Line 42)</u>	<u>67,956</u>	<u>11,806</u>	<u>79,762</u>	<u>1,330</u>	<u>1,122</u>	<u>2,452</u>	<u>799</u>	<u>85</u>	<u>884</u>	<u>70,085</u>	<u>13,012</u>	<u>83,098</u>
	Total telecommunications revenue	79,617	28,097	107,714	2,344	1,640	3,984	886	154	1,040	82,847	29,891	112,738
50	Enhanced services, billing and collection, customer premises equipment, published directory and non-telecommunications service revenue			10,609			518			51			11,179
51	Gross billed revenue from all sources			118,323			4,502			1,092			123,917

See notes with Table 5

FCC 457 Line #		Table 1.7 1998 Telecommunications Revenues: All Carriers											
		(Amounts shown in millions)											
		Sales by RBOCS and Other Incumbent LECs			Sales by CLECs and Other Primarily Local Competitors			Sales by Payphone Providers			Sales by Local Service Providers		
		Intrastate	Interstate	Total	Intrastate	Interstate	Total	Intrastate	Interstate	Total	Intrastate	Interstate	Total
Universal Service Worksheet Data: *													
Per minute access	\$8,533.6	\$9,348.2	\$17,881.8	\$320.2	\$43.6	\$363.8	*	*		\$8,853.9	\$9,391.7	\$18,245.6	
Other local service revenue	61,616.2	18,384.0	80,000.9	1,676.7	675.6	2,353.5	752.2	137.2	889.4	64,045.5	19,202.3	83,247.8	
Local service revenue	70,149.8	27,732.1	97,882.7	1,996.9	719.2	2,717.3	752.2	137.2	889.4	72,899.3	28,594.1	101,493.4	
Mobile service revenue	427.6	1.1	428.7	35.1	3.0	38.2				462.6	4.1	466.7	
Toll service revenue	9,039.6	363.2	9,402.1	312.1	918.1	1,228.9	133.9	16.7	150.7	9,485.4	1,292.5	10,777.9	
Total telecommunications revenue included on Universal Service Worksheets	79,617.1	28,096.5	107,713.6	2,344.1	1,640.3	3,984.4	886.1	154.0	1,040.1	82,847.3	29,890.7	112,738.0	
TRS Worksheet Data: ESTIMATED*													
<i>Revenues reported by service providers that filed TRS Worksheets but not Universal Service Worksheets:</i>													
Per minute access			349.8			16.0			0.0			365.8	
Other local service revenue			143.5			33.2			4.1			180.8	
Local service revenue			493.3			49.2			4.1			546.6	
Mobile service revenue			0.5			0.0			0.3			0.8	
Toll service revenue			26.6			0.8			56.3			83.7	
Total telecommunications revenue not included on Universal Service Worksheets			520.4			50.0			60.6			631.0	
USF and TRS worksheet data combined: *													
Per minute access			18,231.6			379.8			0.0			18,611.4	
Other local service revenue			80,144.4			2,386.7			893.5			83,428.6	
Local service revenue			98,376.0			2,766.5			893.5			102,040.0	
Mobile service revenue			429.2			38.2			0.3			467.5	
Toll service revenue			9,428.7			1,229.7			207.0			10,861.6	
Total Telecommunications Revenue			108,234.0			4,034.4			1,100.7			113,369.0	
Percentage of revenue by line of business													
Per minute access			16.8%			9.4%			0.0%			16.4%	
Other local service revenue			74.0%			59.2%			81.2%			73.6%	
Local service revenue			90.9%			68.6%			81.2%			90.0%	
Mobile service revenue			0.4%			0.9%			0.0%			0.4%	
Toll service revenue			8.7%			30.5%			18.8%			9.6%	

Note: Figures may not add due to rounding.

* Carriers file Universal Service Worksheets if their contribution to universal service support mechanisms, based on the amount of end user revenue that they provide, would exceed \$10,000. Thus, about half of all carriers do not file Universal Service worksheets. These exempt carriers, however, do file TRS worksheets. The combined data best represents the entire industry. Summaries based on 1997 TRS data are shown because 1998 TRS data is not yet available.

