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445 12<sup>th</sup> Street, S.W.  
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FOR IMMEDIATE RELEASE:  
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News Media contact:  
Rosemary Kimball at (202) 418-0500

## **INTERNATIONAL BUREAU RELEASES 1999 YEAR-END CIRCUIT STATUS REPORT FOR U.S. FACILITIES-BASED INTERNATIONAL CARRIERS, REFLECTING NEARLY DOUBLED TOTAL CAPACITY USED**

Washington, DC – The FCC International Bureau today released the 1999 year-end circuit status report, which reflects a continued shift from International Message Telephone Services (IMTS) to International Private Line usage.

The report covers U.S. international facilities (undersea cables, satellites, and terrestrial links) and identifies the activated (in-service) and idle circuits for each international point as of December 31, 1999. The report also includes data from 1996 to 1998 for all international points by transmission facilities.

The report indicates that the number of activated 64 Kbps equivalent circuits at year-end 1999 was 906,898, a 95% increase from 1998, the highest single year rate of growth of capacity used since the Commission began collecting such data in 1995. By service type, IMTS accounted for 34% of the total circuits used; International Private Line Services accounted for 62%; and the remaining 4% of total circuits were used for Video and other data services (outside of traditional private line services). The ratio of IMTS to private line services has continued to decrease from 1.4 in 1996, to 1.2 in 1997, to 0.8 in 1998, and to 0.5 in 1999.

By transmission type, undersea cables account for 57% of total activated circuits, an increase of 3% from 1998; terrestrial links account for 36%, a decrease of 2% from 1998; and satellites account for 7% of the total activated capacity, a decrease of 1% from 1998. The top 30 destinations among all international routes account for 94% of the total activated circuits. The percentage of idle circuits as compared to the total circuit capacity (active and idle) decreased from 43% in 1998 to 28% in 1999.

The report is available for reference in the FCC's Reference Information Center, Courtyard Level, 445 12th Street, SW, Washington, D.C. Copies may be purchased by calling International Transcription Services, Inc. (ITS) at (202) 857-3800. This report can be downloaded from the International Bureau home page ([www.fcc.gov/ib/td/pf/csmanual.html](http://www.fcc.gov/ib/td/pf/csmanual.html)) on the World Wide Web. Inquires and submissions should be directed to Cathy Hsu, Telecommunications Division, International Bureau, at (202) 418-2114.



# **INTERNATIONAL BUREAU**

## **REPORT**

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### **1999 Section 43.82 Circuit Status Data**

**December, 2000**

Cathy Hsu

Telecommunications Division

## **1999 Section 43.82 Circuit Status Data**

### **Introduction**

This report contains information on U.S. international facilities-based carriers' circuits as of year-end 1999 that was submitted to the Federal Communications Commission (Commission) by U.S. carriers pursuant to Section 43.82 of the Commission's rules.<sup>1</sup> In addition, this report uses data taken from previous reports covering 1996 through 1998. Section 43.82 directs facilities-based carriers to file an international circuit status report by March 31 each year for circuits used to provide international services as of December 31 of the preceding year. The detailed filing requirements are set forth in the Manual for Filing Section 43.82 Circuit Status Data that can be found on the International Bureau's Web site at "<http://www.fcc.gov/ib/td/pf/csmanual.html>".

The information provided herein is compiled in an aggregated form designed to be useful to current industry members, potential new entrants, and the Commission. In addition, this annual circuit status report serves as a database for determining and monitoring the payments that the Commission is required to collect (*i.e.*, annual regulatory fees on active equivalent 64 Kbps international circuits).

### **Reporting Requirements**

All U.S. international facilities-based carriers are required to file circuit status information, reflecting both activated (in-service) and idle capacity.<sup>2</sup> Although units of circuit capacity have increased to E-1 and STM-1 levels, all services are reported in 64 Kbps equivalent circuits because regulatory fees on active international circuits are collected on that basis.

The Commission's manual on filing circuit status reports defines international facilities-based circuits as "international circuits in which a carrier has an ownership interest which includes outright ownership, indefeasible right of use (IRU) interests, or leasehold interest in bare capacity in an international facility, regardless of whether the underlying facility is a common or non-common carrier submarine cable or an INTELSAT or other satellite system." This definition is consistent with the definition of "International facilities-based carrier" contained in Section 63.09 (a) of the Commission's rules.<sup>3</sup>

This report includes both circuits from U.S. domestic points to foreign points and circuits from U.S. points to offshore U.S. points. United States and foreign points are identified in the Common Carrier Bureau Industry Analysis Division report titled *International Points used for FCC Reporting Purposes*

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<sup>1</sup> 47 C.F.R. Section 43.82.

<sup>2</sup> If carriers do not have any activated circuits at year-end, they are still required to file a letter stating they do not have any active circuits. See Annual International Circuit Status (and Addition) Reports Due On March 31, Public Notice, DA 00-525 (rel. Mar. 9, 2000).

<sup>3</sup> 47 C.F.R. 63.09 (a).

*(International Points)*, released April 1, 1994.<sup>4</sup> U.S. domestic points are the 50 states, the District of Columbia, and Puerto Rico. Foreign points include ships operating in international waters, as well as foreign destinations. Offshore U.S. points include U.S. territories such as American Samoa, Guam, Baker Island, Howland Island, Jarvis Island, Johnston Atoll, Kingman Reef, Midway Atoll, Navassa Island, the Northern Mariana Islands, Palmyra Atoll, the U.S. Virgin Islands, and Wake Island.

The *International Points Report* uses the following regional codes:

<i>Region</i>	<i>Code</i>
Western Europe	1
Africa	2
Middle East	3
Caribbean	4
North and Central America	5
South America	6
Asia	7
Oceania	8
Eastern Europe	9
International Water Area	10

The services that are covered by this report include International Message Telephone Service (IMTS) (switched voice), International Private Line Service (IPLS) (including voice and data) and Miscellaneous or Other International Services (include any Non-Private Line data service and video).

**Data Presentation**

Table 1 lists 162 carriers that filed circuit status reports, a 13% increase from 1998's 143 filing entities. Seventy-five carriers filed with active or idle capacity; the remaining 87 carriers did not have active or idle capacity in 1999. Among the filings, the three largest carriers - AT&T, WorldCom, Inc. and Sprint Communications Company L.P. - have requested confidentiality under the Freedom of Information Act. In addition, eleven other carriers also requested confidentiality. As denoted in Table 1, these carriers' reports are not available to the public. Our aggregated data, as listed in this report, however, reflect all of the carriers' information, including information by those carriers asking for confidential treatment.

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<sup>4</sup> See [http://www.fcc.gov/Bureaue/Common\\_Carrier/Reports/Fcc-State\\_Link/intl.html](http://www.fcc.gov/Bureaue/Common_Carrier/Reports/Fcc-State_Link/intl.html).

Table 2 through 5 presents four years of available data (1996 through 1999)<sup>5</sup> for each category of transmission facility. Table 2 presents undersea cable circuit status; Table 3, satellite; Table 4, terrestrial;<sup>6</sup> and Table 5, the combined transmission circuits. All tables include information organized by service type for 1996, 1997, 1998, and 1999 data.

As Table 2 shows the undersea cable circuits account for 57% of the overall active transmission capacity in 1999, an increase of 3% from 1998. Table 3 shows that the international satellite circuits account for 7% of overall transmission capacity, compared to 8% in 1998. As Table 4 demonstrates, terrestrial links account for 36% of 1998 active circuit capacity, a decrease of 2% from 1998.

Table 5 combines all three transmission media. A service mix by region from 1996 to 1999 is calculated in the last page of Table 5. For 1999, IMTS circuits accounted for 34% of the total active capacity. This figure represents a continued drop in capacity use for IMTS, from 57% in 1996, 53% in 1997, and 44% in 1998. IMTS active circuits, however, increased by 52% from 1998 to 1999. Private Line and other Data services show a strong growth in 1999. There are only two regions – Caribbean and Eastern Europe – in which the number of activated IMTS circuits exceeded 50% of their total circuits. The growth rate of private line circuits was 122% from 1998 to 1999, as compared with an increase of 63% from 1997 to 1998. This year, carriers reported many more circuits under Other Services, basically from non-private line data services, thus showing a 450% growth from 1998 to 1999.

Table 6 lists the top 30 destinations that account for 94% of the total U.S.-activated circuits at year-end 1999. United Kingdom, Canada, Mexico, Japan, and Germany remain the top five countries. The United Kingdom replaced Canada as the first among the top five countries. Previous years' top 30 ranking orders are also presented in the table for comparison. Denmark, India, and Egypt are new among the top 30 destinations in 1999, replacing Ireland, Belgium, and Portugal. Only seven of the top 30 destinations experienced heavier capacity use on IMTS than on private lines and other data services in 1999. The ratio of IMTS to private line services has continued to decrease from 1.4 in 1996, to 1.2 in 1997, to 0.8 in 1998, and to 0.5 in 1999. The ratios of IMTS to private line services for the top 30 destinations, as well as for each region, are also listed in Table 6.

### **Supplementary Data**

Table 7 lists all operational Trans-oceanic fiber optic cables in 64 Kbps units, and planned new cables whose applications have been submitted to the Commission (both granted and pending cable applications) over time, from 1988 to 2002. The total construction cost of each cable (if available) is also included in Table 7 for further reference. In 1999, the combined cable capacity (activated and idle circuits) reported by U.S. carriers for the Trans-Atlantic region was 500,280 64 Kbps circuits (Regions 1, 2, 3 and 9); this accounts for 25.7% of the total available fiber optic cable capacity (as of December 31, 1999). For the Americas region (Regions 4, 5 and 6), U.S. carriers reported cable capacity accounting for 19% of the total available fiber optic cable capacity. For the Trans-Pacific region, the

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<sup>5</sup> Due to the page size limitation of this Report, all data for 1995 were omitted from this Report, but are available in our previous reports which can be download from our website <http://www.fcc.gov/ib/td/pf/csmanual.html>.

<sup>6</sup> Terrestrial circuits include circuits carried by both microwave facilities and by terrestrial cables. Terrestrial circuits do not include circuits carried by undersea cables.

reported cable capacity accounts for 11.3% of the total available fiber optic cable capacity, as of December 31, 1999.

Note that cable capacity reported here likely understates the actual amount of capacity that is in use. For example, this year's reported cable capacity (activated and idle combined) is relatively small, only accounting for 20% of total available (in operation) cable capacity. Due to the reasons cited in the footnote,<sup>7</sup> we recognize that there might be substantial amount of cable capacities that are in use but were not covered in our report. This discrepancy could also apply to satellite capacity since many private satellite operators are marketing their capacity directly to end-users and were not subject to our reporting requirements.<sup>8</sup> Table 7 also demonstrates the trend that most of the newly activated fiber optic cables and especially the cables planned from 2001 and 2002, even with their initial capacity before reaching maximum potential capacity, have far larger capacities than the older existing cables.

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<sup>7</sup> In the past, we have identified two reasons that caused the discrepancy between reported capacity versus available capacity. One was foreign carriers' holding of the U.S. half of international cable capacity, about 20 to 25% of any particular cable system. Those foreign carriers are not required to report their capacity under Section 43.82 unless they use their capacity for the provision of U.S. international service. The other reason was the time-delay for country-specific information for any new cable system. That could have caused another 30-40% of capacity to be under-reported. However, there is third reason, which could cause a high level of unreported capacity. Under our Section 43.82, only common carriers are required to report the use of their international facility. There are increasing numbers of new non-common carrier cables being built and much of the capacity on those private cables was sold to end users, such as Internet Service Providers (ISPs) or to foreign carriers. Under those circumstances, neither cable owners nor cable users were required to report those capacities used. For example, in 1999, approximately 70% of total available capacity are from non-common carrier cables (see Table 7).

<sup>8</sup> The calculation for total U.S. satellite available capacity is different from the calculation for total U.S. available cable capacity. Due to the flexible nature of satellite coverage, each satellite can cover various countries and can be available to all those countries within its footprint. Therefore, there is no way of calculating the fixed amount of capacity that can be allocated to any given country at any specific time frame. On the other hand, fiber optic cables are fixed because they deployed only to their planned cable stations, therefore, it is possible to calculate the total cable available capacity on a particular route at any given time frame.

