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

December 30, 1998

FCC RELEASES 1997 INTERNATIONAL TRAFFIC DATA

The FCC has released a report prepared by the Common Carrier Bureau's Industry Analysis Division titled *1997 Section 43.61 International Telecommunications Data*.

Traffic between the United States and other countries is reported on a country-by-country basis for telephone, telegraph, telex and private line services. Although international traffic information is reported in great detail, it is not reported until after U.S. and foreign carriers can reconcile their books. Carriers were required to file their 1997 data by July 31, 1997, and revisions by October 31.

U.S. carriers reported that in 1997, they billed \$15.2 billion for international telephone service, \$.9 billion for private line services and \$.1 billion for other international services. U.S. carriers billed for 22.8 billion minutes of telephone service. U.S. carriers handled 21.7 billion of these minutes through traditional settlement arrangements, 1.1 billion of these minutes through International Simple Resale (ISR/Hubbing) arrangements and 16 million of these minutes through alternative settlement arrangements.

U.S. and foreign carriers compensate each other for completed calls. Because U.S. customers place more calls than do foreign customers, U.S. carriers make net payments to foreign carriers. The net amount was approximately \$5.5 billion in 1997, down from \$5.7 billion in 1996. U.S. carriers retained about \$10.8 billion of international revenues, up from \$9.4 billion in 1996.

The report is available for reference in the Common Carrier Bureau Reference Room, 2000 M Street, N.W., Room 575. Copies may be purchased by calling International Transcription Services, Inc., (ITS) at (202)857-3800. The report can be downloaded [BBS file names: 4361A97.ZIP, 4361B97.ZIP, 4361C97.ZIP, 4361D97.ZIP, and 4361E97.ZIP] from the **FCC-State Link** internet site, which can be reached through a link from the Common Carrier Bureau home page (<http://www.fcc.gov/ccb/stats>) on the World Wide Web. The report can also be downloaded from the **FCC-State Link** computer bulletin board system at (202) 418-0241.

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For additional information, contact Linda Blake or Jim Lande of the Bureau's Industry Analysis Division, (202) 418-0940, or for users of TTY equipment, call (202) 418-0484.

1997 Section 43.61 International Telecommunications Data

(Filed as of October 31, 1998)

December 1998

Linda Blake

Industry Analysis Division
Common Carrier Bureau
Federal Communications Commission
Washington, DC 20554



This report is available for reference in the Common Carrier Bureau's Public Reference Room, 2000 M Street, N.W., Room 575. Copies may be purchased by calling International Transcription Services, Inc., (ITS) at (202) 857-3800. The report can be downloaded [file names: 4361A97.ZIP, 4361B97.ZIP, 4361C97.ZIP, 4361D97.ZIP, and 4361E97.ZIP] from the **FCC-State Link** internet site at <http://www.fcc.gov/ccb/stats> on the World Wide Web. The report can also be downloaded from the **FCC-State Link** computer bulletin board system at (202) 418-0241.

Customer Response

Publication: 1997 Section 43.61 International Telecommunications Data,
December 1998

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

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- potential telecommunications carrier
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Questions? Contact Linda Blake (202-418-0945) or [LBLAKE@FCC.GOV] or Jim Lande (202-418-0948) or [JLANDE@FCC.GOV]		
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1997 Section 43.61 International Telecommunications Data

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1997 International Telecommunications Data

Introduction

This report contains data regarding telecommunications service between the United States and international points in 1997. The data are compiled from reports submitted to the Federal Communications Commission by U.S. carriers pursuant to Section 43.61 of the Commission's rules. Section 43.61(a) directs carriers to file reports by July 31 that summarize international telecommunications service provided during the preceding calendar year. Carriers submit their final data for the preceding calendar year by October 31. The specific filing requirements are set forth in the *Manual for Filing Section 43.61 Data* (June 1995), which governs filings beginning with the 1995 international traffic data.

The Commission summarizes these filings in statistical reports. The statistical reports are used to monitor the development of competition in international telecommunications markets. These reports are also used by the United States to develop and support positions in discussions with foreign governments and international standards organizations, and by the telecommunications industry for facilities planning.

Figure 1 summarizes the traffic and revenue data reported by all U.S. facilities-based and facilities-resale carriers for 1997, but do not include pure resale service. These categories are explained below.

Figure 1

1997	Traffic*	Revenue billed by U.S. carriers (millions)	Net settlements with foreign carriers (millions)	Net retained revenue** (millions)
Message Telephone	31,986	\$15,268	(\$5,453)	\$9,815
Message Telegraph	17	4	0	4
Teleprinter Exchange (Telex)	72	110	(12)	98
Private Line	19,122	851	none	851
Other and Miscellaneous	not meaningful	29	7	36
Total	not meaningful	\$16,262	(\$5,458)	\$10,804

* The following traffic measures are shown in the table:

Message Telephone: Millions of minutes;

Message Telegraph: Millions of words

Telex: Millions of minutes;

Private Line: Number of Circuits

Message and word counts include both U.S. billed traffic and foreign billed traffic that terminates in the United States, but excludes most traffic that transits the United States.

** Net U.S.-carrier revenue equals billed revenue plus settlement amounts receivable from foreign carriers less amounts due to foreign carriers. See Figure 4, below.

Reporting Requirements

Different levels of reporting are used for different categories of service. Figure 2 shows that carriers must report traffic and revenue on a country-by-country basis for the most prevalent communications services.

Figure 2

Service	Level of reporting for traffic and revenue for larger U.S. points *
<p>Traffic exchanged with foreign carriers under Traditional Settlement, International Simple Resale (ISR)/Hubbed, and Alternative Settlement Arrangements [Includes service provided over owned and resold circuits.]</p> <p>Switched Services Message Telephone Service Message Telegraph Service Teleprinter Exchange (Telex) Service</p> <p>Miscellaneous and Other International Services Packet Switching Switched Video Occasional Use Television</p>	<p>Country-by-country Country-by-country Country-by-country</p> <p>Region and world totals Region and world totals Region and world totals</p>
<p>Facilities-Based and Facilities-Resale Services</p> <p>Private Line Services</p>	<p>Country-by-country</p>
<p>Pure Resale Services (resale of underlying carrier switched services)</p>	<p>World totals</p>
<p>* Carriers may file world totals in lieu of country-by-country data for the smaller U.S. points identified in Figure 5.</p>	

International services are provided either on a facilities-based, facilities-resale, or pure resale basis. For categorizing traffic, **facilities-based** refers to services provided using international transmission facilities owned in whole or in part by the carrier providing service. Facilities-based carriers use one or more international channels of communications to provide international telecommunications service. An international channel is a wire or radio link that facilitates electronic communications between a U.S. point and a point outside the domestic United States (see Figure 5, below). A facilities-based carrier either owns international channels, has an ownership interest in the channel such as an indefeasible right of use (IRU), or leases the channel from an entity that does not report those circuits in its own Section 43.61 reports. For categorizing traffic, **facilities-resale** refers to services provided by a carrier utilizing international circuits leased from other reporting international carriers. The determination as to whether international private line services is reported as facilities-based or facilities-resale generally is based on the first international link of a circuit. If the carrier has an ownership interest in that link, or leases it from an entity that does not report that link, then service provided over that circuit will be reported as facilities-based. Otherwise, the international private line service should be reported as facilities-resale.

Carriers provide **pure resale** services by switching traffic to (and reselling the switched services of) other underlying U.S. carriers. The underlying carriers control the circuit that carries the traffic to the international point, arrange for termination of the traffic, and report the traffic on a country-by-country basis in their own Section 43.61 reports. Switchless resellers generally operate on a pure resale basis. A switchless reseller, however, could lease international circuits and operate on an ISR basis. Figure 2 shows that there are reduced reporting requirements for services provided on a pure resale basis. Some carriers report traffic carried over circuits that they own, over circuits that they lease from other carriers, as well as traffic that they handle on a pure resale basis (i.e., by reselling the switched services of underlying carriers). These carriers report detailed data for traffic that they carry over owned and resold circuits and summary data for switched traffic that they route to other U.S. carriers.

Starting with 1991 data filings, carriers were required to file facilities-based traffic separately from pure resale traffic. Facilities-resale traffic was not separated from facilities-based traffic. Beginning with the 1995 data filings, carriers were required to provide separate switched service and private line data for facilities-based and facilities resale services. At that time, a few carriers were offering international simple resale (ISR) services, which at that time consisted of telephone services provided over resold private lines, i.e. on a facilities-resale basis. The Commission subsequently allowed carriers to provide ISR services using owned circuits as well as using resold circuits. Beginning with the 1997 data filings, carriers were required to separate switched services data by the financial arrangements made with carriers in foreign countries for terminating that traffic. Carriers now classify traffic as traditional settlement with proportionate return, international simple resale including traffic hubbed through an intermediate foreign country, and alternative settlement arrangements approved under Section 64.1002 of the Commission's rules. These financial arrangements are discussed on page 5. Carriers continue to separately report facilities-based and facilities-resale private line services.