Telecommunications Service Providers that filed a Universal Service Worksheet	Table 1.5 (continued)												
	1998 Revenue for Services Provided to Other Carriers for Resale Reported by Carriers that Contribute to Universal Service Support Mechanisms * (Amounts shown in millions)												
	Sales by Cellular, PCS and Other Wireless Telephony Providers			Sales by Other Wireless Service Providers			Sales by Toll Service Providers			Sales by All Reporting Companies			
FCC 457 Line #	Intrastate	Interstate	Total	Intrastate	Interstate	Total	Intrastate	Interstate	Total	Intrastate	Interstate	Total	
Fixed local service:													
Monthly service, local calling, connection charges, vertical features, inside wiring maintenance, and other local exchange service:													
22 a	Provided as unbundled network elements	\$0.3		\$0.3			\$14.0		\$14.0	\$144.3		\$144.3	
22 b	Provided under tariffs or arrangements other than unbundled network elements	1.2	0.5	1.7			2.7	0.1	2.9	1,153.4	1,340.2	2,493.6	
Per minute charges for originating or terminating calls													
23 a	Provided as unbundled network elements or other contract arrangement	18.3		18.3			70.1		70.1	512.8		512.8	
23 b	Provided under state or federal access tariff	7.6	0.1	7.7	0.1	0.1	0.2	58.0	49.2	107.2	8,495.1	9,441.1	17,936.2
Total per minute access charges													
		25.9	0.1	26.0	0.1	0.1	0.2	128.1	49.2	177.3	9,007.9	9,441.1	18,449.0
24	Local private line & special access	2.1	*	2.1			10.9	38.4	49.3	1,157.7	4,697.0	5,854.8	
25	Pay telephone compensation from toll carriers	0.6	0.6	1.2			1.7	1.3	3.0	204.2	221.7	425.9	
26	Other local telecommunications service revenues	3.9		3.9			4.2	10.9	15.2	351.6	81.2	432.8	
27	Universal service support receipts						5.9	1.2	7.1	385.1	1,020.9	1,406.1	
Total fixed local service provided for resale													
		33.9	1.2	35.1	0.1	0.1	0.2	167.5	101.2	268.7	12,404.2	16,802.2	29,206.5
Mobile service:													
28	Wireless telephony, paging messaging, and other mobile service monthly, activation, and message charges except toll	2,177.7	85.8	2,263.5	482.7	81.7	564.4	29.4	*	29.4	2,876.8	167.8	3,044.6
Total mobile service provided for resale													
		2,177.7	85.8	2,263.5	482.7	81.7	564.4	29.4	*	29.4	2,876.8	167.8	3,044.6
Toll service:													
29	Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.)	27.2	*	27.2	0.1	*	0.2	89.9	215.2	305.1	135.6	234.9	370.5
30	Other switched toll service (includes MTS, 800/888 service, etc.)	111.4	182.2	293.5	17.1	4.2	21.3	2,031.7	6,374.3	8,406.0	2,405.3	6,655.1	9,060.3
31	Long distance private line services	0.8	0.4	1.2			537.6	1,355.9	1,893.5	591.7	1,389.8	1,981.5	
32	Satellite services						10.7	28.9	39.5	10.8	31.1	41.9	
33	All other long distance services	19.2	7.1	26.3			288.6	1,398.7	1,687.3	363.2	1,434.3	1,797.5	
Total toll service provided for resale													
		158.6	189.6	348.2	17.2	4.2	21.5	2,958.5	9,373.0	12,331.5	3,506.5	9,745.2	13,251.6
Total service provided for resale (Carrier's Carrier)													
		2,370.2	276.6	2,646.8	500.0	86.0	586.0	3,155.3	9,474.3	12,629.5	18,787.5	26,715.2	45,502.7

Note: Figures may not add due to rounding. * Denotes figures greater than \$0 but less than \$50,000.