**TABLE - 1**  
**INTERNATIONAL CARRIERS THAT FILED 43.82 CIRCUIT STATUS DATA**  
**AS OF DECEMBER 31, 1999**

No.	Note	Company
1	1	ABS-CBN Telecom, North America, Inc.
2	3	Access Intergrated Networks
3	3	Access Telecom
4	2,3	Actel Integrated Communications, Inc.
5	3	Affinity Network, Inc.
6	3	Allegiance Telecom International, Inc.
7	2	American International Telephone Inc.
8	3	American Long Lines, Inc.
9		Americatel Corporation
10		Ameritech communications, Inc./SBC
11	3	AmeriVision Communications, Inc.
12		Andrew Telecom Inc.
13		ATC Teleports, Inc.
14	1	AT&T
15		Bell Atlantic Communications, Inc.
16	3	Bellsouth BSE, Inc.
17	2	BellSouth International Inc.
18	3	BellSouth Long distance, Inc.
19	3	BrightStar Communications, Inc.
20		Broadwing Communications Services, Inc.
21	3	Cable & Wireless HKT Pacific Ltd
22	1	Cable & Wireless Inc.
23	2	Cignal Global Communications
24	3	CNE Communications Corp
25	3	COLT Telecommunicaitons
26		Communication TeleSystems International
27	3	Communications Buying Group, Inc.
28	3	Communications support Services Inc.
29		COMSAT General Corp.
30		COMSAT Government Systems, Inc.
31	3	Concert USA
32	3	Cox Communications, Inc.
33	3	CTC Communications (of Virginia), Inc. (?)
34		DIRECTNET Telecom
35	3	Diveo Inc.
36	3	Diversified Solutions, Inc.
37	3	DSLnet communications, LLC
38	3	D.D.D. Calling, Inc.
39		Edge2net Inc. (former Global Connect Partners, Inc.)
40		Energis (Switzerland) AG
41	3	Energis, Inc.
42	3	EqualNet Corporation
43		Facilicom International
44	2	Far East Gateway
45	3	Fax Net Corporation
46		FedEx International Transmission Corp.
47	3	FirstTel, Inc.
48	3	Fort Bend Long distance, Inc.
49	3	FoxTel, Inc.
50	3	Fusion Telecommunications International Inc.
51		GE American Communications, Inc.
52	3	GE American Communications, Inc. (Revision)
53		Global Crossing
54	2	Global Leasing Inc.
55	3	Global NAPS Inc.

**TABLE - 1**  
**INTERNATIONAL CARRIERS THAT FILED 43.82 CIRCUIT STATUS DATA**  
**AS OF DECEMBER 31, 1999**

No.	Note	Company
56	3	Global Telephone Corporation
57	3	Globalcom, Inc.
58	3	GlobalStar International, Inc.
59	3	Glyphics Communications, Inc.
60		GTE Hawaiian Tel
61		GTE Pacific Inc.
62		GTE Telecom, Inc.
63		Harris Inc.
64	3	ICall, Inc.
65	3	ICG ChoiceCom, L.P.
66	3	ICG Telecom Group, Inc.
67		IDC America, Inc.
68	3	IDS Long Distance, Inc.
69		IMPSAT USA, inc.)
70	2	Infonet Broadband Services Corp.
71	3	Interactive Services Network, Inc.
72	3	Intermedia Communications, Inc.
73		International Telecommunications, Inc.
74	3	Ionex Communications, Inc.
75		Iridium U.S. L.P.
76		IT&E - Guam
77		Japan Telecom America, Inc.
78		KDD America, Inc.
79	3	Korea Telecom America, Inc.
80		KPN Qwest Assets US, Inc.
81	3	Legacy Long distance International
82		Level 3 Communicaitons, LLC
83	3	LightNetworks, Inc.
84		Local Communications Network, Inc.
85	2	Madge.web International (C.I.) Limited
86	3	Mannesmann Telecommunications USA, Inc.
87	3	Masatepe Communications, U.S.A., L.L.C.
88	1	MCI WorldCom, Inc.
89	2,3	MediaTel Corporation
90		Medley International Teleport, Inc.
91	3	Megsinet - CLEC, Inc.
92		Melbourne International Communications Ltd.
93		Metromedia Fiber Network Services
94		Mobile Satellite Com./ Pittsburg Intn'l Teleport
95	2,3	Net2000 Communications Services, Inc.
96	3	NET-tel Corporation
97	3	Network communications International Corp.
98		New Global Telecom, Inc. (NGT)
99	3	NOS communicaitons, Inc.
100	3	NOSVA Limited Partnership
101	3	NTS Communications
102	1	Ntta.com, Inc
103	3	NYNEX Long Distance Company
104	3	OmniCall, Inc.
105	3	Optel Inc.
106		Pacific Gateway Exchange Inc.
107	3	PanAmSat Carrier Services, Inc.
108		PanAmSat Communications Carrier Services, Inc.
109	3	Partner Communications Group, LLC
110	3	PDS, Inc. d/b/a Phone Debit Systems, Inc.



**TABLE - 1**  
**INTERNATIONAL CARRIERS THAT FILED 43.82 CIRCUIT STATUS DATA**  
**AS OF DECEMBER 31, 1999**

No.	Note	Company
111		Primus Telecommunications, Inc.
112	3	Progress International, L.L.C.
113		PSINetworks Company
114		Qwest Communications Corporation
115	3	RRV Enterprises, Inc.
116		RSL COM U.S.A., Inc.
117		Satellite Communication Systems, Inc.
118	2	Signapore Telecom USA, Inc.
119	2,3	Single Source, Inc.
120	3	Southwestern Bell Communicaitons Services, Inc.
121	1	Sprint
122	1	STAR Telecommunications, Inc.
123		STARTEC Inc.
124	1	Swisscom North America, Inc.
125	3	Talk.com Holding
126	1	Tele Danmark USA, Inc.
127	3	Telecoin Guest Entertainment Co.
128		Telecom New Zealand Limited
129	2,3	Telecom Resources, Inc.
130		Telecomunicaciones Ultramarinas de P.R. **
131		Telefonica Larga Distancia, Inc.
132	1	Teleglobe USA Inc.
133	3	TeleKey, LLC
134	3	Telephone Company of Central Florida, Inc.
135	1	Telia North America, Inc.
136	3	Telmatch Telecommunications, Inc.
137	2,3	TELRON Communications USA, Inc.
138	1	Telstral Incorporated
139	2,3	Teltrust Communication Services, Inc.
140		TELUS Communicaitons (B.C.) Inc.
141	3	The Other Phone Company, Inc(?)(dba Access One Comm.).
142		TMEX USA
143		TRICOM USA, Inc.
144	3	Unisource USA
145	3	United States Advanced Networks
146	3	Universal Telecom
147	3	UniversalCom, Inc.
148		URSUS Inc.
149	3	USA Global Link
150	3	USLD Communications, Inc.
151	3	U.S. WEST Long Distance, Inc.
152	2,3	Value-Line of Longview, Inc.
153	3	VDC Telecommunications, Inc.
154	3	VIAG INTERKOM Gmbh & Co.
155	1	Viatel Inc.
156	1	Viatel Services, Inc. (former Destia Comm. Serv. Inc.)
157	3	Voice & Data communications (Hong Kong) Limited
158		V-SAT Telecom, INC.
159		Williams Communications, Inc.
160		World Access Telecommunications Group
161	3	WorldConnectTelecom.Com, Inc.
162	3	Z-Tel Communications, Inc.

Notes:

- 1 = Confidential treatment requested
- 2 = New Carriers who filed 43.82 data for the first time in 1999
- 3 = No active or idle circuits in 1999

TABLE 2 - Cable Circuit Status 1996 - 1999

Reg Code	Country	1999 Cable					1998 Cable					1997 Cable					1996 Cable				
		IMTS Total Ckts	P.L. Total Ckts	Other Total Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Cable Active Ckts	Cable Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Cable Active Ckts	Cable Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Cable Active Ckts	Cable Idle Ckts
1	Andorra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Austria	270	80	0	350	465	272	122	1	395	319	240	134	2	376	297	239	63	1	303	300
1	Belgium	1,737	444	0	2,181	868	1,206	886	1	2,093	226	1,350	809	1	2,160	721	808	587	1	1,396	970
1	Cyprus	81	118	0	199	66	53	18	0	71	33	98	86	0	184	40	98	19	0	117	32
1	Denmark	1,267	167	2,520	3,954	542	586	160	1	747	566	517	94	1	612	243	481	73	1	555	224
1	Finland	415	166	0	581	339	276	202	1	479	210	326	133	1	460	182	357	76	1	434	238
1	France	5,336	8,368	2,010	15,714	4,454	4,080	2,582	31	6,693	5,118	2,833	3,313	156	6,302	5,531	2,510	2,828	13	5,351	4,106
1	Germany	9,261	20,872	541	30,674	13,521	5,595	7,107	33	12,735	11,377	5,120	7,724	65	12,909	8,553	3,835	4,604	10	8,449	7,070
1	Gibraltar	30	0	0	30	0	30	0	0	30	0	30	0	0	30	0	30	0	0	30	0
1	Greece	224	250	0	474	105	165	9	0	174	37	254	95	0	349	43	210	68	0	278	145
1	Greenland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Iceland	168	62	0	230	11	50	11	0	61	0	93	25	0	118	6	108	18	0	126	18
1	Ireland	1,229	765	0	1,994	1,808	1,139	850	24	2,013	1,024	1,347	620	24	1,991	853	1,199	462	0	1,661	937
1	Italy	2,529	626	0	3,155	1,735	2,054	785	1	2,840	314	1,550	783	1	2,334	1,345	1,651	602	1	2,254	1,221
1	Liechtenstein	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Luxembourg	179	43	0	222	198	135	42	1	178	107	136	39	1	176	98	134	8	1	143	103
1	Malta	8	8	0	16	0	8	8	0	16	0	0	0	0	0	0	0	0	0	0	0
1	Netherlands	1,831	20,666	30	22,527	17,721	2,087	6,086	9	8,182	15,115	1,179	2,028	23	3,230	3,006	1,073	1,903	9	2,985	1,691
1	Norway	549	118	0	667	355	472	60	1	533	98	483	86	1	570	358	454	74	1	529	73
1	Portugal	458	759	0	1,217	251	428	1,410	1	1,839	68	429	319	1	749	37	380	90	1	471	104
1	Spain	1,463	1,020	2	2,485	1,878	1,932	1,044	2	2,978	1,894	1,706	976	3	2,685	1,705	1,167	184	2	1,353	2,051
1	Sweden	3,138	6,547	0	9,685	1,806	2,613	9,417	127	12,157	2,054	976	3,468	127	4,571	1,805	766	1,375	1	2,142	1,123
1	Switzerland	1,991	6,570	0	8,561	2,133	2,251	1,573	1	3,825	2,291	1,237	1,109	1	2,347	1,923	863	689	1	1,553	1,520
1	Turkey	262	114	0	376	318	150	44	0	194	292	228	115	0	343	288	173	65	0	238	307
1	United Kingdom	54,780	204,018	15,601	274,399	57,258	25,444	75,617	2,978	104,039	110,025	18,189	23,057	291	41,537	22,514	12,811	18,933	290	32,034	11,060
2	Algeria	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Angola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Benin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Botswana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Burkina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Burundi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Cameroon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Canary Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Cape Verde	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Central African Republic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Chad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Comoros	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Congo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Cote d'Ivoire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Djibouti	15	0	0	15	15	15	0	0	15	15	15	0	0	15	15	15	0	0	15	15
2	Egypt	129	159	0	288	44	75	182	0	257	35	45	70	0	115	45	30	33	0	63	58
2	Equatorial Guinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ethiopia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Gabon	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Gambia, The	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	30	0
2	Ghana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Guinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Guinea-Bissau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Kenya	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Lesotho	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Liberia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Libya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Madagascar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Malawi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Mali	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Mauritania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 2 - Cable Circuit Status 1996 - 1999