Carriers must report switched traffic in three broad categories: U.S. billed; foreign billed; and transiting. **U.S. billed** traffic includes all traffic billed by U.S. carriers, and includes most calls that originate in the United States, calls that are placed collect or "caller toll free" to the United States, U.S. carrier "country-beyond" and "country-direct" calls, and U.S. carrier reorigination traffic.

Country-direct and **country-beyond services** are U.S. carrier offerings that allow customers in foreign locations to route calls through U.S. carrier facilities to reach the United States (country-direct) or any world point (country-beyond). Country-direct and country-beyond services rely on alternative billing arrangements, such as credit cards, and enable the customer in a foreign point to be served by a U.S. carrier rather than by a foreign carrier. Note that U.S. carriers or their affiliates may operate in foreign countries as foreign carriers. They do not report 43.61 traffic on calls that they carry from one foreign country to another unless they carry this traffic through a United States point.

Reorigination traffic is billed by a foreign carrier, transits a U.S. carrier's facilities and terminates in a foreign point. Unlike traditional transiting arrangements, reorigination traffic is not settled pursuant to an accounting rate agreement between the originating and terminating carriers. Reorigination allows the foreign carrier to take advantage of the U.S. carrier's accounting rate agreement with the carrier in the terminating country. The U.S. carrier treats reorigination traffic like U.S. billed traffic when it settles with the carrier in the country of termination and reports this traffic as U.S. billed traffic for filing purposes.

In their public filings, carriers include country-direct, country-beyond and reorigination traffic with other U.S. billed traffic. In proprietary filings, carriers separate these services from other U.S. billed traffic. Table A1 shows that carriers reported 22.8 billion minutes of U.S. billed traffic in 1997, for which they billed \$15.3 billion. Table A65 shows that 21.3 billion of these minutes, and \$13.6 billion of this revenue was for calls that originated in the United States or terminated collect or caller toll free in the United States. Table A66 shows that .9 billion of these minutes and \$1.5 billion of this revenue was for country-direct and country-beyond type services. Table A67 shows that .5 billion of these minutes and \$.2 billion of this revenue was for reorigination services billed to foreign carriers.

Foreign billed traffic is all traffic billed by a foreign or correspondent carrier and includes most calls that originate in foreign points as well as collect and caller toll free calls placed by U.S. customers to foreign points. Foreign billed calls do not necessarily originate in the country for which the traffic is reported. In some cases, foreign carriers reoriginate traffic for other foreign carriers. U.S. carriers may not know which calls originated in a country and which calls had originated in some third country and then been reoriginated by the foreign carrier that sent the calls to the United States.

Transiting traffic is traffic that originates from an international point, is billed by a foreign or correspondent carrier, is routed through the U.S., and terminates at an international point. Transiting traffic is reported for the country in which the service is billed. Unlike

reorigination traffic, transiting traffic is settled based on the settlement rate between the actual countries of origination and destination.

As explained above, carriers separately report international switched telephone, telegraph, telex, and miscellaneous services based on the financial termination arrangements. **Traditional Settlement** traffic is settled according to the Commission's International Settlements Policy (ISP). (See 47 C.F.R. Sections 43.51(e) & 64.1001.) The settlement is based on the accounting rate, which is part of a compensation agreement negotiated between a U.S. carrier and its foreign correspondent on a particular international route. The ISP requires nondiscriminatory accounting rates among U.S. carriers on a given route and that the U.S. carrier and its foreign correspondent share the accounting rate on a 50/50 basis. The ISP also requires that the U.S. carrier agree to accept no more than its proportionate share of return traffic from the foreign carrier. Table A62 shows that U.S. carriers reported 21.7 billion minutes of U.S. billed traditional settlement traffic in 1997, for which they billed \$15.0 billion.

ISR/Hubbed traffic is switched traffic that is routed and settled by the U.S. carrier outside the traditional settlement process and that may be carried over private lines that are interconnected to the public switched network on one or both ends of the private line. The Commission allows carriers to use ISR as a means to route U.S.-inbound traffic between the United States and a limited number of approved countries. In many cases, U.S. carriers exchange traffic with a carrier in an approved country and that carrier "hubs" the call, i.e. terminates the call in or from a third country under a traditional settlement agreement. See 47 C.F.R. Sec. 63.17. Table A63 shows that U.S. carriers reported 1.1 billion U.S. billed ISR/Hubbed minutes of traffic in 1997, for which they billed \$.3 billion. U.S. carriers also reported receiving .3 billion foreign billed ISR/Hubbed minutes of traffic in 1997.

Alternative Settlement traffic is settled under Commission approved agreements that may deviate from the ISP pursuant to Section 64.1002 of the rules. See 47 C.F.R. Sec. 64.1002. These are also referred to as "flexible settlement" agreements. Table A64 shows that U.S. carriers reported 30 million minutes of U.S. billed alternative settlement traffic for 1997, for which they billed \$18 million. U.S. carriers also reported receiving 16 million minutes of foreign billed alternative settlement traffic in 1997.

Figure 3 summarizes the traffic measures required for each type of service.

Figure 3

Service	Traffic measures
Message Telephone Service	Messages* and minutes**
Message Telegraph Service	Messages* and words
Teleprinter Exchange (Telex) Service	Messages* and minutes
Private Line Services	Circuits at year-end, 64-kilobit equivalent circuits at year-end, revenue for the entire year
Miscellaneous Services	Kilo segments, hours, minutes, sessions, depending on service ***

* Carriers are not required to file message counts for transiting traffic.

** Many carriers have requested proprietary treatment for country-by-country transiting minutes. Both U.S. and foreign carriers compete for transiting traffic. The minutes data would allow competitors to estimate contract revenues per minute. The published tables contain region and world totals for transiting minutes.

*** Prior to filing 1995 data, carriers selected their own traffic measures for miscellaneous services.

For private line services, carriers report the number of actual circuits leased to customers at year-end. Beginning with their 1995 international traffic data, carriers also report these circuits in terms of voice-equivalent circuits. For lower bandwidths, this means reporting the number of 64-kilobit-per-second channels that would equal the actual circuits. An 18 megahertz video channel, however, should be reported as 240 voice-equivalent channels, a 24-megahertz video channel should be reported as 288 voice-equivalent channels, and a 36-megahertz video channel should be reported as 630 voice-equivalent channels. This is the same conversion factor used by carriers in preparing circuit data reports filed pursuant to Section 43.82 of the Commission's rules, and to calculate regulatory fees. Voice-equivalent circuits are denoted "64 K" in the attached tables.

Facilities-based U.S. and foreign carriers (often called post, telephone and telegraph administrations or PTTs) jointly provide most international services. This is not always apparent to the customer but is reflected in some of the traffic and revenue data that are filed. For

switched services, one carrier collects from customers and then compensates its foreign partners through the settlement process. Compensation is based on minutes of calling and on accounting rates specified in settlement agreements. The number of minutes used for settlement purposes is generally based on the number of conversation minutes. Carriers providing international simple resale and hubbed services may have settlement-like arrangements under which they compensate PTTs for traffic that originates or terminates at foreign points.

For facilities-based and facilities-resale services, carriers must report the minutes used for settlement purposes. Prior to 1991, carriers were directed to report billed minutes, rather than settlement minutes. Billed minutes tend to be greater than settlement minutes because some carriers bill in 30 second or whole minute increments. Pure resale carriers continue to file billed minutes, since they do not participate in the settlement process, and may not have access to settlement minutes data.

Country-beyond calls have two international legs. Carriers are instructed to report both the originating and terminating legs of such calls. Consequently, approximately two minutes will be reported for each conversation minute. Each leg of the call may have settlement payments and these payments should be reported for the appropriate country. Carriers are instructed to report all of the revenue by the country in which the call originates. Country-direct and country-beyond traffic cannot be separately identified from a carrier's publicly filed data. Similarly, an individual carrier's public data include reoriginated traffic. This traffic is included for the country in which the call terminates.

For U.S. billed switched services, the tables show the amount that the customers are billed for service, the corresponding settlement amount that the carrier owes to its foreign partner, and the amount of revenue that it retains. Carriers are instructed to report the actual amount of revenues that they bill for service, net of discounts. Many carriers offer discount plans that entitle customers to discounts based on the customer's total bill. Some carriers do not recalculate discounted bill amounts on a call-by-call basis. These carriers collect country-by-country revenue totals based on non-discounted rates and must estimate the amount of discounts for each country.

For foreign billed traffic, the tables show the settlement amounts owed to U.S. carriers by foreign carriers. These amounts are referred to as "Receipts from Foreign Carriers" in the tables. In the case of transiting traffic, the U.S. carrier often receives a transit fee for itself, and a settlement amount which is owed to the terminating carrier. Thus, the tables show receipts, payouts and a net amount for transiting traffic. Figure 4 shows the revenue relationships.