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

Telecommunications Service Providers that filed a Universal Service Worksheet		Table 1.6 (continued)											
		1998 Revenue for Services Provided to End Users Reported by Carriers that Contribute to Universal Service Support Mechanisms * (Amounts shown in millions)											
		Sales by Cellular, PCS and Other Wireless Telephony Providers			Sales by Other Wireless Service Providers			Sales by Toll Service Providers			Sales by All Reporting Companies		
FCC 457 Line #	Intrastate	Interstate	Total	Intrastate	Interstate	Total	Intrastate	Interstate	Total	Intrastate	Interstate	Total	
Fixed local service:													
34	Monthly service, local calling, connection charges, vertical features, inside wiring maintenance, and other local exchange service charges except for tariffed subscriber line charges	\$31.3	\$2.0	\$33.3	\$0.1	\$0.1	\$679.3	\$74.9	\$754.2	\$54,888.4	\$312.8	\$55,201.2	
35	Tariffed subscriber line charges	0.1	0.2	0.2		*	26.6	1,176.6	1,203.2	281.7	10,770.6	11,052.3	
	Local exchange service (line 34 + line 35)	31.3	2.2	33.5	0.1	*	705.9	1,251.5	1,957.4	55,170.0	11,083.5	66,253.5	
36	Local private line and special access service	1.6	0.1	1.6	*	*	50.6	20.3	70.9	2,660.6	1,887.6	4,548.2	
37	Pay telephone coin revenues	*	*	*			8.4	5.4	13.8	2,023.8	86.1	2,109.9	
38	Other local telecommunications service revenues	0.6	*	0.6	1.5	0.2	24.7	20.2	44.8	1,618.1	128.4	1,746.5	
	Total fixed local service	33.5	2.2	35.7	1.6	0.2	789.6	1,297.4	2,087.0	61,472.6	13,185.5	74,658.1	
Mobile service:													
39	Monthly and activation charges	12,899.2	1,161.6	14,060.8	2,168.5	286.8	2,455.3	401.0	3.0	404.0	15,623.2	1,452.8	17,076.0
40	Message charges including roaming but excluding toll charges	13,288.8	1,690.1	14,978.9	463.7	197.2	660.9	281.4	74.9	356.3	14,154.7	1,964.7	16,119.4
	Total Mobile Service	26,188.0	2,851.7	29,039.7	2,632.2	484.1	3,116.3	682.4	77.9	760.3	29,777.9	3,417.4	33,195.3
Toll service:													
41	Pre-paid calling card (including card sales to customers and to retail establishments)	10.5	0.9	11.5	*	0.1	282.0	962.9	1,244.9	309.7	964.8	1,274.5	
42	International calls that both originate and terminate in foreign points		1.6	1.6		2.5		1,116.1	1,116.1		1,120.5	1,120.5	
43	Operator and toll calls with alternative billing arrangements (credit card, collect, international call-back, etc.) other than revenue reported on line 42	6.7	1.7	8.4	0.2	4.9	2,960.9	5,947.0	8,907.9	3,433.0	6,006.6	9,439.6	
44	Other switched toll service (includes MTS, 800/888 service, etc.)	510.3	365.8	876.1	35.2	16.0	15,334.2	40,733.1	56,067.3	23,019.8	42,088.0	65,107.8	
45	Long distance private line services	5.4	7.9	13.3			1,634.8	6,912.3	8,547.0	3,004.9	6,965.9	9,970.9	
46	Satellite services					1.3	9.2	119.7	128.8	9.3	147.4	156.6	
47	All other long distance services	42.5	31.9	74.4	0.1	*	401.9	781.1	1,183.0	563.1	827.2	1,390.3	
	Total toll service (excluding Line 42 calls that both originate and terminate in foreign points)	575.5	408.2	983.7	35.5	22.4	20,623.0	55,456.0	76,079.0	30,339.9	56,999.8	87,339.6	
48	Charges on end user bills identified as recovering state or federal universal service contributions	226.2	65.0	291.3	27.4	19.3	637.7	1,217.1	1,854.8	947.6	1,311.0	2,258.5	
49	Total end user revenue (excluding Line 42)	27,023.2	3,327.1	30,350.3	2,696.7	526.0	3,222.8	22,732.7	58,048.4	80,781.1	122,538.0	74,913.6	197,451.6
	Total service provided for resale	2,370.2	276.6	2,646.8	500.0	86.0	586.0	3,155.3	9,474.3	12,629.5	18,787.5	26,715.2	45,502.7
	<u>Total end user revenue (including Line 42)</u>	<u>27,023.2</u>	<u>3,328.8</u>	<u>30,352.0</u>	<u>2,696.7</u>	<u>528.6</u>	<u>3,225.3</u>	<u>22,732.7</u>	<u>59,164.5</u>	<u>81,897.2</u>	<u>122,538.0</u>	<u>76,034.1</u>	<u>198,572.1</u>
	Total telecommunications revenue	29,393.4	3,605.4	32,998.8	3,196.7	614.5	3,811.3	25,888.0	68,638.7	94,526.7	141,325.4	102,749.4	244,074.8
50	Enhanced services, billing and collection, customer premises equipment, published directory and non-telecommunications service revenue			4,243.7			1,457.1		11,064.7			27,944.0	
51	Gross billed revenue from all sources			37,242.5			5,268.4		105,591.4			272,018.8	