Reg Code	Country	1999 Cable					1998 Cable					1997 Cable					1996 Cable				
		IMTS Total Ckts	P.L. Total Ckts	Other Total Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Cable Active Ckts	Cable Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Cable Active Ckts	Cable Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Cable Active Ckts	Cable Idle Ckts
2	Mauritius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Morocco	56	3	0	59	32	59	5	0	64	0	59	3	0	62	0	59	3	0	62	0
2	Mozambique	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Namibia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Niger	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Nigeria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	30	0	0
2	Reunion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Rwanda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Saint Helena	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Sao Tome and Principe	52	0	0	52	0	52	0	0	52	0	0	0	0	0	0	0	0	0	0	0
2	Senegal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Seychelles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Sierra Leone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Somalia	16	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	South Africa	269	246	0	515	680	239	338	0	577	229	239	284	0	523	171	180	177	0	357	200
2	Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Swaziland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Tanzania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Togo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Tunisia	45	17	0	62	0	45	1	0	46	0	48	17	0	65	0	48	9	0	57	7
2	Uganda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Western Sahara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Zaire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Zambia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Zimbabwe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	4	0	15	0	0
3	Bahrain	25	24	0	49	10	0	0	0	30	0	0	0	0	0	19	12	0	31	7	0
3	Iran	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Iraq	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Israel	902	2,418	180	3,500	574	749	1,054	120	1,923	469	700	590	1	1,291	254	590	272	1	863	262
3	Jordan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Kuwait	0	1	0	1	0	0	0	0	0	0	0	0	0	0	60	31	0	91	0	0
3	Lebanon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0
3	Oman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Qatar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Saudi Arabia	119	75	0	194	179	149	0	0	149	180	179	0	0	179	90	150	0	0	150	150
3	Syria	85	3	0	88	0	56	2	0	58	0	86	6	0	92	0	30	0	0	30	0
3	United Arab Emirates	56	1,450	0	1,506	104	55	5	0	60	30	0	0	0	30	0	0	0	0	0	30
3	Yemen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Anguilla	36	0	0	36	0	6	0	0	6	0	4	0	0	4	0	4	0	0	4	0
4	Antigua and Barbuda	249	39	0	288	6	224	5	0	229	24	214	36	0	250	6	162	36	0	198	55
4	Aruba	147	11	0	158	33	58	0	0	58	62	30	0	0	30	0	22	0	0	22	68
4	Bahamas, The	713	122	0	835	4	1,083	91	1	1,175	85	858	17	0	875	117	460	4	0	464	31
4	Barbados	175	78	0	253	235	167	68	0	235	120	180	55	0	235	70	149	46	0	195	28
4	Bermuda	448	561	0	1,009	374	529	196	1	726	219	551	209	1	761	252	353	168	1	522	108
4	Cayman Islands	29	20	0	49	29	0	6	0	6	90	0	0	0	0	0	8	0	0	8	0
4	Cuba	141	2	0	143	0	141	2	0	143	0	141	0	0	141	0	141	2	0	143	0
4	Dominica	94	0	0	94	0	74	0	0	74	0	182	0	0	182	0	17	0	0	17	0
4	Dominican Republic	1,781	436	0	2,217	629	1,809	319	0	2,128	945	1,353	158	0	1,511	811	571	143	0	714	162
4	French Overseas Departments	25	0	0	25	5	30	0	0	30	0	25	5	0	30	0	25	1	0	26	4
4	Grenada	88	19	0	107	0	88	11	0	99	0	90	6	0	96	0	65	3	0	68	60
4	Guadeloupe	30	0	0	30	0	33	0	0	33	0	63	0	0	63	0	60	1	0	61	0
4	Haiti	60	2	0	62	120	60	1	0	61	120	60	0	0	60	120	60	0	0	60	120
4	Jamaica	287	136	0	423	116	392	52	1	445	33	209	18	1	228	169	240	22	1	263	30
4	Montserrat	42	0	0	42	0	42	0	0	42	0	62	0	0	62	0	33	0	0	33	20
4	Navassa Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Netherlands Antilles	207	3	0	210	301	210	1	0	211	60	210	1	0	211	240	128	0	0	128	296

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4	Puerto Rico	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Saint Kitts and Nevis	124	0	0	124	0	70	0	0	70	0	90	0	0	90	0	50	0	0	50	0
4	Saint Lucia	128	4	0	132	4	98	8	0	106	32	120	8	0	128	2	98	0	0	98	1
4	Saint Vincent and the Grenadines	65	0	0	65	0	7	0	0	7	0	30	0	0	30	0	24	0	0	24	0
4	Trinidad and Tobago	564	107	0	671	279	534	77	0	611	312	564	25	0	589	308	385	24	0	409	462
4	Turks and Caicos Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	U.S. Virgin Islands	768	87	0	855	32	1,410	342	0	1,752	785	1,380	198	0	1,578	911	1,380	133	0	1,513	689
4	Virgin Islands, British	178	44	0	222	2,002	180	57	0	237	2,593	300	28	0	328	82	254	32	0	286	69
5	Alaska	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Belize	0	0	0	0	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0
5	Canada	1,012	261	0	1,273	182	196	24	0	220	30	74	0	0	74	196	76	0	0	76	94
5	Costa Rica	15	161	0	176	202	45	59	0	104	75	45	21	0	66	0	0	0	0	0	0
5	El Salvador	180	93	0	273	13	154	31	0	185	386	90	24	0	114	520	0	0	0	0	510
5	Guatemala	30	104	0	134	71	30	115	0	145	2	0	34	0	34	35	0	0	0	0	30
5	Honduras	150	47	0	197	14	181	15	0	196	422	60	30	0	90	481	0	30	0	30	540
5	Mexico	73	15	0	88	3	478	0	0	478	32	358	0	0	358	32	54	0	0	54	96
5	Nicaragua	29	66	0	95	22	29	2	0	31	90	0	0	0	0	90	0	0	0	0	0
5	Panama	29	52	0	81	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
5	Saint Pierre and Miquelon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	United States (conterminous)	132	245	104	481	431	109	252	78	439	207	114	153	36	303	168	82	30	18	130	220
6	Argentina	516	994	30	1,540	756	465	750	1	1,216	641	487	501	1	989	491	434	121	1	556	587
6	Bolivia	0	21	0	21	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Brazil	1,115	4,397	106	5,618	1,401	1,598	2,816	9	4,423	1,151	1,326	1,902	1	3,229	941	1,266	852	1	2,119	748
6	Chile	385	597	38	1,020	847	152	155	0	307	730	30	43	0	73	170	30	0	0	30	660
6	Colombia	867	735	24	1,626	1,285	930	440	1	1,371	428	899	290	1	1,190	344	969	196	1	1,166	424
6	Ecuador	0	23	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
6	French Guiana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Guyana	0	0	0	0	120	0	0	0	0	120	0	0	0	0	120	0	0	0	0	120
6	Paraguay	60	0	0	60	30	30	0	0	30	0	30	0	0	30	0	0	0	0	0	0
6	Peru	203	110	0	313	58	0	0	0	0	360	0	0	0	0	30	0	0	0	0	30
6	Suriname	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Uruguay	90	118	0	208	90	61	71	0	132	120	29	66	0	95	121	0	0	0	0	150
6	Venezuela	1,732	1,755	0	3,487	1,447	1,701	1,076	1	2,778	1,571	1,462	796	1	2,259	1,475	1,247	464	1	1,712	1,538
7	Afghanistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bangladesh	127	4	0	131	61	113	0	0	113	61	109	0	0	109	31	125	0	0	125	30
7	Bhutan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Brunei	22	0	0	22	0	22	0	0	22	0	22	0	0	22	0	0	0	0	0	11
7	Burma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Cambodia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	22
7	Chagos Archipelago	90	0	0	90	0	31	0	0	31	0	31	0	0	31	0	31	0	0	31	0
7	China *	1,100	944	1	2,045	1,194	973	492	4	1,469	870	839	174	0	1,013	1,046	642	102	0	744	609
7	French Southern and Antarctic Lands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Hong Kong	1,080	7,785	264	9,129	4,227	1,036	4,672	40	5,748	3,647	957	3,043	41	4,041	1,851	671	1,901	9	2,581	836
7	India	1,009	1,583	0	2,592	671	693	285	0	978	267	951	502	0	1,453	131	923	118	0	1,041	93
7	Indonesia	502	330	0	832	296	568	262	0	830	305	446	293	0	739	136	208	175	0	383	38
7	Japan	8,620	34,666	1,024	44,310	29,158	6,968	12,210	869	20,047	28,169	6,476	9,800	27	16,303	17,262	5,317	7,454	15	12,786	17,674
7	Kampuchea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Korea, North	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Korea, South	2,376	7,133	25	9,534	5,148	1,992	3,914	5	5,911	5,341	1,941	3,605	2	5,548	3,885	1,062	1,316	1	2,379	3,901
7	Laos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Macau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Malaysia	537	1,271	0	1,808	157	556	1,321	1	1,878	182	428	897	1	1,326	1,698	308	259	1	568	224
7	Maldives	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Mongolia	9	0	0	9	0	9	0	0	9	0	9	0	0	9	0	9	0	0	9	0
7	Nepal	10	0	0	10	20	10	0	0	10	20	30	0	0	30	0	30	0	0	30	0
7	Pakistan	0	5	0	5	0	0	1	0	1	0	0	0	0	0	0	30	2	0	32	0

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7	Philippines	3,140	1,839	2	4,981	2,574	3,106	1,437	3	4,546	1,954	2,787	826	3	3,616	1,599	1,873	390	2	2,265	1,688
7	Singapore	713	4,510	151	5,374	2,120	682	1,899	3	2,584	1,975	490	1,556	2	2,048	576	411	1,036	2	1,449	528
7	Sri Lanka	75	44	0	119	120	100	32	0	132	31	110	8	0	118	31	113	5	0	118	34
7	Taiwan	1,546	1,831	25	3,402	4,580	1,270	1,908	26	3,204	4,897	1,507	992	2	2,501	907	1,241	582	2	1,825	1,186
7	Thailand	351	798	0	1,149	458	362	517	0	879	317	274	325	0	599	135	124	132	0	256	83
7	Vietnam	489	93	0	582	112	479	55	0	534	51	478	30	0	508	1,651	206	4	0	210	30
8	American Samoa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Australia	2,431	9,023	347	11,801	6,055	3,404	5,252	163	8,819	5,248	4,053	4,138	10	8,201	1,022	2,100	2,306	10	4,416	1,770
8	Baker Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Cook Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Fiji	16	0	0	16	0	16	0	0	16	0	20	0	0	20	0	20	0	0	20	0
8	French Polynesia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Guam	354	958	0	1,312	723	318	907	0	1,225	753	351	744	0	1,095	659	272	261	0	533	396
8	Hawaii	15	48	0	63	30	9	80	0	89	60	62	36	2	100	2	9	124	0	133	109
8	Howland Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Jarvis Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Johnston Atoll	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Kingman Reef	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Kiribati	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Marshall Islands	7	0	0	7	0	7	0	0	7	0	0	0	0	0	0	0	2	0	2	0
8	Micronesia, Federated States of	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Midway Atoll	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Nauru	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	New Caledonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	New Zealand	769	529	1	1,299	64	725	360	2	1,087	254	624	377	2	1,003	59	390	372	2	764	239
8	Niue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Norfolk Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Northern Mariana Islands	162	61	50	273	36	78	36	41	155	31	48	32	16	96	30	0	0	0	0	0
8	Pacific Islands (Palau)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Palmyra Atoll	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Papua New Guinea	15	0	0	15	0	15	0	0	15	0	8	0	0	8	0	8	0	0	8	0
8	Solomon Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Tonga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Tuvalu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Vanuatu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Wake Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Wallis and Futuna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Western Samoa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Albania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Armenia	0	0	0	0	0	0	0	0	0	0	44	2	0	46	0	0	0	0	0	0
9	Azerbaijan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Belarus	89	0	0	89	0	38	0	0	38	0	24	0	0	24	0	8	0	0	8	0
9	Bosnia and Herzegovina	29	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Bulgaria	29	0	0	29	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
9	Croatia	128	155	0	283	0	128	155	0	283	0	122	155	0	277	56	98	33	0	131	0
9	Czech Republic	199	17	0	216	60	197	7	0	204	93	105	8	0	113	146	158	8	0	166	86
9	Estonia	30	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Georgia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Hungary	172	45	0	217	119	141	37	0	178	127	112	31	0	143	102	60	27	0	87	139
9	Kazakhstan	60	6	0	66	30	38	0	0	38	30	38	0	0	38	30	38	0	0	38	30
9	Kyrgyzstan	30	0	0	30	0	30	0	0	30	0	30	0	0	30	0	30	0	0	30	0
9	Latvia	60	0	0	60	0	60	0	0	60	0	30	0	0	30	0	30	0	0	30	0
9	Lithuania	29	0	0	29	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Moldova	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Poland	845	85	0	930	444	879	49	0	928	424	550	109	0	659	623	535	45	0	580	692
9	Romania	22	0	0	22	30	0	0	0	0	30	0	0	0	0	0	30	0	0	30	0