Figure 4

U.S. Billed Traffic	$\begin{aligned} & \text{Billed revenues} \\ & - \text{Settlements owed to foreign carriers} \\ & = \text{U.S. carrier retained revenue} \end{aligned}$
Foreign Billed Traffic	$\begin{aligned} & \text{Settlements due from foreign carriers} \\ & = \text{U.S. carrier retained revenue} \end{aligned}$
Transiting Traffic	$\begin{aligned} & \text{Transit fee and settlements due from foreign carriers} \\ & - \text{Settlements owed to foreign carriers} \\ & = \text{U.S. carrier retained revenue} \end{aligned}$
Total	$\begin{aligned} & \text{Retained revenue for U.S. billed} \\ & + \text{Retained revenue from foreign billed} \\ & + \text{Retained revenue from transiting} \\ & = \text{Total U.S. carrier retained revenue} \end{aligned}$

U.S. carriers report the number of private line circuits actually leased at year-end. Financial arrangements for private line services are different than for public switched services. The U.S. carrier provides the circuit to a theoretical mid-point, and the foreign partner provides the remainder of the circuit. In some cases, each carrier bills for its half of the service; in other cases, one carrier acts as the collection agent. Unlike message telephone service, where the rate covers the whole cost of the call, the U.S. carrier's private line rate covers only the half-circuit to the theoretical mid-point. The filing manual states that U.S. carriers must report the amount of private line revenue that they record for their half of the service, regardless of who actually collects the revenue. U.S. carriers should not report revenue that they collect on behalf of the foreign carriers or amounts that they bill for services that they provide in foreign countries.

International points are grouped into ten regions for reporting purposes. The regions include all countries of the world as well as three maritime classifications -- the Atlantic, Pacific, and other oceans. In some cases, international points have been grouped outside the geographic region for reporting purposes. For example, the Azores and Madeira Islands are included with Portugal. Any data reported to these points are included with Portugal traffic and are summarized with Western Europe traffic in the tables. (See *International Points Used for FCC Reporting Purposes*, April 1994.)

Carriers are required to file separate data for each U.S. point that they serve. Alaska and Hawaii, for example, are considered distinct U.S. points for this purpose. Figure 5 identifies the U.S. points used for reporting purposes. Carriers serving larger U.S. points are required to file detailed country-by-country data on computer disk. Carriers serving smaller U.S. points may file world totals in lieu of country-by-country data. In a few instances, carriers have obtained waivers so that they can consolidate data for Hawaii and the conterminous United States.

Figure 5

Reporting Requirements for Facilities-Based Service	
Larger U.S. points for which carriers file country-by-country data	Smaller U.S. points for which carriers file world total data
<u>Domestic U.S. points</u> Alaska Conterminous U.S.* Hawaii Puerto Rico <u>Other populous U.S. points</u> Guam U.S. Virgin Islands	American Samoa Baker Island Howland Island Jarvis Island Johnston Atoll Kingman Reef Midway Atoll Navassa Island Northern Mariana Islands Palmyra Atoll Wake Island
* The conterminous United States consists of the 48 contiguous states and the District of Columbia.	

Figure 5 shows which U.S. points are classified as **domestic** and which are classified as **other**. Calls between domestic U.S. points are considered domestic and therefore are not reported. Calls between domestic U.S. points and other U.S. points are defined as international and are reported. For example, a directly dialed call originating in Guam and terminating in Hawaii is reported by the carrier serving Guam as U.S. billed traffic to Hawaii. The carrier serving Hawaii reports this same call as a foreign billed call from Guam. Thus, our aggregate call statistics double-count both the call and the associated minutes. Table A1 shows that U.S. carriers reported almost 6.4 billion calls between the U.S. and international points. Of these calls, 37 million (less than 1%) were reported for traffic between U.S. points. Thus, the double-counting is small when compared to the overall number of calls.

Presentation of Data

Figure 6 lists the carriers whose data are presented in the attached tables. Figure 7 summarizes the billed revenue data contained in the tables, and Figure 8 summarizes the net revenue data contained in the tables -- that is, billed revenue net of settlement payments. Figure 9 summarizes international message telephone service for the four largest carriers (AT&T, MCI, Sprint and WorldCom, Inc.) for 1991 through 1997.

The Section 43.61 data have been summarized for all reporting carriers and for all U.S. points. Some tables show totals for all carriers serving individual U.S. points. Other tables show totals for all data filed by individual carriers. Data have been consolidated where a holding company owns more than one carrier. For example, the data MCI reported for its subsidiary, Western Union International, Inc., have been consolidated and included with other MCI data.

The country-by-country data are presented by region of the world. The foreign points are listed alphabetically in each region, followed by U.S. points listed alphabetically. As noted above, the data for U.S. points shown in the regional breakdowns represent traffic between those points and other U.S. points, as reported by carriers that file country-by-country data. Carriers serving smaller U.S. points file world totals for international traffic. Those totals for all international points are shown separately, following the regional data. Thus, some smaller U.S. points appear twice in the tables. Those totals for smaller U.S. points are included in the total traffic reported for foreign points even though some of that traffic was carried between U.S. points.

U.S. carriers are required to file message counts for switched services that originate or terminate at a U.S. point. They are not required to provide message counts for traffic that transits U.S. points. Carriers have ready access to message counts for traffic that they bill, but sometimes have difficulty obtaining message counts for traffic billed by foreign telephone companies. As noted in Figure 3, transiting minutes are not being published on a country-by-country basis. Region totals are provided for those regions where transiting traffic is carried from more than one country.

Carriers file detailed traffic data using a record format contained in the filing manual. For switched services, each record contains a billing type code that signifies the traffic exchange method and whether the call was U.S. billed, foreign billed or transiting. For U.S. billed calls the billing type code indicates whether the data represents a) U.S. originated traffic and U.S. terminated collect and subscriber toll free traffic; b) country direct and country beyond traffic; or c) U.S. carrier reorigination traffic. For private services, the billing type code signifies whether the data contain facilities-based or facilities-resale circuits. The billing codes used for filing 1997 data are contained in the International Bureau's Public Notice DA 98-1369, *Clarification of Section 43.61 International Traffic Data Reporting Requirements*, July 9, 1998.

The table titles use the billing types to indicate the type of data aggregated in a particular table. There are three groups of billing type codes for switched services. Billing types 1 through 6 are used for traditional settlement traffic. Billing types 11 through 16 are used for ISR/hubbed traffic. Billing types 21 through 26 are used for alternative settlement arrangement traffic. The billing types do not distinguish whether a switched service was provided over a carrier's owned facilities or over leased circuits. Table A67, for example, shows billing types 5, 15 and 25, meaning that the tables include all traditional settlement, ISR/hubbed, and alternative settlement reorigination traffic. Carriers may not have filed any alternative settlement reorigination traffic, but this table would include that data, if they had.

The specific billing types allow the following breakdowns.

<u>Billing Type(s)</u>	
1, 11, 21	U.S. billed calls that originate in or terminate collect or subscriber toll free in the United States
2, 12, 22	foreign billed calls
3	traditional transiting calls (there is no billing type 13 or 23 because all traditional transiting calls are exchanged under traditional settlement arrangements)
4, 14, 24	U.S. billed country-direct and country-beyond calls
5, 15, 25	terminating leg of calls reoriginated by U.S. carriers
6, 16, 26	originating leg of calls reoriginated by U.S. carriers

There are only two billing type codes used for private line services. Billing type 1 signifies facilities-based circuits. Billing type 11 signifies facilities-resale circuits.

Total telephone service traffic contained in Table A1 is divided as follows:

Table A62	traditional settlement traffic
Table A63	ISR/hubbed traffic
Table A64	alternative settlement traffic

Total telephone service traffic contained in Table A1 also is divided as follows:

Table A65	traffic that originates or terminates in the United States except country-direct, country-beyond, and reoriginated traffic; the table also includes traditionally handled transiting traffic
Table A66	country-direct and country-beyond traffic
Table A67	terminating leg of reoriginated traffic

Figure 6
CARRIERS FILING INTERNATIONAL TRAFFIC DATA FOR 1997

No.	Carrier	Switched Services			Private Line			U.S. Pt. Served		Traffic to >100 Int'l. Pts.
		Traffic Arrangements			Facilities Based	Facilities Resale	Pure Resale	Dom.	Other U.S.	
		Traditional	ISR/Hub	Alternative						
1	360 Long Distance, Inc.						*	*		*
2	A-G Long Distance, Inc						*	*		
3	ABS-CBN Telecom, North America, Inc.						*	*		*
4	ACC Corporation									
4	ACC Global Corp.		*					*		
5	ACC Long Distance Corp.						*	*		*
6	Vista International Communications, Inc.						*	*		*
7	Access Authority, Inc.						*	*		*
8	Access Integrated Networks, Inc.						*	*		
9	ACOMM Inc.						*	*		
10	Adams Tel Systems, Inc.						*	*		
11	Advanced Tel., Inc.						*	*		
12	Affinity Corporation						*	*		*
13	AirTouch Communications						*	*		
13	AirTouch Cellular (GA)						*	*		
14	AirTouch Cellular - New Par						*	*		*
15	AirTouch Cellular - San Diego						*	*		*
16	AirTouch Communications, Inc.						*	*		*
17	Los Angeles SMSA Limited Partnership						*	*		*
18	Sacramento-Valley Limited Partnership						*	*		
19	ALLTEL Communications, Inc.						*	*		*
20	American International Telephone, Inc. (AIT)						*	*		
21	American Long Lines, Inc.						*	*		*
22	American Mobile Satellite Corporation						*	*		*
23	American Network Exchange, Inc. (AMNEX)						*	*		*
24	American Samoa Telecommunications Authority	*							*	
25	American Telco, Inc.						*	*		*
26	Americatel Corporation				*			*		
27	Ameritech						*	*		*
27	Ameritech Communications, Inc.						*	*		*
28	Ameritech Mobile Communications, Inc.						*	*		*
29	Antel Inc						*	*		
30	ARC Networks						*	*		
31	Asian American Telcom				*			*		
32	Associated Network Partners, Inc.						*	*		*
33	Atcall Communications Inc.						*	*		*
34	Athena International, L.L.C.						*	*		*
35	ATI Telecom, Inc.						*	*		
36	Atlantic Cellular						*	*		
36	Hawaiian Wireless, Inc.						*	*		
37	ATX Telecommunications Services						*			*
38	AT&T						*	*	*	*
38	AT&T Corp.	*	*	*			*	*	*	*
39	AT&T Easylink Services	*			*			*		*
40	Bell Atlantic						*	*		*
40	Bell Atlantic Communications, Inc. (BACI)						*	*		*
41	NYNEX Long Distance d/b/a Bell Atlantic Long Distance						*	*		*
42	Ben Lomand Communications, Inc. (BLC)						*	*		
43	BMCT, L.P.						*	*		