See notes with Table 5

FCC 457 Line #		Table 1.7 (continued) 1998 Telecommunications Revenues: All Carriers (Amounts shown in millions)											
		Sales by Cellular, PCS and Other Wireless Telephony Providers			Sales by Other Wireless Service Providers			Sales by Toll Service Providers			Sales by All Reporting Companies		
		Intrastate	Interstate	Total	Intrastate	Interstate	Total	Intrastate	Interstate	Total	Intrastate	Interstate	Total
Universal Service Worksheet Data: *													
	Per minute access	\$25.9	\$0.1	\$26.0	\$0.1	0.1	\$0.2	\$128.1	\$49.2	\$177.3	\$9,008.0	\$9,441.1	\$18,449.1
	<u>Other local service revenue</u>	<u>41.9</u>	<u>3</u>	<u>45.2</u>	<u>1.7</u>	<u>0.2</u>	<u>1.9</u>	<u>851.8</u>	<u>1,377.2</u>	<u>2,227.4</u>	<u>64,940.9</u>	<u>20,583.1</u>	<u>85,522.3</u>
	Local service revenue	67.7	4	71.2	1.8	0.3	2.0	979.8	1,426.4	2,404.7	73,948.6	30,024.3	103,971.3
	Mobile service revenue	28,586.7	2,994	31,584.5	3,141.9	584.2	3,726.5	731.5	79.5	807.5	32,922.7	3,662.1	36,585.2
	<u>Toll service revenue</u>	<u>738.9</u>	<u>608</u>	<u>1,343.1</u>	<u>53.1</u>	<u>30</u>	<u>82.8</u>	<u>24,176.7</u>	<u>67,132.8</u>	<u>91,314.5</u>	<u>34,454.1</u>	<u>69,062.9</u>	<u>103,518.3</u>
	Total telecommunications revenue included on Universal Service Worksheets	29,393.4	3,605	32,998.8	3,196.7	614.5	3,811.3	25,888.0	68,638.7	94,526.7	141,325.4	102,749.3	244,074.8
TRS Worksheet Data: ESTIMATED*													
<i>Revenues reported by service providers that filed TRS Worksheets but not Universal Service Worksheets:</i>													
	Per minute access			0.0			0.0			21.1			386.9
	<u>Other local service revenue</u>			<u>6.3</u>			<u>0.9</u>			<u>20.5</u>			<u>208.5</u>
	Local service revenue			6.3			0.9			41.7			595.4
	Mobile service revenue			131.6			57.0			0.0			189.4
	<u>Toll service revenue</u>			<u>2.6</u>			<u>23.1</u>			<u>1,423.1</u>			<u>1,532.4</u>
	Total telecommunications revenue not included on Universal Service Worksheets			140.4			81.0			1,464.8			2,317.2
USF and TRS worksheet data combined: *													
	Per minute access			26.0			0.2			198.4			18,836.0
	<u>Other local service revenue</u>			<u>51.5</u>			<u>2.8</u>			<u>2,247.9</u>			<u>85,730.8</u>
	Local service revenue			77.5			2.9			2,446.4			104,566.7
	Mobile service revenue			31,716.1			3,783.5			807.5			36,774.6
	<u>Toll service revenue</u>			<u>1,345.7</u>			<u>105.9</u>			<u>92,737.6</u>			<u>105,050.7</u>
	Total Telecommunications Revenue			33,139.2			3,892.3			95,991.5			246,392.0
Percentage of revenue by line of business													
	Per minute access			0.1%			0.0%			0.2%			7.6%
	<u>Other local service revenue</u>			<u>0.2%</u>			<u>0.1%</u>			<u>2.3%</u>			<u>34.8%</u>
	Local service revenue			0.2%			0.1%			2.5%			42.4%
	Mobile service revenue			95.7%			97.2%			0.8%			14.9%
	Toll service revenue			4.1%			2.7%			96.6%			42.6%

Note: Figures may not add due to rounding.

* Carriers file Universal Service Worksheets if their contribution to universal service support mechanisms, based on the amount of end user revenue that they provide, would exceed \$10,000. Thus, about half of all carriers do not file Universal Service worksheets. These exempt carriers, however, do file TRS worksheets. The combined data best represents the entire industry. Summaries based on 1997 TRS data are shown because 1998 TRS data is not yet available.