TABLE 2 - Cable Circuit Status 1996 - 1999

Reg Code	Country	1999 Cable					1998 Cable					1997 Cable					1996 Cable				
		IMTS Total Ckts	P.L. Total Ckts	Other Total Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Cable Active Ckts	Cable Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Cable Active Ckts	Cable Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Cable Active Ckts	Cable Idle Ckts
9	Russia	1,325	1,285	0	2,610	393	1,037	644	0	1,681	417	972	295	0	1,267	364	567	92	0	659	522
9	Serbia	116	31	0	147	74	91	31	0	122	99	92	31	0	123	99	30	4	0	34	135
9	Slovakia	120	60	0	180	0	98	8	0	106	0	98	8	0	106	0	68	8	0	76	30
9	Slovenia	60	31	0	91	31	60	0	0	60	0	60	62	0	122	0	60	31	0	91	0
9	Tajikistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Turkmenistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Ukraine	307	117	0	424	29	306	31	0	337	0	120	0	0	120	150	30	0	0	30	0
9	Uzbekistan	56	6	0	62	0	30	0	0	30	0	38	0	0	38	22	8	0	0	8	22
10	Antarctica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - Atlantic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - other oceans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - Pacific	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total for all International Points		131,243	362,938	23,076	517,257	177,801	92,599	153,264	4,583	250,446	219,654	76,909	78,686	850	156,445	92,758	57,319	52,369	403	110,091	73,162
Activated Circuits %					74.4%					53.3%					62.8%					60.1%	
Idle Circuits %					25.6%					46.7%					37.2%					39.9%	
Service Mix		25.4%	70.2%	4.5%	100.0%		37.0%	61.2%	1.8%	100.0%		49.2%	50.3%	0.5%	100.0%		52.1%	47.6%	0.4%	100.0%	
Regional Total																					
1	Western Europe	87,206	271,781	20,704	379,691	105,832	51,026	108,033	3,213	162,272	151,168	38,321	45,013	699	84,033	49,548	29,347	32,721	334	62,402	33,293
2	Africa	582	428	0	1,010	786	485	526	0	1,011	279	406	374	0	780	231	403	226	0	629	280
3	Middle East	1,187	3,971	180	5,338	867	1,009	1,061	120	2,190	709	965	596	1	1,562	374	849	316	1	1,166	451
4	Caribbean	6,379	1,671	0	8,050	4,169	7,245	1,236	3	8,484	5,480	6,716	764	2	7,482	3,088	4,681	623	2	5,306	2,203
5	North and Central America	1,650	1,044	104	2,798	999	1,222	498	78	1,798	1,244	752	262	36	1,050	1,522	212	60	18	290	1,520
6	South America	4,968	8,750	198	13,916	6,132	4,937	5,308	12	10,257	5,121	4,263	3,598	4	7,865	3,692	3,946	1,633	4	5,583	4,258
7	Asia	21,796	62,836	1,492	86,124	50,896	18,970	29,005	951	48,926	48,087	17,885	22,051	78	40,014	30,939	13,332	13,476	32	26,840	26,987
8	Oceania	3,769	10,619	398	14,786	6,908	4,572	6,635	206	11,413	6,346	5,166	5,327	30	10,523	1,772	2,799	3,065	12	5,876	2,514
9	Eastern Europe	3,706	1,838	0	5,544	1,212	3,133	962	0	4,095	1,220	2,435	701	0	3,136	1,592	1,750	249	0	1,999	1,656
10	Other Regions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total for all International Points		131,243	362,938	23,076	517,257	177,801	92,599	153,264	4,583	250,446	219,654	76,909	78,686	850	156,445	92,758	57,319	52,369	403	110,091	73,162
Regional % of Total																					
1	Western Europe	66.4%	74.9%	89.7%	73.4%	59.5%	55.1%	70.5%	70.1%	64.8%	68.8%	49.8%	57.2%	82.2%	53.7%	53.4%	51.2%	62.5%	82.9%	56.7%	45.5%
2	Africa	0.4%	0.1%	0.0%	0.2%	0.4%	0.5%	0.3%	0.0%	0.4%	0.1%	0.5%	0.5%	0.0%	0.5%	0.2%	0.7%	0.4%	0.0%	0.6%	0.4%
3	Middle East	0.9%	1.1%	0.8%	1.0%	0.5%	1.1%	0.7%	2.6%	0.9%	0.3%	1.3%	0.8%	0.1%	1.0%	0.4%	1.5%	0.6%	0.2%	1.1%	0.6%
4	Caribbean	4.9%	0.5%	0.0%	1.6%	2.3%	7.8%	0.8%	0.1%	3.4%	2.5%	8.7%	1.0%	0.2%	4.8%	3.3%	8.2%	1.2%	0.5%	4.8%	3.0%
5	North and Central America	1.3%	0.3%	0.5%	0.5%	0.6%	1.3%	0.3%	1.7%	0.7%	0.6%	1.0%	0.3%	4.2%	0.7%	1.6%	0.4%	0.1%	4.5%	0.3%	2.1%
6	South America	3.8%	2.4%	0.9%	2.7%	3.4%	5.3%	3.5%	0.3%	4.1%	2.3%	5.5%	4.6%	0.5%	5.0%	4.0%	6.9%	3.1%	1.0%	5.1%	5.8%
7	Asia	16.6%	17.3%	6.5%	16.7%	28.6%	20.5%	18.9%	20.8%	19.5%	21.9%	23.3%	28.0%	9.2%	25.6%	33.4%	23.3%	25.7%	7.9%	24.4%	36.9%
8	Oceania	2.9%	2.9%	1.7%	2.9%	3.9%	4.9%	4.3%	4.5%	4.6%	2.9%	6.7%	6.8%	3.5%	6.7%	1.9%	4.9%	5.9%	3.0%	5.3%	3.4%
9	Eastern Europe	2.8%	0.5%	0.0%	1.1%	0.7%	3.4%	0.6%	0.0%	1.6%	0.6%	3.2%	0.9%	0.0%	2.0%	1.7%	3.1%	0.5%	0.0%	1.8%	2.3%
10	Other Regions	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total for all International Points		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

TABLE 2 - Cable Circuit Status 1996 - 1999

Reg Code	Country	1999 Cable					1998 Cable					1997 Cable					1996 Cable				
		IMTS Total Ckts	P.L. Total Ckts	Other Total Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Cable Active Ckts	Cable Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Cable Active Ckts	Cable Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Cable Active Ckts	Cable Idle Ckts
	Service Mix By Region																				
1	Western Europe	23.0%	71.6%	5.5%	100.0%		31.4%	66.6%	2.0%	100.0%		45.6%	53.6%	0.8%	100.0%		47.0%	52.4%	0.5%	100.0%	
2	Africa	57.6%	42.4%	0.0%	100.0%		48.0%	52.0%	0.0%	100.0%		52.1%	47.9%	0.0%	100.0%		64.1%	35.9%	0.0%	100.0%	
3	Middle East	22.2%	74.4%	3.4%	100.0%		46.1%	48.4%	5.5%	100.0%		61.8%	38.2%	0.1%	100.0%		72.8%	27.1%	0.1%	100.0%	
4	Caribbean	79.2%	20.8%	0.0%	100.0%		85.4%	14.6%	0.0%	100.0%		89.8%	10.2%	0.0%	100.0%		88.2%	11.7%	0.0%	100.0%	
5	North and Central America	59.0%	37.3%	3.7%	100.0%		68.0%	27.7%	4.3%	100.0%		71.6%	25.0%	3.4%	100.0%		73.1%	20.7%	6.2%	100.0%	
6	South America	35.7%	62.9%	1.4%	100.0%		48.1%	51.8%	0.1%	100.0%		54.2%	45.7%	0.1%	100.0%		70.7%	29.2%	0.1%	100.0%	
7	Asia	25.3%	73.0%	1.7%	100.0%		38.8%	59.3%	1.9%	100.0%		44.7%	55.1%	0.2%	100.0%		49.7%	50.2%	0.1%	100.0%	
8	Oceania	25.5%	71.8%	2.7%	100.0%		40.0%	58.3%	1.6%	100.0%		49.1%	50.6%	0.3%	100.0%		47.6%	52.2%	0.2%	100.0%	
9	Eastern Europe	66.8%	33.2%	0.0%	100.0%		76.5%	23.5%	0.0%	100.0%		77.6%	22.4%	0.0%	100.0%		87.5%	12.5%	0.0%	100.0%	
10	Other Regions	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%	
	Total for all International Points	25.4%	70.2%	4.5%	100.0%		37.0%	61.2%	1.8%	100.0%		49.2%	50.3%	0.5%	100.0%		52.1%	47.6%	0.4%	100.0%	
	Transmission Mix (% of total)				57%					54%					45%						43%
	Regional Annual Growth by Service																				
1	Western Europe	71%	152%	544%	134%	-30%	33%	140%	360%	93%	205%	31%	38%	109%	35%	49%	42%	219%	-46%	98%	-40%
2	Africa	20%	-19%	0%	-0%	182%	19%	41%	0%	30%	21%	1%	65%	0%	24%	-18%	74%	326%	0%	121%	83%
3	Middle East	18%	274%	50%	144%	22%	5%	78%	11900%	40%	90%	14%	89%	0%	34%	-17%	47%	327%	0%	79%	338%
4	Caribbean	-12%	35%	-100%	-5%	-24%	8%	62%	50%	13%	77%	43%	23%	0%	41%	40%	-11%	59%	0%	-6%	-14%
5	North and Central America	35%	110%	33%	56%	-20%	63%	90%	117%	71%	-18%	255%	337%	100%	262%	0%	-39%	94%	20%	-26%	-18%
6	South America	1%	65%	1550%	36%	20%	16%	48%	200%	30%	39%	8%	120%	0%	41%	-13%	19%	373%	0%	53%	-27%
7	Asia	15%	117%	57%	76%	6%	6%	32%	1119%	22%	55%	34%	64%	144%	49%	15%	34%	232%	-57%	91%	3%
8	Oceania	-18%	60%	93%	30%	9%	-11%	25%	587%	8%	258%	85%	74%	150%	79%	-30%	-2%	252%	20%	58%	66%
9	Eastern Europe	18%	91%	0%	35%	-1%	29%	37%	0%	31%	-23%	39%	182%	0%	57%	-4%	2%	983%	0%	15%	37%
10	Other Regions	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-100%	0%	0%	-100%	0%
	Total for all International Points	42%	137%	404%	107%	-19%	20%	95%	439%	60%	137%	34%	50%	111%	42%	27%	27%	225%	-44%	78%	-23%

\* One carrier has revised its 1998 China idle capacity figure. 1998 regional summary has also been recalculated to reflect that change.

TABLE 3 - Satellite Circuit Status 1996 - 1999

Reg Code	Country	1999 Satellite					1998 Satellite					1997 Satellite					1996 Satellite				
		IMTS Total Ckts	P.L. Total Ckts	Other Total Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Sat Active Ckts	Sat Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Sat Active Ckts	Sat Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Sat Active Ckts	Sat Idle Ckts
1	Andorra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Austria	44	25	0	69	0	43	4	0	47	0	43	4	0	47	0	45	4	0	49	0
1	Belgium	0	29	0	29	0	0	43	0	43	0	0	0	43	43	0	90	0	43	133	0
1	Cyprus	0	19	0	19	0	0	8	0	8	0	0	0	0	0	0	0	0	0	0	0
1	Denmark	0	67	0	67	0	0	43	0	43	0	30	0	43	73	0	30	0	43	73	0
1	Finland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	France	0	22	0	22	0	299	44	0	343	0	299	1	43	343	0	300	2	43	345	0
1	Germany	0	612	0	612	0	0	257	0	257	0	0	304	43	347	0	0	32	43	75	0
1	Gibraltar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Greece	149	168	0	317	0	120	43	0	163	0	150	31	43	224	0	120	38	43	201	8
1	Greenland	0	750	0	750	0	0	559	0	559	0	0	424	0	424	0	0	0	0	0	0
1	Iceland	23	102	0	125	0	23	99	0	122	0	34	157	0	191	0	15	1	0	16	0
1	Ireland	90	21	0	111	0	90	43	0	133	0	90	0	43	133	0	90	0	43	133	0
1	Italy	121	83	92	296	30	180	74	92	346	0	150	30	43	223	11	121	154	43	318	10
1	Liechtenstein	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Luxembourg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Malta	27	0	0	27	0	27	0	0	27	0	27	0	0	27	0	42	0	0	42	0
1	Netherlands	0	21	0	21	0	0	43	0	43	0	0	0	43	43	0	0	0	43	43	0
1	Norway	0	21	0	21	0	0	43	0	43	0	30	0	43	73	0	30	0	43	73	0
1	Portugal	30	119	0	149	0	30	140	0	170	0	30	97	43	170	0	31	0	43	74	0
1	Spain	30	37	0	67	0	58	108	0	166	0	16	65	43	124	0	42	17	43	102	0
1	Sweden	60	21	0	81	0	60	43	0	103	0	60	0	43	103	0	60	0	43	103	0
1	Switzerland	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	89	27	0	116	0
1	Turkey	59	330	0	389	3	59	79	0	138	15	59	34	43	136	3	60	86	43	189	11
1	United Kingdom	0	1,936	0	1,936	0	0	211	0	211	0	8	151	43	202	0	338	60	43	441	0
2	Algeria	39	26	0	65	2	15	43	0	58	0	39	4	43	86	0	15	0	43	58	0
2	Angola	8	56	0	64	6	8	23	0	31	2	13	31	0	44	6	8	10	0	18	2
2	Benin	34	3	0	37	0	31	3	0	34	0	26	3	0	29	0	19	1	0	20	0
2	Botswana	22	10	0	32	0	22	10	0	32	0	20	8	0	28	4	16	4	0	20	4
2	Burkina	14	0	0	14	0	14	0	0	14	0	20	0	0	20	0	14	0	0	14	0
2	Burundi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Cameroon	60	582	0	642	4	55	5	0	60	0	60	11	0	71	0	46	5	0	51	13
2	Canary Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Cape Verde	24	2	0	26	0	24	2	0	26	0	24	0	0	24	0	24	0	0	24	0
2	Central African Republic	4	2	0	6	0	4	0	0	4	0	8	1	0	9	0	8	1	0	9	0
2	Chad	6	0	0	6	0	6	2	0	8	0	6	3	0	9	0	6	1	0	7	2
2	Comoros	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Congo	45	15	0	60	0	58	5	0	63	0	46	6	0	52	0	23	6	0	29	0
2	Cote d'Ivoire	55	58	0	113	0	45	12	1	58	0	55	10	1	66	0	50	6	1	57	0
2	Djibouti	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Egypt	141	2,206	0	2,347	24	203	85	1	289	3	170	53	3	226	2	173	23	3	199	2
2	Equatorial Guinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ethiopia	125	32	0	157	2	110	8	0	118	2	110	4	0	114	6	155	4	1	160	6
2	Gabon	45	12	0	57	0	41	4	0	45	0	45	4	0	49	0	31	3	0	34	1
2	Gambia, The	31	0	0	31	0	61	0	0	61	0	24	0	0	24	0	46	0	0	46	0
2	Ghana	178	52	0	230	30	135	11	0	146	1	75	3	0	78	0	89	4	0	93	0
2	Guinea	24	34	0	58	0	89	4	0	93	0	90	4	0	94	0	35	2	0	37	0
2	Guinea-Bissau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Kenya	75	57	0	132	0	75	12	0	87	1	75	9	0	84	1	75	6	1	82	0
2	Lesotho	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0	21	0	0	21	0
2	Liberia	57	9	0	66	0	57	3	0	60	0	83	0	0	83	0	60	0	0	60	0
2	Libya	4	0	0	4	0	4	0	0	4	0	4	0	0	4	0	4	0	0	4	0
2	Madagascar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Malawi	46	8	0	54	0	46	8	0	54	0	46	3	0	49	0	43	1	0	44	0
2	Mali	46	0	0	46	0	46	0	0	46	0	46	0	0	46	0	34	0	0	34	0
2	Mauritania	30	0	0	30	0	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0