Figure 6
CARRIERS FILING INTERNATIONAL TRAFFIC DATA FOR 1997

(Continued)

No.	Carrier	Switched Services			Private Line		Pure Resale	U.S. Pt. Served		Traffic to >100 Int'l. Pts.
		Traffic Arrangements			Facilities Based	Facilities Resale		Dom.	Other U.S.	
		Traditional	ISR/Hub	Alternative						
44	BPG International, Inc. (BPGI)						*	*		
45	Brittan Communications International Corporation (BCI)						*	*	*	
46	BT North America, Inc.		*				*	*		
47	Business Telecom, Inc (BTI)						*	*	*	
48	C-R Long Distance						*	*		
49	Cable & Wireless, Inc.		*				*	*	*	
50	Call Concepts Corporation						*	*	*	
51	Call-Net Enterprises Ltd. fONOROLA Corporation		*					*		
52	Calls for Less, Inc. (CFL, Inc.)						*	*		
53	Capital Telecommunications, Inc.						*	*	*	
54	CapRock Communications Corporation						*	*	*	
55	Cass Long Distance, Inc.						*	*		
56	CC Communications						*	*		
57	Celebrate Communications, L.L.C.						*	*		
58	Cellnet Telecommunications of Michigan, L.L.C. d/b/a C-Net Communications						*	*	*	
59	Cellular 2000 Cellular Mobile Systems of St. Cloud						*	*		
60	Cellular Communications of Puerto Rico, Inc. CCI PR RSA, Inc.						*	*	*	
61	U.S.V.I. Cellular Telephone Corporation						*	*	*	
62	Cellular Long Distance Service Corporation (CLDS)						*	*		
63	Central Texas Communications, Inc.						*	*		
64	Central Utah Communications, LLC Central Long Distance						*	*		
65	Central Wisconsin Communications Inc. d/b/a WCTC Long Distance - Wood County Telephone Company						*	*		
66	Century Enterprises, Inc.						*	*		
67	Century Telephone Enterprises, Inc.						*	*	*	
68	Chariton Valley L. D. Corporation						*	*	*	
69	Chautauqua & Erie Communications, Inc.						*	*	*	
70	Chequamegon Telephone Cooperative, Inc.						*	*		
71	Chester Long Distance Services, Inc.						*	*		
72	Chibardun Telephone Coopertive, Inc.						*	*	*	
73	Chickasaw Long Distance Company						*	*		
74	CIMCO Communications, Inc.						*	*		
75	Cincinnati Bell Long Distance, Inc. (CBLD)						*	*	*	
76	Citizens Communications Citizens Long Distance						*	*	*	
77	NewOp Communications d/b/a OTC Long Distance						*	*	*	
78	Cleartel Communications, Inc.						*	*	*	
79	Coastal Telephone Company Coastal Utilities, Inc.						*	*		
80	Coastal Long Distance Services						*	*		
81	Comantel, Inc.						*	*		
82	Comcast Telecom., Inc. d/b/a Comcast Long Distance						*	*		
83	Comdata Telecommunications Services, Inc.						*	*		
84	Communication Services of Colorado (CSC)						*	*		
85	Communication TeleSystems Int'l., d/b/a CTS and WorldxChange Communications	*	*	*			*	*	*	
86	CommuniGroup, Inc.						*	*		
87	CommuniGroup of K.C., Inc. (CGI)						*	*	*	

Figure 6
CARRIERS FILING INTERNATIONAL TRAFFIC DATA FOR 1997

(Continued)

No.	Carrier	Switched Services			Private Line		Pure Resale	U.S. Pt. Served		Traffic to >100 Int'l. Pts.
		Traffic Arrangements			Facilities Based	Facilities Resale		Dom.	Other U.S.	
		Traditional	ISR/Hub	Alternative						
88	Community Long Distance COMSAT Corporation						*	*		
89	COMSAT General Corporation				*			*		
90	COMSAT RSI, Inc.	*			*			*		
91	ComTech International						*	*	*	
92	ComTel Computer Corporation						*	*	*	
93	Connect America Communications, Inc.						*	*		
94	Connecticut Telephone & Communication Systems, Inc. (CTCS)						*	*		
95	Corporate Services Telcom, Inc.						*	*	*	
96	Crosslink Long Distance						*	*		
97	CT Communications, Inc. CTC Long Distance Services, Inc.						*	*		
98	CTC Communications Corp.						*	*		
99	CTN-Custom Telecom						*	*		
100	D&E Telephone and Data Systems, Inc. d/b/a D and E Long Distance						*	*		
101	Datacomm International Company Limited						*	*		
102	Dialink Corporation						*	*	*	
103	DirectNet Telecommunications	*			*		*	*	*	
104	Eastern Telephone Systems, Inc. EasternTel Long Distance Service, Inc.						*	*	*	
105	Eclipse Telecommunications, Inc						*	*		
106	EconoPhone, Inc.						*	*	*	
107	Egyptian Communication Services, Inc.						*	*	*	
108	El Paso Long Distance Company						*	*		
109	Elephant Talk, Inc.						*	*		
110	Emery Telephone Mountain West Long Distance						*	*		
111	Empire One Telecommunications, Inc.						*	*	*	
112	EqualNet Corporation						*	*	*	
113	Esprit Telecom (U.K.), Ltd.	*	*					*		
114	Excel Communications, Inc. Excel Telecommunications, Inc.						*	*	*	
115	Long Distance Wholesale Club						*	*	*	
116	Telco Holdings, Inc.						*	*	*	
117	Executive TeleCard Ltd.						*	*	*	
118	Express Communications, Inc.						*	*	*	
119	FaciliCom International, L.L.C.	*						*	*	
120	Farmer's Long Distance, Inc.						*	*		
121	FaxSav Incorporated						*	*	*	
122	Federal TransTel, Inc.						*	*		
123	Fedex International Transmission Corp.				*			*		
124	Feist Long Distance						*	*	*	
125	Firstel, Inc.						*	*	*	
126	FirstWorld Communications, Inc.						*	*		
127	Flat Rock Communications, Inc.						*	*		
128	Fort Bend Long Distance Company						*	*	*	
129	Frontier Corporation Allnet Comm. Svcs., Inc. d/b/a Frontier Comm. Svcs.						*	*	*	
130	Budget Call Long Distance, Inc.						*	*	*	
131	Enhanced Telemgmt., Inc. d/b/a Frontier Telemgmt.						*	*	*	
132	Frontier Comm. International, Inc.						*	*	*	

Figure 6
CARRIERS FILING INTERNATIONAL TRAFFIC DATA FOR 1997

(Continued)