Revenue for Telecommunications Service Providers that filed a Universal Service Worksheet or a TRS Worksheet	Table 1.8: Revenue by Type of Filer for 1998 (Amounts shown in millions)												
	Data filed on Universal Service Worksheets												
	Carrier's Carrier Revenue				End User Revenue **						Total Telcom.**	Other Revenue	Gross Revenue
	Local	Mobile	Toll	Total	Local	Mobile	Toll	Intrastate	Interstate	Total			
Regional Bell Operating Companies	\$17,059.5	\$180.7	\$247.5	\$17,487.7	\$53,867.6	\$122.2	\$6,777.9	\$51,429.5	\$9,338.3	\$60,767.7	\$78,255.5	\$6,708.8	\$84,964.3
Other Incumbent Local Exchange Carriers (ILECs)	10,353.5	5.8	104.7	10,464.1	16,602.2	120.0	2,271.9	16,526.5	2,467.5	18,994.0	29,458.1	3,900.6	33,358.7
All ILECs	27,413.0	186.5	352.2	27,951.8	70,469.8	242.2	9,049.8	67,956.0	11,805.8	79,761.8	107,713.6	10,609.4	118,322.9
Pay Telephone Service Providers	138.1		17.7	155.8	751.3		133.0	799.2	85.1	884.3	1,040.1	51.4	1,091.5
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	1,339.8		117.4	1,457.3	1,049.1	4.6	787.8	970.8	870.8	1,841.5	3,299.0	302.9	3,602.0
Local Resellers	5.5		40.9	46.4	220.4	20.1	123.0	234.3	129.2	363.5	410.0	42.0	452.0
Private Carriers	1.0		22.1	23.2	46.8	3.4	73.2	62.8	60.6	123.4	146.5	125.5	272.1
Shared Tenant Services Providers	0.2			0.2	42.9		50.2	48.2	44.9	93.1	93.3	42.7	136.0
Other Local Exchange Carriers	4.9	0.9		5.8	6.4	9.3	14.0	14.0	15.7	29.7	35.5	4.5	40.0
Local Service Providers Other Than ILECs and Pay Telephone Providers	1,351.4	0.9	180.5	1,532.8	1,365.6	37.4	1,048.2	1,330.1	1,121.2	2,451.3	3,984.4	517.7	4,502.1
Local Service Providers	28,902.5	187.4	550.5	29,640.4	72,586.7	279.6	10,231.0	70,085.3	13,012.1	83,097.4	112,738.0	11,178.5	123,916.6
Wireless Telephony including Cellular, Personal Communications Service (PCS) and SMR - Telephony Carriers	35.1	2,263.5	348.2	2,646.8	36.1	29,321.1	993.2	27,023.2	3,327.1	30,350.3	32,998.8	4,243.7	37,242.5
Paging Services Providers	0.2	441.6	0.2	442.0	1.9	2,625.4	20.3	2,317.7	329.8	2,647.6	3,089.6	1,323.2	4,412.8
SMR Dispatch & Other Mobile Services Providers		122.7	21.3	144.0		536.7	38.5	379.0	196.2	575.2	721.7	133.9	855.6
All Wireless Service Providers	35.3	2,827.8	369.7	3,232.8	38.0	32,483.2	1,052.0	29,720.0	3,853.2	33,573.1	36,810.1	5,700.8	42,510.9
Interexchange Carriers (IXCs)	128.4	0.2	10,427.2	10,555.8	1,861.7	303.8	69,714.2	19,542.2	52,337.6	71,879.7	83,254.4	9,342.9	92,597.3
Operator Service Providers (OSPs)	5.6		21.1	26.8	29.6	116.9	387.0	231.8	301.7	533.5	560.3	114.5	674.9
Pre-paid Calling Card Providers	0.3		126.7	127.0	0.2	0.3	737.2	158.2	579.5	737.7	866.6	56.6	923.3
Satellite Service Carriers			19.2	19.2	0.1		116.2	7.9	108.4	116.3	138.1	1,245.1	1,383.1
Toll Resellers	118.7	29.0	1,267.4	1,415.2	223.0	357.1	6,757.2	2,746.3	4,590.9	7,337.3	9,018.5	261.0	9,279.5
Other Toll Carriers	15.6	0.1	470.0	485.7	21.7	*	154.8	46.3	130.3	176.5	688.7	44.5	733.3
All Toll Service Providers	268.7	29.4	12,331.5	12,629.5	2,136.3	778.1	77,866.6	22,732.7	58,048.4	80,781.1	94,526.7	11,064.7	105,591.4
All Interstate Service Providers	\$29,206.5	\$3,044.6	\$13,251.6	\$45,502.7	\$74,761.0	\$33,540.9	\$89,149.6	\$122,538.0	\$74,913.6	\$197,451.6	\$244,074.8	\$27,944.0	\$272,018.8