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		IMTS Total Ckts	P.L. Total Ckts	Other Total Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Sat Active Ckts	Sat Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Sat Active Ckts	Sat Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Sat Active Ckts	Sat Idle Ckts
2	Mauritius	18	17	0	35	12	18	28	0	46	0	11	13	0	24	15	8	6	0	14	2
2	Morocco	56	16	0	72	0	56	4	0	60	0	54	4	0	58	0	30	4	0	34	0
2	Mozambique	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0
2	Namibia	8	12	0	20	0	8	2	0	10	0	8	4	0	12	0	8	0	0	8	0
2	Niger	10	0	0	10	0	10	0	0	10	0	10	0	0	10	0	10	0	1	11	0
2	Nigeria	364	499	0	863	0	294	34	0	328	0	232	3	0	235	0	178	6	1	185	0
2	Reunion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Rwanda	30	2	0	32	0	28	2	0	30	0	30	3	0	33	0	30	1	0	31	0
2	Saint Helena	0	26	0	26	0	0	319	0	319	0	0	3	0	3	0	0	3	0	3	0
2	Sao Tome and Principe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Senegal	31	14	0	45	0	27	1	0	28	0	59	1	0	60	0	79	1	1	81	0
2	Seychelles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Sierra Leone	27	4	0	31	0	27	4	0	31	0	27	4	0	31	0	27	4	0	31	0
2	Somalia	0	10	0	10	3	15	0	0	15	0	15	4	0	19	0	16	2	0	18	0
2	South Africa	163	235	0	398	76	193	321	0	514	31	184	138	0	322	25	202	75	1	278	13
2	Sudan	46	0	0	46	0	46	0	0	46	0	46	1	0	47	0	46	1	0	47	0
2	Swaziland	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0
2	Tanzania	31	7	0	38	0	31	1	0	32	0	31	4	0	35	0	45	3	0	48	0
2	Togo	16	23	0	39	0	16	4	0	20	0	23	0	0	23	0	8	0	0	8	0
2	Tunisia	16	21	0	37	0	46	43	0	89	0	42	0	43	85	0	42	0	43	85	0
2	Uganda	57	4	0	61	1	57	3	0	60	0	81	3	0	84	1	81	3	0	84	1
2	Western Sahara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Zaire	15	2	0	17	0	105	7	0	112	0	135	7	0	142	0	98	4	0	102	0
2	Zambia	60	4	0	64	0	60	2	0	62	0	50	2	0	52	0	50	2	0	52	0
2	Zimbabwe	74	31	0	105	1	74	19	0	93	1	74	18	0	92	1	59	1	1	61	1
3	Bahrain	83	514	0	597	10	83	411	0	494	11	79	72	333	484	24	56	34	0	90	1
3	Iran	265	4	0	269	0	235	5	0	240	0	265	3	0	268	0	266	2	0	268	0
3	Iraq	72	3	0	75	0	102	2	0	104	0	102	3	0	105	0	84	0	0	84	0
3	Israel	239	2,675	0	2,914	8	269	189	0	458	29	382	253	0	635	12	270	213	0	483	31
3	Jordan	109	101	0	210	27	132	22	0	154	14	120	18	0	138	0	112	11	1	124	0
3	Kuwait	125	1,003	0	1,128	100	136	1,148	0	1,284	0	181	83	1,015	1,279	4	181	61	0	242	0
3	Lebanon	126	46	0	172	16	144	44	0	188	6	216	4	0	220	8	218	4	0	222	0
3	Oman	53	82	0	135	1	70	33	0	103	0	70	35	0	105	0	73	18	0	91	25
3	Qatar	103	36	0	139	0	103	36	0	139	0	89	34	0	123	0	80	7	0	87	5
3	Saudi Arabia	209	211	90	510	32	148	141	91	380	41	282	113	1	396	20	228	134	3	365	23
3	Syria	132	2	0	134	22	132	3	0	135	21	125	2	0	127	22	182	5	0	187	22
3	United Arab Emirates	209	171	0	380	25	210	205	0	415	11	198	216	0	414	15	152	103	0	255	2
3	Yemen	50	5	0	55	1	42	0	0	42	2	87	0	0	87	0	90	0	0	90	0
4	Anguilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Antigua and Barbuda	0	48	0	48	0	0	315	0	315	0	0	24	0	24	0	0	24	0	24	0
4	Aruba	86	16	0	102	2	86	11	0	97	2	85	18	0	103	1	88	10	0	98	1
4	Bahamas, The	86	52	0	138	11	89	52	0	141	16	89	73	0	162	11	85	44	0	129	12
4	Barbados	88	39	0	127	0	86	28	0	114	0	88	32	0	120	0	89	6	0	95	0
4	Bermuda	87	4	0	91	0	88	4	0	92	0	88	3	0	91	33	60	2	0	62	0
4	Cayman Islands	118	55	0	173	11	90	48	1	139	23	118	39	1	158	9	106	28	1	135	11
4	Cuba	370	47	0	417	0	342	63	1	406	0	342	11	1	354	0	341	12	1	354	0
4	Dominica	28	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Dominican Republic	516	120	0	636	4	501	128	0	629	18	803	536	0	1,339	19	892	79	0	971	14
4	French Overseas Departments	30	2	0	32	0	0	3	0	3	0	30	3	0	33	0	30	1	0	31	0
4	Grenada	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
4	Guadeloupe	0	2	0	2	0	0	2	0	2	0	0	0	2	2	0	0	0	2	2	0
4	Haiti	176	114	0	290	2	180	15	0	195	5	184	10	0	194	7	186	15	0	201	7
4	Jamaica	381	452	0	833	28	379	81	0	460	67	430	59	0	489	8	380	51	0	431	8
4	Montserrat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Navassa Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Netherlands Antilles	142	585	0	727	19	176	73	1	250	16	176	60	1	237	3	175	45	1	221	3

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4	Puerto Rico	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Saint Kitts and Nevis	0	1	0	1	0	0	1	0	1	0	0	40	0	40	0	0	0	0	0	0
4	Saint Lucia	30	1	0	31	0	30	1	0	31	0	30	0	0	30	0	30	0	0	30	0
4	Saint Vincent and the Grenadines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Trinidad and Tobago	146	48	0	194	0	111	6	0	117	2	114	4	0	118	0	114	3	0	117	0
4	Turks and Caicos Islands	52	33	0	85	1	43	30	0	73	0	43	29	0	72	0	46	4	0	50	0
4	U.S. Virgin Islands	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
4	Virgin Islands, British	0	2	0	2	0	0	2	0	2	0	0	2	0	2	0	0	2	0	2	0
5	Alaska	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Belize	67	20	0	87	0	67	17	0	84	0	55	22	0	77	1	55	7	0	62	0
5	Canada	0	24	1,260	1,284	0	0	4	630	634	0	84	2	1,906	1,992	0	0	17	630	647	0
5	Costa Rica	218	420	0	638	45	208	289	1	498	17	202	210	1	413	19	206	173	1	380	35
5	El Salvador	457	611	0	1,068	22	320	149	0	469	12	300	107	0	407	1	359	49	0	408	1
5	Guatemala	473	129	0	602	10	435	67	0	502	46	368	54	1	423	9	365	49	1	415	7
5	Honduras	268	198	0	466	17	223	50	1	274	32	222	62	1	285	3	241	46	1	288	5
5	Mexico	0	56	0	56	0	10	276	0	286	270	7	465	0	472	1	3	71	0	74	1
5	Nicaragua	143	44	0	187	8	139	52	0	191	38	176	27	0	203	7	197	9	0	206	2
5	Panama	187	549	0	736	56	218	213	1	432	67	216	183	33	432	19	209	230	2	441	18
5	Saint Pierre and Miquelon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	United States (conterminous)	8	0	0	8	0	8	0	0	8	0	44	2	0	46	0	8	0	0	8	0
6	Argentina	263	2,156	0	2,419	372	307	915	0	1,222	172	286	511	0	797	135	264	398	0	662	35
6	Bolivia	153	114	0	267	0	169	118	1	288	7	188	159	1	348	5	128	38	0	166	4
6	Brazil	824	3,159	115	4,098	104	432	705	115	1,252	70	269	583	0	852	85	264	381	0	645	87
6	Chile	696	3,988	0	4,684	461	778	973	1	1,752	129	732	657	4	1,393	56	572	317	1	890	73
6	Colombia	524	1,538	0	2,062	28	238	484	2	724	92	238	449	8	695	32	209	183	8	400	30
6	Ecuador	392	497	0	889	242	447	134	0	581	54	360	95	0	455	9	360	55	0	415	3
6	French Guiana	24	0	0	24	0	24	0	0	24	0	24	0	0	24	0	24	0	0	24	0
6	Guyana	120	601	0	721	14	117	66	0	183	13	117	45	0	162	6	119	25	1	145	21
6	Paraguay	90	50	0	140	4	66	8	0	74	4	105	10	0	115	5	91	6	1	98	1
6	Peru	337	1,020	1	1,358	245	404	394	1	799	37	383	303	1	687	42	343	184	1	528	8
6	Suriname	59	64	0	123	0	31	45	0	76	0	32	43	0	75	0	59	32	1	92	0
6	Uruguay	89	60	0	149	17	89	63	0	152	8	87	57	0	144	9	71	56	0	127	20
6	Venezuela	181	657	0	838	253	149	336	1	486	55	149	284	1	434	92	150	188	1	339	165
7	Afghanistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bangladesh	15	10	0	25	14	15	1	0	16	0	30	1	0	31	0	0	1	0	1	0
7	Bhutan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Brunei	75	3	0	78	0	69	1	0	70	8	55	1	0	56	8	32	0	0	32	8
7	Burma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Cambodia	24	0	0	24	0	20	0	0	20	0	32	0	0	32	0	0	0	0	0	0
7	Chagos Archipelago	30	51	0	81	0	30	51	0	81	0	30	52	0	82	2	15	24	0	39	4
7	China	573	376	20	969	29	633	343	20	996	37	662	248	4	914	27	648	200	4	852	11
7	French Southern and Antarctic Lands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Hong Kong	233	1,982	0	2,215	2	191	17	0	208	6	316	17	0	333	4	336	20	0	356	4
7	India	414	403	23	840	63	421	510	24	955	70	467	300	1	768	59	435	426	1	862	64
7	Indonesia	180	58	0	238	13	169	32	1	202	18	266	77	1	344	14	300	106	1	407	11
7	Japan	61	468	653	1,182	125	73	207	653	933	143	106	297	630	1,033	49	312	229	630	1,171	100
7	Kampuchea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Korea, North	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Korea, South	302	148	10	460	30	307	173	1	481	30	305	183	5	493	49	430	205	5	640	114
7	Laos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Macau	16	2	0	18	0	27	18	0	45	0	26	16	0	42	2	17	2	0	19	0
7	Malaysia	135	656	0	791	16	176	657	0	833	7	144	647	0	791	16	121	20	0	141	4
7	Maldives	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Mongolia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Nepal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Pakistan	305	137	0	442	30	300	68	0	368	6	269	70	0	339	5	299	40	0	339	0