No.	Carrier	Switched Services			Private Line			U.S. Pt. Served		Traffic to >100 Int'l. Pts.
		Traffic Arrangements			Facilities Based	Facilities Resale	Pure Resale	Dom.	Other U.S.	
		Traditional	ISR/Hub	Alternative						
133	Frontier Comm.-North Central Reg. Inc.						*	*	*	
134	Frontier Comm. of New England, Inc.						*	*	*	
135	Frontier Comm. of New York, Inc.						*	*	*	
136	Frontier Comm. of the Mid Atlantic, Inc.						*	*	*	
137	Frontier Comm. of the West, Inc.						*	*	*	
138	Frontier Long Distance of America, Inc.						*	*	*	
139	Frontier Telemangement Inc.						*	*	*	
140	GE American Communications, Inc. ("GE Americom")				*			*		
141	Geocomm Corporation				*	*		*		
142	Glasford Telephone Company						*	*		
143	Global Telephone Corporation						*	*		
144	GlobalCom International, Inc.						*	*		
	Grafton Communications									
145	Grafton Long Distance Company						*	*		
	Grande River Communications, Inc. (GRCI) d/b/a									
146	Valley Telephone Long Distance						*	*		
147	Granite State Long Distance, Inc.						*	*		
148	Gridley Communications, Inc.						*	*		
	GST Telecommunications, Inc. (AMEX:GST)									
149	GST Action Telcom, Inc.						*	*	*	
150	GST Call America, Inc.						*	*	*	
151	GST USA, Inc.						*	*	*	
	GTE Corporation									
152	GTE Airfone Inc.						*	*	*	
153	GTE Communications Corporation						*	*	*	
154	GTE Hawaiian Telephone	*			*			*	*	
155	GTE Railfone Inc.						*	*		
156	GTE Telecom Inc.	*					*	*		
157	GTE Wireless Inc.						*	*	*	
158	Hamilton County Long Distance						*	*		
159	Harris Corporation	*								
160	Heritage Communications Corporation (HCC)						*	*		
161	Hertz Technologies Incorporated						*	*		
162	Highland Communications Corporation						*	*		
163	Home Long Distance, Inc.						*	*		
164	Home Owners Long Distance, Inc. (HOLD)						*	*	*	
165	Home TeleNetworks, Inc.						*	*		
166	Horry Telephone Long Distance						*	*		
167	HTC Communications Co.						*	*		
168	IDC America, Inc.		*							
169	IDT Corporation		*				*	*	*	
	Impact Telecommunications, Inc.									
170	i-Tel Long Distance						*	*	*	
171	Inacom Communications, Inc.						*	*	*	
172	Innovative Telecom Corporation						*	*		
173	Inteleca Communications Corporation						*	*		
174	Intercontinental Communications Group, Inc.						*	*	*	
175	Intermedia Communications, Inc.	*					*	*	*	
176	International Exchange Networks, Ltd. ("iXnet")	*	*		*	*	*	*	*	
177	International Telecom Incorporated						*	*	*	
178	Interstate FiberNet, Inc.						*	*	*	
179	Intetech, L.C.						*	*	*	
180	Iowa Network Services, Inc. (INS)						*	*	*	

Figure 6
CARRIERS FILING INTERNATIONAL TRAFFIC DATA FOR 1997

(Continued)

No.	Carrier	Switched Services			Private Line		Pure Resale	U.S. Pt. Served		Traffic to >100 Int'l. Pts.
		Traffic Arrangements			Facilities Based	Facilities Resale		Dom.	Other U.S.	
		Traditional	ISR/Hub	Alternative						
181	Ironton Long Distance Company						*	*	*	
182	IT&E Overseas, Inc.	*			*			*	*	
183	ITC^DeltaCom Communications, Inc.						*	*	*	
	IXC Communications, Inc.						*	*	*	
184	IXC Communications Services, Inc.						*	*	*	
185	Justice Technology Corporation						*	*	*	
186	King Salmon Communications, Inc.						*	*	*	
187	Kingsgate Telephone, Inc.						*	*	*	
188	KNOLGY Holdings, Inc.						*	*		
189	L-R Communications, Inc.						*	*		
190	Lackawaxen Long Distance Company						*	*		
191	LaHarpe Networks Company, Inc.						*	*		
192	Lakefield Communications, Inc.						*	*		
	LCI						*	*		
193	LCI International Telecom Corp.						*	*	*	
194	LCT Long Distance						*	*	*	
195	L.D. Services, Inc.						*	*	*	
196	Local Alliance Network						*	*		
197	Local Communications Network, Inc.				*		*	*		
198	Long Distance International, Inc. (LDI)						*	*	*	
199	Low Country Carriers, Inc. d/b/a Hargray LD Co.						*	*		
200	Madison Network Systems, Inc.						*	*		
201	Marquette-Adams Telephone Coop., Inc.						*	*		
202	MATRIX Telecom						*	*	*	
	MCI Telecommunications Corporation						*	*		
203	MCI International, Inc.	*					*	*	*	
204	WUI	*			*		*	*	*	
	McLeodUSA Incorporated						*	*		
205	Consolidated Communications Telecom Services Inc.						*	*	*	
206	McLeodUSA Telecommunications Services, Inc.						*	*	*	
207	McNabb Long Distance, Inc.						*	*		
208	Melbourne International Communications, Ltd.	*	*		*	*	*	*		
209	Microdevices Worldwide Inc.						*	*	*	
210	Micronesian Telecommunications Corp.	*			*			*	*	
	Mid-Plains Communications Systems Inc.						*	*		
211	d/b/a Mid-Plains Long Distance						*	*		
212	MIDCO Communications, Inc.						*	*		
	Midvale Telephone Exchange, Inc						*	*		
213	Rural Network Services						*	*		
	Minnesota Independent Interexchange Corp. (MIIC) d/b/a						*	*		
214	MEANS Telecom						*	*		
215	Mobile Satellite Comm. d/b/a Pittsburgh Int'l. Teleport	*			*	*	*	*		
216	Montrose Mutual Long Distance, Inc.						*	*		
217	Moultrie Infocomm, Inc.						*	*		
218	MTA Long Distance Inc.						*	*	*	
219	MTC Communications Inc.						*	*		
220	MTCO Communications, Inc.						*	*	*	
221	MVP Communications						*	*	*	
222	National Brands, Inc.						*	*		
223	National Telecommunications of Florida						*	*	*	
224	National Telephone & Communications, Inc.						*	*	*	
225	National Telephone Exchange, Inc.						*	*	*	
226	NET-tel Corporation						*	*		

Figure 6
CARRIERS FILING INTERNATIONAL TRAFFIC DATA FOR 1997

(Continued)

No.	Carrier	Switched Services			Private Line			U.S. Pt. Served		Traffic to >100 Int'l. Pts.
		Traffic Arrangements			Facilities Based	Facilities Resale	Pure Resale	Dom.	Other U.S.	
		Traditional	ISR/Hub	Alternative						
227	Network Plus, Inc.						*	*	*	
228	Nevadacom						*	*	*	
229	New Media Telecommunications, Inc.						*	*		
230	New North Telecommunications, Inc.						*	*		
231	NEXTLINK Communications, Inc. ITC d/b/a NEXTLINK Affinity						*	*		
232	NEXTLINK California, L.L.C.						*	*		
233	NEXTLINK Ohio, L.L.C.						*	*		
234	NEXTLINK Pennsylvania, L.L.C.						*	*		
235	NEXTLINK Tennessee, L.L.C.						*	*		
236	NEXTLINK Utah, L.L.C.						*	*		
237	NEXTLINK Washington, L.L.C.						*	*		
238	Telecommunications of NV, L.L.C. d/b/a NEXTLINK NV						*	*		
239	North Dakota Long Distance						*	*		
240	Northeast Telephone Long Distance, Inc.						*	*		
241	Northern Communications, Inc.				*			*		
242	NTS Communications, Inc.						*	*	*	
243	OCOM Corporation						*	*		
244	OGC Telecomm, Ltd., d/b/a OGI Telecomm, L.P. ("OGIT")						*	*		
245	Omniplex Communications Group, LLC						*	*		
246	Omnipoint Communications, Inc.						*	*	*	
247	One Call Communications Inc., d/b/a Opticom						*	*	*	
248	Oneida Telephone Exchange & Cablevision, Inc. Oneida Network Service, Inc.						*	*		
249	Operator Communications Inc.						*	*	*	
250	Overseas Telecommunications, Inc.				*			*		
251	Pac-West Telecomm, Inc						*	*		
252	Pacific Gateway Exchange, Inc.	*			*		*	*	*	
253	PanAmSat Communications Carrier Services, Inc.				*			*		
254	Paradigm Communications Corporation						*	*	*	
255	Partner Communications Group, LLC						*	*		
256	PCI Communications, Inc.	*					*		*	
257	Peoples Communications, Inc. (PCI)						*	*		
258	Petroleum Communications, Inc. (PETROCOM)						*	*		
259	Pioneer Communications, Inc. d/b/a Pioneer Telecom						*	*		
260	Price Communications Wireless, Inc.						*	*		
261	PrimeCo Personal Communications, L.P.						*	*	*	
262	Primus Telecommunications, Inc. Primus Telecommunications, Inc.		*				*	*	*	
263	TresCom International, Inc.	*			*		*	*	*	
264	PSO, Inc. d/b/a Canal Uno		*					*		
265	PT-1 Communications, Inc.						*	*	*	
266	Questar InfoComm, Inc. Qwest Communications Corporation						*	*		
267	Phoenix Network, Inc.						*	*	*	
268	Qwest Communications Corporation						*	*	*	
269	Rapid Link, USA						*	*	*	

Figure 6
CARRIERS FILING INTERNATIONAL TRAFFIC DATA FOR 1997

(Continued)