Revenue for Telecommunications Service Providers that filed a Universal Service Worksheet or a TRS Worksheet	Table 1.8: Revenue by Type of Filer for 1998 (Amounts shown in millions) - continued -											
	Data filed on TRS worksheets [based on 1997 data] by Carriers that did not also file USF worksheets (Gross Revenue)						All Telecommunications Service Providers **					
	Local	Mobile	Toll	Intrastate	Interstate	Total	Local	Mobile	Toll	Intrastate	Interstate	Total
Regional Bell Operating Companies							\$70,927.1	\$302.9	\$7,025.4	\$57,911.3	\$20,344.2	\$78,255.5
Other Incumbent Local Exchange Carriers (ILECs)	\$493.3	\$0.5	\$26.6	\$304.3	\$216.1	\$520.4	27,449.0	126.3	2,403.2	22,010.1	7,968.4	29,978.5
All ILECs	493.3	0.5	26.6	304.3	216.1	520.4	98,376.1	429.2	9,428.6	79,921.4	28,312.6	108,234.0
Pay Telephone Service Providers	4.1	0.3	56.3	50.5	10.1	60.6	893.5	0.3	207.0	936.6	164.0	1,100.7
Competitive Access Providers (CAPs) and Competitive Local Exchange Carriers (CLECs)	48.6		0.8	15.4	34.0	49.4	2,437.5	4.6	906.2	1,971.7	1,376.8	3,348.4
Local Resellers							225.9	20.1	163.9	249.7	160.2	409.9
Private Carriers	*			*		*	47.8	3.4	95.3	73.3	73.3	146.6
Shared Tenent Services Providers							43.1	0.0	50.2	48.4	44.9	93.3
Other Local Exchange Carriers	0.6			0.0	0.6	0.6	11.9	10.2	14.0	16.5	19.6	36.1
Local Service Providers Other Than ILECs and Pay Telephone Providers	49.2	0.0	0.8	5.3	44.7	50.0	2,766.2	38.3	1,229.7	2,349.4	1,684.9	4,034.3
Local Service Providers	546.5	0.8	83.7	370.2	260.8	631.0	102,035.7	467.8	10,865.4	83,217.6	30,151.5	113,369.0
Wireless Telephony including Cellular, Personal Communications Service (PCS) and SMR - Telephony Carriers	6.3	131.6	2.6	126.5	13.9	140.4	77.5	31,716.2	1,345.6	29,519.9	3,619.2	33,139.2
Paging Services Providers	0.4	48.7	22.2	45.2	26.1	71.3	2.5	3,115.7	42.7	2,735.3	425.5	3,160.9
SMR Dispatch & Other Mobile Services Providers	0.5	8.3	0.9**	8.4	1.4	9.8	0.5	667.7	63.2	515.0	216.5	731.5
All Wireless Service Providers	7.2	188.6	25.7	180.0	41.4	221.4	80.5	35,499.6	1,451.6	32,770.2	4,261.4	37,031.7
Interexchange Carriers (IXCs)	0.7	*	187.8	44.4	144.1	188.5	1,990.8	304.0	81,148.1	22,305.4	61,137.5	83,442.9
Operator Service Providers (OSPs)	3.4		26.0	13.9	15.5	29.4	38.6	116.9	434.2	249.1	340.6	589.7
Pre-paid Calling Card Providers			21.7	6.5	15.2	21.7	0.5	0.3	887.6	169.0	719.4	888.4
Satellite Service Carriers			336.6	24.7	311.9	336.6	0.1	0.0	474.5	32.6	442.0	474.6
Toll Resellers	22.5		844.4	134.1	732.8	866.9	364.2	386.1	9,135.1	3,280.8	6,604.6	9,885.4
Other Toll Carriers	15.1		6.6	8.8	12.9	21.7	52.4	0.1	657.9	83.4	627.1	710.5
All Toll Service Providers	41.7	*	1,423.1	232.4	1,232.4	1,464.8	2,446.7	807.5	92,737.3	26,120.4	69,871.2	95,991.6
All Interstate Service Providers	\$595.4	\$189.4	\$1,532.4	\$782.5	\$1,534.7	\$2,317.2	\$104,562.9	\$36,774.9	\$105,054.1	\$142,108.0	\$104,284.0	\$246,392.0

Note: Figures may not add due to rounding.