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7	Philippines	3	8	0	11	0	19	0	0	19	0	48	0	0	48	0	130	7	0	137	18
7	Singapore	154	238	1	393	484	153	60	1	214	26	151	61	1	213	34	212	78	1	291	19
7	Sri Lanka	0	6	0	6	129	0	6	0	6	2	0	6	0	6	2	0	6	0	6	2
7	Taiwan	101	6	23	130	0	98	6	23	127	0	128	4	0	132	0	136	12	0	148	0
7	Thailand	136	52	17	205	13	128	47	18	193	24	165	154	1	320	21	233	166	1	400	45
7	Vietnam	154	3	0	157	1	183	5	0	188	0	183	5	0	188	2	302	6	0	308	0
8	American Samoa	58	53	1	112	1	61	20	0	81	0	68	17	0	85	0	72	9	1	82	1
8	Australia	90	5,807	0	5,897	5	90	142	0	232	8	120	151	0	271	30	147	144	0	291	61
8	Baker Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Cook Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Fiji	30	48	0	78	0	22	1	0	23	0	24	1	0	25	0	25	1	0	26	0
8	French Polynesia	45	8	0	53	0	47	0	0	47	0	43	6	0	49	0	33	2	0	35	0
8	Guam	0	50	0	50	0	24	57	0	81	5	34	70	0	104	5	63	31	0	94	27
8	Hawaii	24	0	0	24	0	24	6	0	30	0	48	5	1	54	0	24	5	0	29	2
8	Howland Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Jarvis Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Johnston Atoll	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Kingman Reef	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Kiribati	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Marshall Islands	49	81	0	130	0	34	35	0	69	0	41	31	1	73	0	37	30	1	68	0
8	Micronesia, Federated States of	47	11	0	58	3	47	14	0	61	3	41	13	0	54	0	41	24	0	65	0
8	Midway Atoll	2	2	0	4	0	2	2	0	4	0	2	0	0	2	0	2	0	0	2	0
8	Nauru	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0
8	New Caledonia	4	0	0	4	0	8	0	0	8	0	8	0	0	8	0	4	0	0	4	0
8	New Zealand	106	438	0	544	23	94	18	0	112	22	94	13	0	107	24	96	23	0	119	19
8	Niue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Norfolk Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Northern Mariana Islands	124	15	7	146	37	98	29	3	130	37	118	25	1	144	12	253	79	5	337	17
8	Pacific Islands (Palau)	26	4	0	30	0	29	8	0	37	4	29	8	0	37	0	19	9	0	28	0
8	Palmyra Atoll	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Papua New Guinea	8	0	0	8	0	8	0	0	8	0	10	0	0	10	0	10	0	0	10	0
8	Solomon Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Tonga	28	2	0	30	1	28	2	0	30	1	29	1	0	30	0	29	1	0	30	0
8	Tuvalu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Vanuatu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Wake Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Wallis and Futuna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Western Samoa	15	1	0	16	0	15	1	0	16	0	12	1	0	13	3	12	1	0	13	3
9	Albania	30	39	0	69	0	30	2	0	32	0	30	1	0	31	0	0	1	0	1	0
9	Armenia	134	24	0	158	0	133	2	0	135	0	91	3	0	94	0	112	4	0	116	0
9	Azerbaijan	15	22	0	37	2	32	22	0	54	2	32	154	0	186	4	42	18	0	60	0
9	Belarus	43	22	0	65	0	29	32	0	61	0	29	17	0	46	0	0	1	0	1	0
9	Bosnia and Herzegovina	504	168	0	672	8	519	93	0	612	0	351	29	0	380	0	379	8	0	387	0
9	Bulgaria	88	93	0	181	0	88	74	0	162	0	88	0	43	131	0	90	0	43	133	0
9	Croatia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Czech Republic	0	27	0	27	0	0	43	0	43	0	0	0	43	43	0	0	0	43	43	0
9	Estonia	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0
9	Georgia	58	56	0	114	0	36	5	0	41	5	66	3	0	69	8	30	5	0	35	5
9	Hungary	60	1,684	0	1,744	0	60	74	0	134	0	90	0	43	133	0	90	8	43	141	0
9	Kazakhstan	0	0	0	0	0	0	12	0	12	0	0	18	0	18	0	0	8	0	8	6
9	Kyrgyzstan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Latvia	0	39	0	39	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0
9	Lithuania	30	25	0	55	19	72	12	0	84	2	44	13	0	57	4	46	12	0	58	3
9	Moldova	0	2	0	2	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0
9	Poland	210	47	0	257	7	210	48	0	258	6	210	5	43	258	6	209	7	43	259	4
9	Romania	89	69	0	158	1	90	49	0	139	0	75	2	43	120	0	60	2	44	106	0

TABLE 3 - Satellite Circuit Status 1996 - 1999

Reg Code	Country	1999 Satellite					1998 Satellite					1997 Satellite					1996 Satellite				
		IMTS Total Ckts	P.L. Total Ckts	Other Total Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Sat Active Ckts	Sat Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Sat Active Ckts	Sat Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Sat Active Ckts	Sat Idle Ckts
9	Russia	203	199	40	442	46	232	188	41	461	38	294	238	22	554	87	485	206	3	694	28
9	Serbia	101	35	0	136	0	60	53	0	113	0	60	2	43	105	0	132	5	44	181	1
9	Slovakia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Slovenia	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Tajikistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Turkmenistan	12	4	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Ukraine	30	19	0	49	3	30	1	0	31	3	30	259	0	289	29	30	6	0	36	1
9	Uzbekistan	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0
10	Antarctica	0	26	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - Atlantic	0	303	0	303	0	0	1,513	0	1,513	0	0	1,137	630	1,767	0	0	1,137	0	1,137	0
10	Maritime - other oceans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - Pacific	0	150	0	150	0	0	1,350	0	1,350	0	0	630	720	1,350	0	0	630	0	630	0
Total for all International Points		17,658	45,089	2,353	65,100	3,517	17,439	17,490	1,727	36,656	1,976	18,317	12,775	6,279	37,371	1,313	18,988	8,014	2,270	29,272	1,339
Activated Circuits %					94.87%					94.89%					96.61%					95.63%	
Idle Circuits %					5.13%					5.11%					3.39%					4.37%	
Service Mix		27.1%	69.3%	3.6%	100.0%		47.6%	47.7%	4.7%	100.0%		49.0%	34.2%	16.8%	100.0%		64.9%	27.4%	7.8%	100.0%	
Regional Total																					
1	Western Europe	633	4,383	92	5,108	33	989	1,884	92	2,965	15	1,026	1,300	602	2,928	14	1,503	421	602	2,526	29
2	Africa	2,159	4,091	0	6,250	161	2,292	1,034	2	3,328	41	2,229	369	90	2,688	61	2,036	193	97	2,326	47
3	Middle East	1,775	4,853	90	6,718	242	1,806	2,239	91	4,136	135	2,196	836	1,349	4,381	105	1,992	592	4	2,588	109
4	Caribbean	2,336	1,623	0	3,959	78	2,201	865	3	3,069	149	2,620	943	5	3,568	91	2,622	326	5	2,953	56
5	North and Central America	1,821	2,051	1,260	5,132	158	1,628	1,117	633	3,378	482	1,674	1,134	1,942	4,750	60	1,643	651	635	2,929	69
6	South America	3,752	13,904	116	17,772	1,740	3,251	4,241	121	7,613	641	2,970	3,196	15	6,181	476	2,654	1,863	14	4,531	447
7	Asia	2,911	4,607	747	8,265	949	3,012	2,202	741	5,955	377	3,383	2,139	643	6,165	294	3,958	1,548	643	6,149	404
8	Oceania	664	6,520	8	7,192	70	639	335	3	977	80	729	342	3	1,074	74	875	359	7	1,241	130
9	Eastern Europe	1,607	2,578	40	4,225	86	1,621	710	41	2,372	56	1,490	749	280	2,519	138	1,705	294	263	2,262	48
10	Other Regions	0	479	0	479	0	0	2,863	0	2,863	0	0	1,767	1,350	3,117	0	0	1,767	0	1,767	0
Total for all International Points		17,658	45,089	2,353	65,100	3,517	17,439	17,490	1,727	36,656	1,976	18,317	12,775	6,279	37,371	1,313	18,988	8,014	2,270	29,272	1,339
Regional % of Total																					
1	Western Europe	3.6%	9.7%	3.9%	7.8%	0.9%	5.7%	10.8%	5.3%	8.1%	0.8%	5.6%	10.2%	9.6%	7.8%	1.1%	7.9%	5.3%	26.5%	8.6%	2.2%
2	Africa	12.2%	9.1%	0.0%	9.6%	4.6%	13.1%	5.9%	0.1%	9.1%	2.1%	12.2%	2.9%	1.4%	7.2%	4.6%	10.7%	2.4%	4.3%	7.9%	3.5%
3	Middle East	10.1%	10.8%	3.8%	10.3%	6.9%	10.4%	12.8%	5.3%	11.3%	6.8%	12.0%	6.5%	21.5%	11.7%	8.0%	10.5%	7.4%	0.2%	8.8%	8.1%
4	Caribbean	13.2%	3.6%	0.0%	6.1%	2.2%	12.6%	4.9%	0.2%	8.4%	7.5%	14.3%	7.4%	0.1%	9.5%	6.9%	13.8%	4.1%	0.2%	10.1%	4.2%
5	North and Central America	10.3%	4.5%	53.5%	7.9%	4.5%	9.3%	6.4%	36.7%	9.2%	24.4%	9.1%	8.9%	30.9%	12.7%	4.6%	8.7%	8.1%	28.0%	10.0%	5.2%
6	South America	21.2%	30.8%	4.9%	27.3%	49.5%	18.6%	24.2%	7.0%	20.8%	32.4%	16.2%	25.0%	0.2%	16.5%	36.3%	14.0%	23.2%	0.6%	15.5%	33.4%
7	Asia	16.5%	10.2%	31.7%	12.7%	27.0%	17.3%	12.6%	42.9%	16.2%	19.1%	18.5%	16.7%	10.2%	16.5%	22.4%	20.8%	19.3%	28.3%	21.0%	30.2%
8	Oceania	3.8%	14.5%	0.3%	11.0%	2.0%	3.7%	1.9%	0.2%	2.7%	4.0%	4.0%	2.7%	0.0%	2.9%	5.6%	4.6%	4.5%	0.3%	4.2%	9.7%
9	Eastern Europe	9.1%	5.7%	1.7%	6.5%	2.4%	9.3%	4.1%	2.4%	6.5%	2.8%	8.1%	5.9%	4.5%	6.7%	10.5%	9.0%	3.7%	11.6%	7.7%	3.6%
10	Other Regions	0.0%	1.1%	0.0%	0.7%	0.0%	0.0%	16.4%	0.0%	7.8%	0.0%	0.0%	13.8%	21.5%	8.3%	0.0%	0.0%	22.0%	0.0%	6.0%	0.0%
Total for all International Points		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