No.	Carrier	Switched Services			Private Line			U.S. Pt. Served		Traffic to
		Traffic Arrangements			Facilities Based	Facilities Resale	Pure Resale	Dom.	Other U.S.	>100 Int'l. Pts.
		Traditional	ISR/Hub	Alternative						
270	RCC Atlantic, Inc.						*	*		*
271	RCC Atlantic Long Distance, Inc.						*	*		*
271	RCN Long Distance Company (RCN)									
272	Reynolds Long Distance, Inc.						*	*		*
273	RGT Utilities, Inc.						*	*		*
274	RSL Communications, Ltd.						*	*		*
275	RSL COM PrimeCall, Inc.						*	*		*
275	RSL COM U.S.A., Inc.	*					*	*		*
276	Rubicon Technologies & Telecommunications, Inc.						*	*		*
277	Satellite Communication Systems, Inc.	*			*			*		*
278	SelecTec, Inc.						*	*		
279	Shawnee Communications, Inc.						*	*		
279	ShawneeLink Corporation						*	*		
280	SmarTalk TeleServices, Inc.						*	*		*
281	SNET America, Inc.						*	*		*
282	Souris River Telecomm. Co. d/b/a SRT Long Distance						*	*		
283	South Central Utah Telephone Association, Inc.						*	*		
284	Southwest Texas Communications, Inc.						*	*		
285	Southwestern Bell Comm. Services - Illinois, Inc.						*	*		*
286	Spring Valley Telephone Long Distance, Inc.						*	*		
287	Sprint	*	*		*		*	*	*	*
288	Star Telecommunications, Inc.	*					*	*		*
289	Star Telephone Long Distance						*	*		*
290	Startec Global Communications Corporation	*					*	*		
291	SwitchNet, Inc.						*	*		*
292	Taylor Communications Group, Inc.						*	*		*
293	Tel-Save, Inc.						*	*		*
294	Telapex Long Distance, Inc.						*	*		*
295	Telcom International, Inc.						*	*		*
296	Telecoin Guest Entertainment Co.						*	*		*
297	Telecom New Zealand Limited	*	*					*		
298	Telecom Vision International						*	*		*
299	Telecomunicaciones Ultramarinas de Puerto Rico				*			*		*
300	TeleData International, Inc.						*	*		*
301	Telefonica Larga Distancia, Inc. (TLD)	*			*		*	*	*	*
302	Teleglobe USA Inc.	*			*		*	*		*
303	Telegroup, Inc.				*		*	*		*
304	TeleKey, LLC						*	*		*
305	Telephone Company of Central Florida, Inc. (TCCF)						*	*		*
306	Telia North America, Inc.				*			*		
307	Teligent, Inc.				*			*		
308	TerraLink Communications, Ltd.	*						*		
309	The Furst Group, Inc.						*	*		*
310	The Long Distance Partnership, L.P.						*	*		*
311	Thrifty Call, Inc.						*	*		
312	TonCom, Inc.						*	*		
313	Touch 1 Communications, Inc.						*	*		*
314	Touch America, Inc.						*	*		*
315	Transcommunications Incorporated						*	*		
316	Transtel Communications, Inc.						*	*		*
317	Tri Rural Independent Operations, LLC (TRIO)						*	*		
318	Tri-County Long Distance						*	*		
319	TRICOM USA, Inc.		*					*		*

Figure 6
CARRIERS FILING INTERNATIONAL TRAFFIC DATA FOR 1997

(Continued)

No.	Carrier	Switched Services			Private Line			U.S. Pt. Served		Traffic to >100 Int'l. Pts.
		Traffic Arrangements			Facilities Based	Facilities Resale	Pure Resale	Dom.	Other U.S.	
		Traditional	ISR/Hub	Alternative						
320	Trinet, Inc. d/b/a STC Long Distance						*	*	*	
321	Triton Communications, LLC						*	*		
322	TTE, Inc.						*	*		
323	UniDial Communications UniDial, Incorporated						*	*	*	
324	Union Telephone Company						*	*		
325	URSUS Telecom Corporation						*	*	*	
326	US LEC of North Carolina, L.L.C.						*	*		
327	USA Global Link, Inc.						*	*	*	
328	USLD Communications, Inc. (USLD)						*	*	*	
329	USN Communications, Inc.						*	*	*	
330	UStel, Inc.						*	*	*	
331	US West Long Distance, Inc.						*	*	*	
332	US Xchange, L.L.C.						*	*		
333	USX Consultants, Inc.						*	*	*	
334	U.S. Link, Inc.						*	*		
335	U.S. Osiris Corporation						*	*	*	
336	U.S. Republic Communications, Inc.						*	*	*	
337	V-SAT Telecom, Inc.				*			*		
338	Valu-Line Long Distance						*	*		
339	VarTec Telecom, Inc.						*	*	*	
340	Viatel, Inc./YYC Communications, Inc.		*				*	*	*	
341	VoCall Communications Corp.						*	*	*	
342	Wabash Independent Networks, Inc.						*	*		
343	Warwick Valley Long Distance Co., Inc.						*	*		
344	West River Long Distance Company						*	*		
345	Wilkes Communi., Inc. d/b/a Wilkes Long Distance Svc.						*	*		
346	Williams Communications, Inc.		*					*		
347	Winstar Communications, Inc. WinStar Gateway Network, Inc. ("WGN")						*	*	*	
348	WinStar Telecommunications, Inc. ("WTI")						*	*	*	
349	Working Assets Long Distance Working Assets Funding Services, Inc.						*	*		
350	World-Link, Inc.						*	*	*	
351	WorldCom, Inc.	*			*		*	*	*	
352	ZENEX Long Distance, Inc.						*	*	*	
Total		32	18	2	32	6	318	344	12	187

Traffic Arrangements: U.S. carriers use the following types of arrangements to govern the exchange of traffic between themselves and foreign carriers.

Traditional - Traffic settled according to the Commission's International Settlements Policy (ISP). The ISP requires that the U.S. carrier and its foreign correspondent share the accounting rate on a 50/50 basis. An accounting rate is part of a compensation agreement negotiated between a U.S. carrier and its foreign correspondent on a particular international route.

ISR/Hubbed - International Simple Resale "ISR" refers to the provision of switched services over private lines, interconnected to the public switched network, between the United States and Commission-approved countries. Switched hubbing refers to the provision of switched services over interconnected private lines between the U.S. and an ISR-approved country in order to originate or terminate U.S. traffic in a third country. See 47 C.F.R. Sec. 63.17.

Alternative - Also referred to as "flexible" settlement arrangements. Carriers must report separately in their Section 43.61 traffic reports their U.S. and foreign billed traffic that was settled under an alternative settlement arrangement for which the carrier received Commission approval under Section 64.1002 of the rules. See 47 C.F.R. Sec. 64.1002.

Addendum to Figure 6:

Carriers that did not provide the Commission with an annual Section 43.61 international telecommunications traffic report for calendar year 1997:

1. Americas Telecom, Inc. had nothing to report for calendar year 1997.
2. BellSouth Long Distance, Inc. had nothing to report for calendar year 1997.
3. Capital Network System, Inc.'s subsidiary, Capital Network International, Inc. had nothing to report for calendar year 1997.
4. Consolidated Communications Networks, Inc. received Section 214 authority to provide international service on June 20, 1997. However, the company did not offer service until after January 1, 1998, and therefore, had nothing to report for calendar year 1997.
5. E-Cable Services, Inc. commenced international services on January 1, 1998, and therefore, had nothing to report for calendar year 1997.
6. FoxTel, Inc. had nothing to report for calendar year 1997.
7. General Telecom, Inc. (GTI) became an authorized carrier on January 23, 1998, and therefore, had nothing to report for calendar year 1997.
8. Group Long Distance, Inc. no longer offers international service.
9. ICG Telecom Group, Inc., had nothing to report for calendar year 1997.
10. International Operator Services, Inc. holds 214 authority to provide facilities-based and resold switched and private line telecommunications services. However, the company had nothing to report for calendar year 1997.
11. Linknet International, Inc. has international resale authority. However, the company had nothing to report for calendar year 1997.
12. Megsinet-CLEC, Inc. had nothing to report for calendar year 1997.
13. MH Communications, Inc. d/b/a MH Communications was approved for 214 authority in February, 1997. However, the company did not start to provide service until March, 1998. Therefore, the company had nothing to report for calendar year 1997.
14. OCI Communications International, Inc. received authority in January, 1998, to operate as a international facilities-based carrier. In July, 1998, the company changed its name from OCI Communications International, Inc. to Ovation Communications International, Inc. The company had nothing to report for calendar year 1997.
15. Operator Service Company had nothing to report for calendar year 1997.
16. Telecommunications Marketing Group ("TMG") was authorized in 1997 to provide international service. However, TMG had nothing to report for calendar year 1997.
17. In 1996, USN Communications, Inc. filed as its subsidiary USN Communications Long Distance.