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

** End user revenue excludes international-to-international revenue (see Line 42, Table 6). International-to-international revenue is included in total telecommunications revenue reported by Universal Service Worksheet filers and in revenue amounts shown for all telecommunications services providers.

Table 1.9: Universal Service Program Requirements and Fund Factors

(Amounts shown in millions)

	1998				year
	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	
High Cost and Low Income Support Mechanisms					
	Based on first half 1997 Revenue		Based on second half 1997 Revenue		
Interstate and international end user revenues					
Reported contribution base revenues	\$35,001	\$35,303	\$34,719	\$34,228	
Adjustment for uncollectibles				1.0%	
Contribution base at the time the factor was calculated	\$35,001	\$35,303	\$34,719	\$33,885	
Projections of demand and administration expenses at the time the fund factors were adopted					
High Cost					
Program demand	\$434.0	\$431.1	\$414.1	\$422.5	
Administrative	\$1.1	\$0.9	\$0.8	\$1.9	
Interest income	(\$1.0)	(\$0.9)	(\$0.7)	(\$0.7)	
Periodic True-ups					
Total	\$434.1	\$431.1	\$414.2	\$423.7	
Low Income					
Program demand	\$125.0	\$122.3	\$125.3	\$116.4	
Administrative	\$0.6	\$0.4	\$0.4	\$0.3	
Interest income	(\$0.3)	(\$0.3)	(\$1.0)	(\$1.0)	
Periodic True-ups					
Total	\$125.3	\$122.4	\$124.7	\$115.8	
Total High Cost and Low Income	\$559.4	\$553.5	\$538.9	\$539.4	\$2,191.2
Contribution factor	0.0319	0.0314	0.0314	0.0318	
Contribution factor times 1/2 of contribution base	\$558.3	\$554.3	\$545.1	\$538.8	\$2,196.4
Actual contribution amounts billed to carriers during quarter					
High Cost	\$438.7	\$433.1	\$409.1	\$417.9	
Low Income	\$126.6	\$123.0	\$123.2	\$114.1	
Refunds and adjustments to reflect contributor bankruptcy	\$0.0	\$0.0	(\$0.9)	(\$1.2)	
Total	\$565.3	\$556.1	\$531.4	\$530.8	\$2,183.6
Actual requirements approved for payment					
High Cost	\$420.4	\$422.8	\$426.9	\$426.9	
Low Income	\$105.2	\$112.8	\$118.0	\$135.5	
Total	\$525.6	\$535.6	\$544.9	\$562.4	\$2,168.5
Schools, Libraries & Rural Health Support Mechanisms					
	Based on first half 1997 Revenue		Based on second half 1997 Revenue		
Local, Interstate and International End User Revenue					
Reported contribution base revenues	\$89,827	\$92,186	\$94,066	\$94,482	
Adjustment for uncollectibles				1.0%	
Contribution base at the time the factor was calculated	\$89,827	\$92,186	\$94,066	\$93,537	
Projections of demand and administration expenses at the time the fund factors were adopted					
Schools & Libraries					
Program demand	\$299.3	\$322.4	\$690.0	\$320.1	
Administrative	\$2.7	\$4.4	\$4.4	\$4.9	
Interest income	(\$2.0)	(\$1.8)	\$0.0	\$0.0	
Periodic True-ups					
Total **	\$300.0	\$325.0	\$325.0	\$325.0	
Rural Health					
Program demand	\$23.0	\$23.2	\$24.3	\$24.3	
Administrative	\$2.2	\$1.9	\$1.2	\$1.5	
Interest income	(\$0.2)	(\$0.1)	(\$0.5)	(\$0.8)	
Periodic True-ups					
Total **	\$25.0	\$25.0	\$25.0	\$25.0	
Total Schools & Libraries, and Rural Health Care	\$325.0	\$350.0	\$350.0	\$350.0	\$1,375.0
Contribution factor	0.0072	0.0076	0.0075	0.0075	
Contribution factor times 1/2 of contribution base	\$323.4	\$350.3	\$352.8	\$350.8	\$1,377.2
Actual contribution amounts billed to carriers during quarter					
Schools & Libraries	\$306.8	\$325.7	\$326.6	\$323.6	
Rural Health	\$25.6	\$25.1	\$25.1	\$24.9	
Refunds and adjustments to reflect contributor bankruptcy	\$0.0	\$0.0	(\$0.3)	(\$0.9)	
Total	\$332.4	\$350.8	\$351.4	\$347.5	\$1,382.1
Actual requirements approved for payment					
Schools & Libraries	\$0.0	\$0.0	\$0.0	\$0.0	
Rural Health	\$0.0	\$0.0	\$0.0	\$0.0	
Total	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0

See notes at end of table.