TABLE 3 - Satellite Circuit Status 1996 - 1999

Reg Code	Country	1999 Satellite					1998 Satellite					1997 Satellite					1996 Satellite				
		IMTS Total Ckts	P.L. Total Ckts	Other Total Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Sat Active Ckts	Sat Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Sat Active Ckts	Sat Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Sat Active Ckts	Sat Idle Ckts
	Service Mix By Region																				
1	Western Europe	12.4%	85.8%	1.8%	100.0%		33.4%	63.5%	3.1%	100.0%		35.0%	44.4%	20.6%	100.0%		59.5%	16.7%	23.8%	100.0%	
2	Africa	34.5%	65.5%	0.0%	100.0%		68.9%	31.1%	0.1%	100.0%		82.9%	13.7%	3.3%	100.0%		87.5%	8.3%	4.2%	100.0%	
3	Middle East	26.4%	72.2%	1.3%	100.0%		43.7%	54.1%	2.2%	100.0%		50.1%	19.1%	30.8%	100.0%		77.0%	22.9%	0.2%	100.0%	
4	Caribbean	59.0%	41.0%	0.0%	100.0%		71.7%	28.2%	0.1%	100.0%		73.4%	26.4%	0.1%	100.0%		88.8%	11.0%	0.2%	100.0%	
5	North and Central America	35.5%	40.0%	24.6%	100.0%		48.2%	33.1%	18.7%	100.0%		35.2%	23.9%	40.9%	100.0%		56.1%	22.2%	21.7%	100.0%	
6	South America	21.1%	78.2%	0.7%	100.0%		42.7%	55.7%	1.6%	100.0%		48.1%	51.7%	0.2%	100.0%		58.6%	41.1%	0.3%	100.0%	
7	Asia	35.2%	55.7%	9.0%	100.0%		50.6%	37.0%	12.4%	100.0%		54.9%	34.7%	10.4%	100.0%		64.4%	25.2%	10.5%	100.0%	
8	Oceania	9.2%	90.7%	0.1%	100.0%		65.4%	34.3%	0.3%	100.0%		67.9%	31.8%	0.3%	100.0%		70.5%	28.9%	0.6%	100.0%	
9	Eastern Europe	38.0%	61.0%	0.9%	100.0%		68.3%	29.9%	1.7%	100.0%		59.2%	29.7%	11.1%	100.0%		75.4%	13.0%	11.6%	100.0%	
10	Other Regions	0.0%	100.0%	0.0%	100.0%		0.0%	100.0%	0.0%	100.0%		0.0%	56.7%	43.3%	100.0%		0.0%	100.0%	0.0%	100.0%	
	Total for all International Points	27.1%	69.3%	3.6%	100.0%		47.6%	47.7%	4.7%	100.0%		49.0%	34.2%	16.8%	100.0%		64.9%	27.4%	7.8%	100.0%	
	Transmission Mix (% of total)				<u>7.2%</u>					<u>7.9%</u>					<u>10.8%</u>					<u>11.4%</u>	
	Regional Annual Growth by Service																				
1	Western Europe	-36%	133%	0%	72%		-4%	45%	-85%	1%	7%	-32%	209%	0%	16%	-52%	-42%	44%	-5%	-28%	-84%
2	Africa	-6%	296%	-100%	88%		3%	180%	-98%	24%	-33%	9%	91%	-7%	16%	30%	12%	21%	708%	17%	68%
3	Middle East	-2%	117%	-1%	62%		-18%	168%	-93%	-6%	29%	10%	41%	33625%	69%	-4%	0%	37%	-20%	7%	-33%
4	Caribbean	6%	88%	-100%	29%		-16%	-8%	-40%	-14%	64%	-0%	189%	0%	21%	63%	3%	45%	-17%	7%	180%
5	North and Central America	12%	84%	99%	52%		-3%	-1%	-67%	-29%	703%	2%	74%	206%	62%	-13%	19%	79%	-50%	-3%	0%
6	South America	15%	228%	-4%	133%		9%	33%	707%	23%	35%	12%	72%	7%	36%	6%	2%	32%	-42%	12%	-26%
7	Asia	-3%	109%	1%	39%		-11%	3%	15%	-3%	28%	-15%	38%	0%	0%	-27%	1%	47%	-1%	9%	-15%
8	Oceania	4%	1846%	167%	636%		-12%	-2%	0%	-9%	8%	-17%	-5%	-57%	-13%	43%	3%	104%	250%	21%	-29%
9	Eastern Europe	-1%	263%	-2%	78%		9%	-5%	-85%	-6%	-59%	-13%	155%	6%	11%	188%	30%	34%	8667%	47%	-81%
10	Other Regions	0%	-83%	0%	-83%		0%	62%	-100%	-8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-100%
	Total for all International Points	1%	158%	36%	78%		-5%	37%	-72%	-2%	50%	-4%	59%	177%	28%	-2%	0%	85%	-13%	13%	-49%

TABLE 4 - Terrestrial Circuit Status 1995-1999

Reg Code	Country	1999 Terrestrial					1998 Terrestrial					1997 Terrestrial					1996 Terrestrial				
		IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts	IMTS Total Ckts	P.L. * Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts
1	Andorra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Austria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Belgium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Cyprus	8	0	0	8	0	8	0	0	8	0	0	0	0	0	0	0	0	0	0	0
1	Denmark	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Finland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	France	10	0	0	10	20	10	0	0	10	20	10	0	0	10	0	0	0	0	0	0
1	Germany	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Gibraltar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Greece	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Greenland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Iceland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Ireland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Italy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Liechtenstein	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Luxembourg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Malta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Netherlands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Norway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Portugal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Spain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Sweden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Switzerland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Turkey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	United Kingdom	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Algeria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Angola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Benin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Botswana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Burkina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Burundi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Cameroon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Canary Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Cape Verde	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Central African Republic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Chad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Comoros	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Congo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Cote d'Ivoire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Djibouti	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Egypt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Equatorial Guinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ethiopia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Gabon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Gambia, The	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ghana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Guinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Guinea-Bissau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Kenya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Lesotho	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Liberia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Libya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Madagascar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Malawi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Mali	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Mauritania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 4 - Terrestrial Circuit Status 1995-1999

Reg Code	Country	1999 Terrestrial					1998 Terrestrial					1997 Terrestrial					1996 Terrestrial				
		IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts	IMTS Total Ckts	P.L. * Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts
2	Mauritius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Morocco	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Mozambique	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Namibia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Niger	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Nigeria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Reunion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Rwanda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Saint Helena	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Sao Tome and Principe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Senegal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Seychelles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Sierra Leone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Somalia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	South Africa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Swaziland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Tanzania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Togo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Tunisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Uganda	15	0	0	15	0	15	0	15	0	0	0	0	0	0	0	0	0	0	0	0
2	Western Sahara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Zaire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Zambia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Zimbabwe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Bahrain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Iran	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Iraq	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Israel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Jordan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Kuwait	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Lebanon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Oman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Qatar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Saudi Arabia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Syria	8	0	0	8	0	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0
3	United Arab Emirates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Yemen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Anguilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Antigua and Barbuda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Aruba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Bahamas, The	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Barbados	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cayman Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cuba	30	0	0	30	0	30	0	30	0	30	0	30	0	30	0	0	0	0	0	0
4	Dominica	18	0	0	18	0	18	0	18	0	18	0	18	0	18	0	0	0	0	0	0
4	Dominican Republic	0	0	0	0	0	0	0	0	0	48	0	1	0	1	3	198	552	0	750	20
4	French Overseas Departments	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Grenada	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Guadeloupe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Haiti	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Jamaica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Montserrat	8	0	0	8	22	8	0	8	22	8	0	8	22	8	0	0	0	0	0	0
4	Navassa Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Netherlands Antilles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 4 - Terrestrial Circuit Status 1995-1999

Reg Code	Country	1999 Terrestrial					1998 Terrestrial					1997 Terrestrial					1996 Terrestrial				
		IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts	IMTS Total Ckts	P.L. * Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts
4	Puerto Rico	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Saint Kitts and Nevis	23	0	0	23	0	23	0	0	23	0	23	0	0	23	0	0	0	0	0	0
4	Saint Lucia	15	0	0	15	0	15	0	0	15	0	15	0	0	15	0	0	0	0	0	0
4	Saint Vincent and the Grenadines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Trinidad and Tobago	19	2	0	21	26	19	2	0	21	26	19	3	0	22	26	0	0	0	0	0
4	Turks and Caicos Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	U.S. Virgin Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Virgin Islands, British	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Alaska	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Belize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Canada	76,815	111,736	9,282	197,833	152,719	54,713	53,302	0	108,015	121,603	50,343	40,447	2,625	93,415	32,178	41,793	29,698	3,161	74,652	917
5	Costa Rica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	El Salvador	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Guatemala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Honduras	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
5	Mexico	84,463	42,012	0	126,475	10,590	39,862	28,910	0	68,772	5,680	36,665	23,060	0	59,725	1,148	27,755	13,250	0	41,005	1,329
5	Nicaragua	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Panama	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Saint Pierre and Miquelon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	United States (conterminous)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Argentina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Bolivia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Brazil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Chile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	4	0	30	0
6	Colombia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Ecuador	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	French Guiana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Guyana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Paraguay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Peru	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Suriname	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Uruguay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Venezuela	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Afghanistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bangladesh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bhutan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Brunei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Burma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Cambodia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Chagos Archipelago	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	China	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	French Southern and Antarctic Lands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Hong Kong	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	India	30	0	0	30	0	30	0	0	30	0	0	0	0	0	0	0	0	0	0	0
7	Indonesia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Japan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Kampuchea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Korea, North	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Korea, South	0	8	0	8	0	0	8	0	8	0	0	0	0	0	0	0	0	0	0	0
7	Laos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Macau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Malaysia	8	0	0	8	0	8	0	0	8	0	0	0	0	0	0	0	0	0	0	0
7	Maldives	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Mongolia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Nepal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Pakistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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7	Philippines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Singapore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Sri Lanka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Taiwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Thailand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Vietnam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	American Samoa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Australia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Baker Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Cook Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Fiji	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	French Polynesia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Guam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Hawaii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Howland Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Jarvis Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Johnston Atoll	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Kingman Reef	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Kiribati	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Marshall Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Micronesia, Federated States of	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Midway Atoll	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Nauru	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	New Caledonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	New Zealand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Niue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Norfolk Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Northern Mariana Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	10	0	39	12	0
8	Pacific Islands (Palau)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Palmyra Atoll	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Papua New Guinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Solomon Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Tonga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Tuvalu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Vanuatu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Wake Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Wallis and Futuna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Western Samoa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Albania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Armenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Azerbaijan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Belarus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Bosnia and Herzegovina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Bulgaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Croatia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Czech Republic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Estonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Georgia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Hungary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Kazakhstan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Kyrgyzstan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Latvia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Lithuania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Moldova	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Poland	30	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Romania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 4 - Terrestrial Circuit Status 1995-1999

Reg Code	Country	1999 Terrestrial					1998 Terrestrial					1997 Terrestrial					1996 Terrestrial				
		IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts	IMTS Total Ckts	P.L. * Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts
9	Russia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Serbia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Slovakia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Slovenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Tajikistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Turkmenistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Ukraine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Uzbekistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Antarctica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - Atlantic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - other oceans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - Pacific	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total for all International Points		161,500	153,759	9,282	324,541	163,377	94,767	82,223	0	176,990	127,399	87,131	63,511	2,625	153,267	33,377	69,801	43,514	3,161	116,476	2,278
Activate Circuits %					66.5%					58.1%					82.1%					98.1%	
Idle Circuits %						33.5%					41.9%					17.9%					1.9%
Service Mix		49.8%	47.4%	2.9%	100.0%		53.5%	46.5%	0.0%	100.0%		56.8%	41.4%	1.7%	100.0%		59.9%	37.4%	2.7%	100.0%	
Regional Total																					
1	Western Europe	18	0	0	18	20	18	0	0	18	20	10	0	0	10	0	0	0	0	0	0
2	Africa	15	0	0	15	0	15	0	0	15	0	0	0	0	0	0	0	0	0	0	0
3	Middle East	8	0	0	8	0	8	0	0	8	0	0	0	0	0	0	0	0	0	0	0
4	Caribbean	113	2	0	115	48	113	2	0	115	96	113	4	0	117	51	198	552	0	750	20
5	North and Central America	161,278	153,749	9,282	324,309	163,309	94,575	82,213	0	176,788	127,283	87,008	63,507	2,625	153,140	33,326	69,548	42,948	3,161	115,657	2,246
6	South America	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	4	0	30	0
7	Asia	38	8	0	46	0	38	8	0	46	0	0	0	0	0	0	0	0	0	0	0
8	Oceania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	10	0	39	12
9	Eastern Europe	30	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Other Regions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total for all International Points		161,500	153,759	9,282	324,541	163,377	94,767	82,223	0	176,990	127,399	87,131	63,511	2,625	153,267	33,377	69,801	43,514	3,161	116,476	2,278
Regional % of Total																					
1	Western Europe	0.01%	0.00%	0.00%	0.01%	0.01%	0.02%	0.00%	0.00%	0.01%	0.02%	0.01%	0.00%	0%	0.01%	0.0%	0.00%	0.00%	0%	0.00%	0.0%
2	Africa	0.01%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0%	0.00%	0.0%	0.00%	0.00%	0%	0.00%	0.0%
3	Middle East	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	0.00%	0.0%	0.00%	0.00%	0%	0.00%	0.0%
4	Caribbean	0.07%	0.00%	0.00%	0.04%	0.03%	0.12%	0.00%	0.00%	0.06%	0.08%	0.13%	0.01%	0%	0.08%	0.2%	0.28%	1.27%	0%	0.64%	0.9%
5	North and Central America	99.86%	99.99%	100.00%	99.93%	99.96%	99.80%	99.99%	0.00%	99.89%	99.91%	99.86%	99.99%	100%	99.92%	99.8%	99.64%	98.70%	100%	99.30%	98.6%
6	South America	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	0.00%	0.0%	0.04%	0.01%	0%	0.03%	0.0%
7	Asia	0.02%	0.01%	0.00%	0.01%	0.00%	0.04%	0.01%	0.00%	0.03%	0.00%	0.00%	0.00%	0%	0.00%	0.0%	0.00%	0.00%	0%	0.00%	0.0%
8	Oceania	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	0.00%	0.0%	0.04%	0.02%	0%	0.03%	0.5%
9	Eastern Europe	0.02%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	0.00%	0.0%	0.00%	0.00%	0%	0.00%	0.0%
10	Other Regions	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	0.00%	0.0%	0.00%	0.00%	0%	0.00%	0.0%
Total for all International Points		100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