The following companies' Section 43.61 international telecommunications traffic reports were combined in calendar year 1997 because of mergers, acquisitions, and changes in corporate structure:

18. Action Telcom Company merged with GST Action Telecom in 1997.
19. Atlantic Cellular Company, L.P. and Atlantic Cellular/New Hampshire RSA Number One, L.P. were consolidated and sold to RCC Atlantic Inc.
20. Cellular Long Distance Service (CLDS) sold its subscriber base to Ameritech in the first quarter of 1997 and exited the long distance resale business.
21. Chadwick Telecommunications Corporation merged with NEXTLINK Communications, Inc.
22. Cherry Communications Incorporated went bankrupt in October, 1997. Resurgens Communications Group reorganized the company and started service in March, 1998.
23. Cyberlink, Inc. was merged with RSL COM U.S.A., Inc.
24. FirstWorld Communications, Inc. was formerly Spectranet International.
25. fONOROLA Corporation merged with Call-Net Enterprises Inc. in 1997.
26. Frontier Communications of the West, Inc was formerly West Coast Telecommunications, Inc. Frontier Telemanagement, Inc. was formerly Frontier Communications of the Great Lakes which was formerly Schneider Communications, Inc.
27. Geneseo Long Distance Company and Henry Country Long Distance merged with Celebrate Communications, L.L.C.
28. GST USA, Inc.'s calendar year 1997 report included the following companies:
 - GST Net, Inc.
 - GST Telecom, Inc.
 - International Telemanagement Group, Inc.
 - TotalNet Communications, Inc.
 - Wasatch International Network Services, Inc.
29. IXC Data Network Services, Inc., changed its name to IXC Broadband Services, Inc. in January, 1997, at which time it merged with IXC Communication Services, Inc.
30. KNOLOGY Holdings, Inc. acquired TTE, Inc. effective May 22, 1998.
31. National Teleservice, Inc. (NTI) merged with IXC Communications, Inc.
32. Pennsylvania Alternative Communications, Inc. merged with LCI International, June 1996.
33. Price Communications Wireless, Inc. subsidiaries:
 - Price Communications Wireless II, Inc.
 - Price Communications Wireless III, Inc.
 - Price Communications Wireless IV, Inc.
 - Price Communications Wireless V, Inc.
 - Price Communications Wireless VI, Inc.
 - Price Communications Wireless VII, Inc.
 - Price Communications Wireless VIII, Inc.
 - Price Communications Wireless IX, Inc.
34. PT-1 Communications, Inc. was formerly PhoneTime, Inc.
35. Telephone Express was bought by VarTec Telecom, Inc.
36. The Associated Group merged with Teligent, Inc.
37. TresCom International, Inc. was bought by Primus Telecommunications, Inc.
38. USFI, Inc. merged with Primus Telecommunications, Inc.
39. USLD Communications, which was formerly U.S. Long Distance, merged with LCI International Telecom Corp. in December of 1997. LCI International Telecom Corp. and Qwest Communications Corporation merged in June of 1998.
40. Vista International merged with ACC Corporation.
41. Williams Communications, Inc. was formerly VyVx, Inc.
42. WinStar Telecommunications, Inc. was merged into WinStar Wireless Inc. on March 31, 1998.

Addendum to Figure 6 -- Continued

The following companies changed names:

43. AirTouch Cellular changed its name to AirTouch Cellular - San Diego.
44. Call America Business Communications changed its name to GST Call America, Inc. ("GST CA").
45. DeltaCom, Inc. changed its name to ITC^DeltaCom Communications, Inc.
46. Eclipse Telecommunications, Inc. was formerly known as Network Long Distance, Inc.
47. Frontier Advanced Service Technologies Inc., formerly Link USA, Inc., provides international enhanced services. Enhanced services as defined by Section 64.702 of the Commission's rules are exempt from the Section 43.61 filing requirements.
48. GTE Communications Corporation consists of GTE Long Distance and prepaid card services. GTE Wireless Incorporated was formerly GTE Mobilnet and GTE Contel Cellular. Interstate FiberNet, Inc. was formerly Eastern Telecom, Inc.
49. IXC Long Distance, Inc. changed its name to IXC Communication Services, Inc. in June, 1998.
50. RCN Telecom Services of New York, Inc. filed as RCN Long Distance Company for calendar year 1997.
51. STARTEC, Inc. changed its name to Startec Global Communications Corporation.
52. The CommuniGroup (MS) filed as CommuniGroup, Inc. for calendar year 1997.

The following companies filed an annual Section 43.61 for the calendar year 1996, however, have not filed annual 1997 data and their status at time of duplication is unknown.

A.B.T.S. International Corp. d/b/a Intelnet	Long Distance Direct, Inc. (LDDI)
Allcomm Long Distance, Inc.	MicroNet, Inc.
American Teletronics Long Distance, Inc.	Mountain Cellular, L.P.
AMSC Subsidiary Corporation	MTC Telemanagement Corporation
Atlantic Telecom Corporation	National Telephone & Communications, Inc.
Brooks Fiber Properties, Inc.	North American Telecommunications Corporation
ALD Communications, Inc.	NOS Communications
Bittel Telecommunications Corporation	NOS Communications Inc.
BFC Communications, Inc.	Paragon Services International, Inc.
BFC - LD, Inc.	Point Telesystems, Inc. d/b/a Cellular One
Cambridge Long Distance Company	Prairie Systems, Inc.
Coastal International Telecommunications (CIT)	Premiere Communications
Coast International, Inc.	Quisqueyana, Inc.
Commonwealth Long Distance Co., Inc.	Red Rose Comm., Inc d/b/a D and E Long Distance
ConQuest Operator Services Corp.	T-One Communications Corporation
Dickeyville Telephone Corporation	Telco Communications Group, Inc.
Executone Information Systems, Inc.	Telcorp Ltd.
Gateway USA	Telecommunications Co. of The Americas, Inc.
Gateway Worldwide Communications Inc.	TelePacific Network, Inc.
General Communications Corp. (GCI)	Teleport Communications Group
Golden Pages (Jersey) Ltd.	United Telephone Long Distance, Inc.
Harris Corporation	Carolina Telephone Long Distance, Inc.
IMTS, Inc. d/b/a Telenational Communications	United Telephone Long Distance, Inc. - (Florida)
Indiantown Telephone Long Distance Co., Inc.	United Telephone Long Distance, Inc. - (Indiana)
LDMI Long Distance	United Telephone Long Distance, Inc. - (Midwest)
LDS Communications, Inc.	United Telephone Long Distance, Inc. - (Ohio)
Long Distance Savers (LDS)	United Telephone Long Distance, Inc. - (Pennsylvania)
Long Distance Savers (LDS)	United Telephone - Southeast, Inc.
	Voice Plus International, Inc.
	Washington International Teleport ("WIT")
	Westel, Inc.

Figure 7
1997 U.S. Billed Revenues for Facilities-Based and Facilities-Resale Services *

	International Telephone	International Telex	International Telegraph	International Private Line	International Miscellaneous	Total all International Services
Conterminous U.S.	\$15,021,527,618	\$109,854,273	\$3,550,728	\$843,964,057	\$28,992,447	\$16,007,889,123
Alaska	11,203,009					11,203,009
Hawaii	86,029,009	10,357		1,417,809		87,457,175
Puerto Rico	58,971,215	50		2,902,105		61,873,370
Total for Domestic U.S. points	15,177,730,851	109,864,680	3,550,728	848,283,971	28,992,447	16,168,422,677
Guam	50,709,194	70,941		1,784,736		52,564,871
U.S. Virgin Islands	15,541,401			22,665		15,564,066
All other U.S. points	24,333,554	20,972		817,250		25,171,776
Total for All U.S. Points	15,268,315,000	109,956,593	3,550,728	850,908,622	28,992,447	16,261,723,390
ACC Global Corp.	1,362,745					1,362,745
American Samoa Telecommunications Authority	2,838,170					2,838,170
AmericaTel Corporation				5,498,879		5,498,879
Asian American Telcom	82,659			231,198	20,839	334,696
AT&T Corp.	8,351,334,660	74,413,132	1,797,815	353,144,759	4,731,336	8,785,421,702
BT North America Inc.	707			3,066,820		3,067,527
Cable & Wireless, Inc.	14,118,442			5,533,194		19,651,636
Communication TeleSystems Int'l./WorldxChange	142,241,397					142,241,397
COMSAT Corporation				6,325,947	6,252,600	12,578,547
DirectNet Telecommunications	2,651,916			2,994,656		5,646,572
Esprit Telecom (U.K.), Ltd.						0
FaciliCom International, L.L.C.	74,791,581					74,791,581
Fedex International Transmission Corporation				492,000		492,000
fONOROLA Corporation	31,412,728					31,412,728
GE American Communications, Inc.				6,687,400		6,687,400
Geocomm Corporation				649,757		649,757
GTE Corporation	26,163,765			2,710,375		28,874,140
Harris Corporation	2,357,711					2,357,711
IDC America, Inc					11,211	11,211
IDT Corporation	226,890					226,890
Intermedia Communications, Inc.					199,674	199,674
International Exchange Networks, Ltd.	532,892			4,824,392		5,357,284
IT&E Overseas, Inc.	31,765,461			1,786,886		33,552,347
Local Communications Network, Inc.				4,440,903		4,440,903
MCI / Western Union International	4,243,318,305	28,581,872	1,592,056	262,484,800	652,417	4,536,629,450
Melbourne International Comm., Ltd.	38,936			2,571,231		2,610,167
Micronesian Telecommunications Corp.	15,442,174	20,972		798,900		16,262,046
Mobile Satellite Communications, Inc.				1,791,951	7,285	1,799,236
Northern Communications, Inc.				226,800		226,800
Overseas Telecommunications, Inc.				1,004,000		1,004,000
Pacific Gateway Exchange, Inc.	173,105,015			51,180		173,156,195
PanAmSat Comm. Carrier Services, Inc.				288,000		288,000
PCI Communications, Inc.	5,523,718					5,523,718
Primus Telecommunications, Inc.	10,329,023					10,329,023
PSO, Inc. d/b/a Canal Uno					138,420	138,420
RSL Communications, Ltd.	26,015,305					26,015,305
Satellite Communication Systems, Inc.	606,188			2,981,763		3,587,951
Sprint	1,478,283,800	1,607,834		65,161,762	15,449,648	1,560,503,044
Star Telecommunications, Inc.	58,732,978					58,732,978
Startec Global Communications Corp.	5,528,689					5,528,689
Telecom New Zealand Limited	2,359,002					2,359,002
Telecomunicaciones Ultramarinas-Puerto Rico				1,940,499		1,940,499
Telefonica Larga Distancia, Inc.	15,872,521			687,685		16,560,206
Teleglobe USA Inc.	2,808,649			4,685,962		7,494,611
Telegroup, Inc.				10,127,936		10,127,936
Telia North America, Inc.				2,550,000		2,550,000
Teligent, Inc.				30,000		30,000
TerraLink Communications, Ltd.						0
TresCom International, Inc.	9,998,092			84,000		10,082,092
TRICOM USA, Inc.	6,873,541					6,873,541
V-SAT Telecom, Inc.				123,383		123,383
Viatel, Inc./YYC Communications, Inc.	31,580,322					31,580,322
Williams Communications, Inc.					1,529,017	1,529,017
WorldCom, Inc.	500,017,018	5,332,783	160,857	94,931,604		600,442,262