Table 1.9: Universal Service Program Requirements and Fund Factors (continued)

(Amounts shown in millions)

	1999				year
	First Quarter	Second * Quarter	Third Quarter	Fourth Quarter	
High Cost and Low Income Support Mechanisms	Based on first half 1998 Revenue		Based on second half 1998 Revenue		
Interstate and international end user revenues					
Reported contribution base revenues	\$37,062	\$36,979	\$38,366		
Adjustment for uncollectibles	1.0%	1.0%	1.0%		
Contribution base at the time the factor was calculated	\$36,691	\$36,609	\$37,982		
Projections of demand and administration expenses at the time the fund factors were adopted					
High Cost					
Program demand	\$439.1	\$433.3	\$432.8		
Administrative	\$2.2	\$1.1	\$1.2		
Interest income	(\$0.9)	(\$0.6)	(\$0.5)		
Periodic True-ups		\$5.4	(\$1.2)		
Total	\$440.4	\$439.2	\$432.3		
Low Income					
Program demand	\$144.0	\$124.8	\$122.7		
Administrative	\$0.5	\$0.5	\$0.5		
Interest income	(\$0.7)	(\$0.8)	(\$0.8)		
Periodic True-ups		(\$5.0)	\$2.8		
Total	\$143.8	\$119.5	\$125.2		
Total High Cost and Low Income	\$584.2	\$558.7	\$557.5		
Contribution factor	0.0318	0.0305	0.0294		
Contribution factor times 1/2 of contribution base	\$583.4	\$558.3	\$558.4		
Actual contribution amounts billed to carriers during quarter					
High Cost	\$444.3	\$444.3			
Low Income	\$145.1	\$120.9			
Refunds and adjustments to reflect contributor bankruptcy	(\$3.6)	(\$2.6)			
Total	\$585.7	\$562.5			
Actual requirements approved for payment					
High Cost	\$431.0	\$296.5			
Low Income	\$119.7	\$80.2			
Total	\$550.7				
Schools, Libraries & Rural Health Support Mechanisms	Based on first half 1998 Revenue		Based on second half 1998 Revenue		
Local, Interstate and International End User Revenue					
Reported contribution base revenues	\$98,510	\$98,672	\$100,947		
Adjustment for uncollectibles	1.0%	1.0%	1.0%		
Contribution base at the time the factor was calculated	\$97,525	\$97,685	\$99,938		
Projections of demand and administration expenses at the time the fund factors were adopted					
Schools & Libraries					
Program demand	\$319.9	\$318.2	\$555.7		
Administrative	\$10.2	\$6.8	\$6.8		
Interest income	(\$5.1)	(\$35.4)	(\$8.0)		
Periodic True-ups		(\$5.8)	(\$14.8)		
Total **	\$325.0		\$539.7		
Rural Health					
Program demand	\$0.0	\$0.0	\$0.0		
Administrative	\$0.0	\$0.0	\$0.0		
Interest income	\$0.0	(\$3.3)	(\$0.4)		
Periodic True-ups		(\$0.5)	(\$0.3)		
Total **	\$0.0	(\$3.8)	(\$0.7)		
Total Schools & Libraries, and Rural Health Care	\$325.0	(\$3.8)	\$539.0		
Contribution factor	0.0058	0.0057	0.0099		
Contribution factor times 1/2 of contribution base	\$282.8	\$278.4	\$494.7		
Actual contribution amounts billed to carriers during quarter					
Schools & Libraries	\$287.8	\$279.9			
Rural Health	\$0.1	\$0.0			
Refunds and adjustments to reflect contributor bankruptcy	(\$1.2)	(\$2.1)			
Total	\$286.7	\$277.8			
Actual requirements approved for payment					
Schools & Libraries	\$114.5	\$368.0			
Rural Health	\$0.0	\$0.0			
Total	\$114.5	\$368.0			

* Billings shown for second quarter represent projected billings. Actual requirements approved for payment shown for the second quarter represent actual amounts through June 11.

** In some cases the total represents a capped amount rather than the sum of the projected requirements.