* U.S. billed revenues represent the amount billed to customers by U.S. carriers. See Figure 4.
Switched service data includes Traditional Settlement, ISR/Hubbed, and Alternative Settlement traffic.

Figure 8
1997 Net Revenues for Facilities-Based and Facilities-Resale Services *

	International Telephone	International Telex	International Telegraph	International Private Line	International Miscellaneous	Total All International Services
Conterminous U.S.	\$9,610,441,238	\$97,671,419	\$3,853,467	\$843,964,057	\$36,174,461	\$10,592,104,642
Alaska	9,962,477					9,962,477
Hawaii	62,137,228	36,114	9,128	1,417,809	30,115	63,630,394
Puerto Rico	47,156,743	37,611	9,205	2,902,105		50,105,664
Total for Domestic U.S. points	9,729,697,686	97,745,144	3,871,800	848,283,971	36,204,576	10,715,803,177
Guam	46,779,913	168,606	3,785	1,784,736		48,737,040
U.S. Virgin Islands	13,733,603			22,665		13,756,268
All other U.S. points	25,138,652	29,447		817,250		25,985,349
Total for All U.S. Points	9,815,349,854	97,943,197	3,875,585	850,908,622	36,204,576	10,804,281,834
ACC Global Corp.	1,362,745					1,362,745
American Samoa Telecommunications Authority	3,107,833					3,107,833
AmericaTel Corporation				5,498,879		5,498,879
Asian American Telcom	70,339			231,198	10,339	311,876
AT&T Corp.	5,845,448,031	64,167,475	1,411,357	353,144,759	5,528,083	6,269,699,705
BT North America Inc.	707			3,066,820		3,067,527
Cable & Wireless, Inc.	18,779,127			5,533,194		24,312,321
Communication TeleSystems Int'l./WorldxChange	38,301,372					38,301,372
COMSAT Corporation				6,325,947	6,252,600	12,578,547
DirectNet Telecommunications	449,957			2,994,656		3,444,613
Esprit Telecom (U.K.), Ltd.	4,083,117					4,083,117
FaciliCom International, L.L.C.	20,199,069					20,199,069
Fedex International Transmission Corporation				492,000		492,000
fONOROLA Corporation	29,646,863					29,646,863
GE American Communications, Inc.				6,687,400		6,687,400
Geocomm Corporation				649,757		649,757
GTE Corporation	27,874,669			2,710,375	30,115	30,615,159
Harris Corporation	2,357,711					2,357,711
IDC America, Inc					11,211	11,211
IDT Corporation	196,731					196,731
Intermedia Communications, Inc.					199,674	199,674
International Exchange Networks, Ltd.	532,892			4,824,392		5,357,284
IT&E Overseas, Inc.	24,210,259			1,786,886		25,997,145
Local Communications Network, Inc.				4,440,903		4,440,903
MCI / Western Union International	2,691,237,654	27,360,609	1,945,490	262,484,800	3,698,777	2,986,727,330
Melbourne International Comm., Ltd.	17,266	56,387		2,571,231		2,644,884
Micronesia Telecommunications Corp.	17,693,217	29,447		798,900		18,521,564
Mobile Satellite Communications, Inc.				1,791,951	7,285	1,799,236
Northern Communications, Inc.				226,800		226,800
Overseas Telecommunications, Inc.				1,004,000		1,004,000
Pacific Gateway Exchange, Inc.	36,671,062			51,180		36,722,242
PanAmSat Comm. Carrier Services, Inc.				288,000		288,000
PCI Communications, Inc.	5,523,718					5,523,718
Primus Telecommunications, Inc.	10,762,342					10,762,342
PSO, Inc. d/b/a Canal Uno					80,284	80,284
RSL Communications, Ltd.	6,210,873					6,210,873
Satellite Communication Systems, Inc.	606,188			2,981,763		3,587,951
Sprint	838,177,685	726,994		65,161,762	18,504,911	922,571,352
Star Telecommunications, Inc.	30,827,418					30,827,418
Startec Global Communications Corp.	707,844					707,844
Telecom New Zealand Limited	348,498					348,498
Telecomunicaciones Ultramarinas-Puerto Rico				1,940,499		1,940,499
Telefonica Larga Distancia, Inc.	15,781,414			687,685		16,469,099
Teleglobe USA Inc.	889,153			4,685,962		5,575,115
Telegroup, Inc.				10,127,936		10,127,936
Telia North America, Inc.				2,550,000		2,550,000
Teligent, Inc.				30,000		30,000
TerraLink Communications, Ltd.	139,125					139,125
TresCom International, Inc.	2,349,733			84,000		2,433,733
TRICOM USA, Inc.						0
V-SAT Telecom, Inc.				123,383		123,383
Viatel, Inc./YYC Communications, Inc.	31,580,322					31,580,322
Williams Communications, Inc.					1,881,297	1,881,297
WorldCom, Inc.	114,007,017	5,602,285	518,738	94,931,604		215,059,644

* Net revenues represent U.S. billed revenue, less settlement amounts owed to foreign carriers, plus settlement amounts due from foreign carriers. See Figure 4. Switched service data includes Traditional Settlement, ISR/Hubbed, and Alternative Settlement traffic.

Figure 9
International Message Telephone Traffic and Revenues
for the Four Largest International Carriers

	U.S. Billed Traffic			All Traffic that Originates or Terminates in the U.S.		
	Number of Minutes (000,000)	U.S. Carrier Revenue (\$000,000)	Billed Revenue per minute	Number of Minutes (000,000)	U.S. Carrier Retained Revenue (\$000,000)	Net of Settlements Revenue per minute
AT&T						
1991	6,596	\$6,962	\$1.06	10,020	\$4,279	\$0.43
1992	7,039	\$7,314	\$1.04	10,741	\$4,814	\$0.45
1993	7,201	\$7,482	\$1.04	10,938	\$4,979	\$0.46
1994	8,040	\$7,984	\$0.99	11,807	\$5,229	\$0.44
1995	8,831	\$8,425	\$0.95	12,778	\$5,634	\$0.44
1996	9,546	\$8,559	\$0.90	13,563	\$5,705	\$0.42
1997	10,331	\$8,351	\$0.81	14,529	\$5,786	\$0.40
MCI						
1991	1,600	\$1,487	\$0.93	2,450	\$958	\$0.39
1992	2,101	\$2,065	\$0.98	3,163	\$1,360	\$0.43
1993	2,857	\$2,779	\$0.97	4,175	\$1,789	\$0.43
1994	3,529	\$2,952	\$0.84	5,206	\$1,790	\$0.34
1995	4,486	\$3,968	\$0.88	6,350	\$2,402	\$0.38
1996	5,372	\$3,550	\$0.66	7,496	\$1,772	\$0.24
1997	5,913	\$4,243	\$0.72	8,216	\$2,634	\$0.32
Sprint						
1991	728	\$604	\$0.83	1,139	\$407	\$0.36
1992	946	\$786	\$0.83	1,424	\$520	\$0.37
1993	1,181	\$1,048	\$0.89	1,730	\$706	\$0.41
1994	1,490	\$1,229	\$0.82	2,140	\$742	\$0.35
1995	1,772	\$1,289	\$0.73	2,480	\$741	\$0.30
1996	2,745	\$1,493	\$0.54	4,060	\$672	\$0.17
1997	2,794	\$1,478	\$0.53	4,505	\$822	\$0.18
WorldCom, Inc.						
1991	3	\$2	\$0.52	4	\$1	\$0.26
1992	12	\$10	\$0.82	21	\$6	\$0.29
1993	92	\$64	\$0.70	132	\$27	\$0.21
1994	278	\$124	\$0.45	362	\$38	\$0.10
1995	544	\$291	\$0.53	798	\$144	\$0.18
1996	846	\$364	\$0.43	1,137	\$100	\$0.09
1997	1,400	\$500	\$0.36	1,842	\$114	\$0.06