TABLE 4 - Terrestrial Circuit Status 1995-1999

Reg Code	Country	1999 Terrestrial					1998 Terrestrial					1997 Terrestrial					1996 Terrestrial				
		IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts	IMTS Total Ckts	P.L. * Total Ckts	Other Serv. Ckts	Terr Active Ckts	Terr Idle Ckts
	Service Mix By Region																				
1	Western Europe	100.0%	0.0%	0.0%	100.0%		100.0%	0.0%	0.0%	100.0%		100.0%	0.0%	0.0%	100.0%		0.0%	0.0%	0.0%	0.0%	
2	Africa	100.0%	0.0%	0.0%	100.0%		100.0%	0.0%	0.0%	100.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%	
3	Middle East	100.0%	0.0%	0.0%	100.0%		100.0%	0.0%	0.0%	100.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%	
4	Caribbean	98.3%	1.7%	0.0%	100.0%		98.3%	1.7%	0.0%	100.0%		96.6%	3.4%	0.0%	100.0%		26.4%	73.6%	0.0%	100.0%	
5	North and Central America	49.7%	47.4%	2.9%	100.0%		53.5%	46.5%	0.0%	100.0%		56.8%	41.5%	1.7%	100.0%		60.1%	37.1%	2.7%	100.0%	
6	South America	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		86.7%	13.3%	0.0%	100.0%	
7	Asia	82.6%	17.4%	0.0%	100.0%		82.6%	17.4%	0.0%	100.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%	
8	Oceania	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		74.4%	25.6%	0.0%	100.0%	
9	Eastern Europe	100.0%	0.0%	0.0%	100.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%	
10	Other Regions	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%	
	Total for all International Points	49.8%	47.4%	2.9%	100.0%		53.5%	46.5%	0.0%	100.0%		56.8%	41.4%	1.7%	100.0%		59.9%	37.4%	2.7%	100.0%	
	Transmission Mix (% of total)				<u>35.8%</u>					<u>38.1%</u>					<u>44.2%</u>					<u>45.5%</u>	
	Regional Annual Growth by Service																				
1	Western Europe	0%	0%	0%	0%	0%	80%	0%	0%	80%	0%	0%	0%	0%	0%	-100%	0%	0%	-100%	0%	
2	Africa	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
3	Middle East	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
4	Caribbean	0%	0%	0%	0%	-50%	0%	-50%	0%	-2%	88%	-43%	-99%	0%	-84%	155%	-9%	15%	0%	8%	1900%
5	North and Central America	71%	87%	0%	83%	28%	9%	29%	-100%	15%	282%	25%	48%	-17%	32%	1384%	3%	501%	144%	52%	-18%
6	South America	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-100%	-100%	0%	-100%	0%	0%	0%	0%	0%	0%
7	Asia	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
8	Oceania	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-100%	-100%	0%	-100%	-100%	-45%	11%	0%	-37%	-43%
9	Eastern Europe	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	Other Regions	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Total for all International Points	70%	87%	0%	83%	28%	9%	29%	-100%	15%	282%	25%	46%	-17%	32%	1365%	3%	470%	144%	52%	-17%

TABLE 5 - Combined Circuit Status 1995-1998

Reg Code	Country	1999 Combined					1998 Combined					1997 Combined					1996 Combined				
		IMTS Total Ckts	P.L. Total Ckts	Other Total Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Active Total Ckts	Idle Total Ckts
1	Andorra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Austria	314	105	0	419	465	315	126	1	442	319	283	138	2	423	297	284	67	1	352	300
1	Belgium	1,737	473	0	2,210	868	1,206	929	1	2,136	226	1,350	809	44	2,203	721	898	587	44	1,529	970
1	Cyprus	89	137	0	226	66	61	26	0	87	33	98	86	0	184	40	98	19	0	117	32
1	Denmark	1,267	234	2,520	4,021	542	586	203	1	790	566	547	94	44	685	243	511	73	44	628	224
1	Finland	415	166	0	581	339	276	202	1	479	210	326	133	1	460	182	357	76	1	434	238
1	France	5,346	8,390	2,010	15,746	4,474	4,389	2,626	31	7,046	5,138	3,142	3,314	199	6,655	5,531	2,810	2,830	56	5,696	4,106
1	Germany	9,261	21,484	541	31,286	13,521	5,595	7,364	33	12,992	11,377	5,120	8,028	108	13,256	8,553	3,835	4,636	53	8,524	7,070
1	Gibraltar	30	0	0	30	0	30	0	0	30	0	30	0	0	30	0	30	0	0	30	0
1	Greece	373	418	0	791	105	285	52	0	337	37	404	126	43	573	43	330	106	43	479	153
1	Greenland	0	750	0	750	0	0	559	0	559	0	0	424	0	424	0	0	0	0	0	0
1	Iceland	191	164	0	355	11	73	110	0	183	0	127	182	0	309	6	123	19	0	142	18
1	Ireland	1,319	786	0	2,105	1,808	1,229	893	24	2,146	1,024	1,437	620	67	2,124	853	1,289	462	43	1,794	937
1	Italy	2,650	709	92	3,451	1,765	2,234	859	93	3,186	314	1,700	813	44	2,557	1,356	1,772	756	44	2,572	1,231
1	Liechtenstein	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Luxembourg	179	43	0	222	198	135	42	1	178	107	136	39	1	176	98	134	8	1	143	103
1	Malta	35	8	0	43	0	35	8	0	43	0	27	0	0	27	0	42	0	0	42	0
1	Netherlands	1,831	20,687	30	22,548	17,721	2,087	6,129	9	8,225	15,115	1,179	2,028	66	3,273	3,006	1,073	1,903	52	3,028	1,691
1	Norway	549	139	0	688	355	472	103	1	576	98	513	86	44	643	358	484	74	44	602	73
1	Portugal	488	878	0	1,366	251	458	1,550	1	2,009	68	459	416	44	919	37	411	90	44	545	104
1	Spain	1,493	1,057	2	2,552	1,878	1,990	1,152	2	3,144	1,894	1,722	1,041	46	2,809	1,705	1,209	201	45	1,455	2,051
1	Sweden	3,198	6,568	0	9,766	1,806	2,673	9,460	127	12,260	2,054	1,036	3,468	170	4,674	1,805	826	1,375	44	2,245	1,123
1	Switzerland	1,991	6,570	0	8,561	2,133	2,251	1,573	1	3,825	2,291	1,237	1,111	1	2,349	1,923	952	716	1	1,669	1,520
1	Turkey	321	444	0	765	321	209	123	0	332	307	287	149	43	479	291	233	151	43	427	318
1	United Kingdom	54,780	205,954	15,601	276,335	57,258	25,444	75,828	2,978	104,250	110,025	18,197	23,208	334	41,739	22,514	13,149	18,993	333	32,475	11,060
2	Algeria	39	26	0	65	17	15	43	0	58	0	39	4	43	86	0	15	0	43	58	0
2	Angola	8	56	0	64	6	8	23	0	31	2	13	31	0	44	6	8	10	0	18	2
2	Benin	34	3	0	37	0	31	3	0	34	0	26	3	0	29	0	19	1	0	20	0
2	Botswana	22	10	0	32	0	22	10	0	32	0	20	8	0	28	4	16	4	0	20	4
2	Burkina	14	0	0	14	0	14	0	0	14	0	20	0	0	20	0	14	0	0	14	0
2	Burundi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Cameroon	60	582	0	642	4	55	5	0	60	0	60	11	0	71	0	46	5	0	51	13
2	Canary Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Cape Verde	24	2	0	26	0	24	2	0	26	0	24	0	0	24	0	24	0	0	24	0
2	Central African Republic	4	2	0	6	0	4	0	0	4	0	8	1	0	9	0	8	1	0	9	0
2	Chad	6	0	0	6	0	6	2	0	8	0	6	3	0	9	0	6	1	0	7	2
2	Comoros	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Congo	45	15	0	60	0	58	5	0	63	0	46	6	0	52	0	23	6	0	29	0
2	Cote d'Ivoire	55	58	0	113	0	45	12	1	58	0	55	10	1	66	0	50	6	1	57	0
2	Djibouti	15	0	0	15	15	15	0	0	15	15	15	0	0	15	15	15	0	0	15	15
2	Egypt	270	2,365	0	2,635	68	278	267	1	546	38	215	123	3	341	47	203	56	3	262	60
2	Equatorial Guinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ethiopia	125	32	0	157	2	110	8	0	118	2	110	4	0	114	6	155	4	1	160	6
2	Gabon	45	13	0	58	0	41	4	0	45	0	45	4	0	49	0	31	3	0	34	1
2	Gambia, The	31	0	0	31	0	61	0	0	61	0	24	0	0	24	0	76	0	0	76	0
2	Ghana	178	52	0	230	30	135	11	0	146	1	75	3	0	78	0	89	4	0	93	0
2	Guinea	24	34	0	58	0	89	4	0	93	0	90	4	0	94	0	35	2	0	37	0
2	Guinea-Bissau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Kenya	75	59	0	134	0	75	12	0	87	1	75	9	0	84	1	75	6	1	82	0
2	Lesotho	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0	21	0	0	21	0
2	Liberia	57	9	0	66	0	57	3	0	60	0	83	0	0	83	0	60	0	0	60	0
2	Libya	4	0	0	4	0	4	0	0	4	0	4	0	0	4	0	4	0	0	4	0
2	Madagascar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Malawi	46	8	0	54	0	46	8	0	54	0	46	3	0	49	0	43	1	0	44	0
2	Mali	46	0	0	46	0	46	0	0	46	0	46	0	0	46	0	34	0	0	34	0
2	Mauritania	30	0	0	30	0	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0

TABLE 5 - Combined Circuit Status 1995-1998

Reg Code	Country	1999 Combined					1998 Combined					1997 Combined					1996 Combined				
		IMTS Total Ckts	P.L. Total Ckts	Other Total Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Active Total Ckts	Idle Total Ckts
2	Mauritius	18	17	0	35	12	18	28	0	46	0	11	13	0	24	15	8	6	0	14	2
2	Morocco	112	19	0	131	32	115	9	0	124	0	113	7	0	120	0	89	7	0	96	0
2	Mozambique	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0
2	Namibia	8	12	0	20	0	8	2	0	10	0	8	4	0	12	0	8	0	0	8	0
2	Niger	10	0	0	10	0	10	0	0	10	0	10	0	0	10	0	10	0	1	11	0
2	Nigeria	364	499	0	863	0	294	34	0	328	0	232	3	0	235	0	208	6	1	215	0
2	Reunion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Rwanda	30	2	0	32	0	28	2	0	30	0	30	3	0	33	0	30	1	0	31	0
2	Saint Helena	0	26	0	26	0	0	319	0	319	0	0	3	0	3	0	0	3	0	3	0
2	Sao Tome and Principe	52	0	0	52	0	52	0	0	52	0	0	0	0	0	0	0	0	0	0	0
2	Senegal	31	14	0	45	0	27	1	0	28	0	59	1	0	60	0	79	1	1	81	0
2	Seychelles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Sierra Leone	27	4	0	31	0	27	4	0	31	0	27	4	0	31	0	27	4	0	31	0
2	Somalia	16	10	0	26	3	15	0	0	15	0	15	4	0	19	0	16	2	0	18	0
2	South Africa	432	481	0	913	756	432	659	0	1,091	260	423	422	0	845	196	382	252	1	635	213
2	Sudan	46	0	0	46	0	46	0	0	46	0	46	1	0	47	0	46	1	0	47	0
2	Swaziland	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0
2	Tanzania	31	7	0	38	0	31	1	0	32	0	31	4	0	35	0	45	3	0	48	0
2	Togo	16	23	0	39	0	16	4	0	20	0	23	0	0	23	0	8	0	0	8	0
2	Tunisia	61	38	0	99	0	91	44	0	135	0	90	17	43	150	0	90	9	43	142	7
2	Uganda	72	4	0	76	1	72	3	0	75	0	81	3	0	84	1	81	3	0	84	1
2	Western Sahara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Zaire	15	2	0	17	0	105	7	0	112	0	135	7	0	142	0	98	4	0	102	0
2	Zambia	60	4	0	64	0	60	2	0	62	0	50	2	0	52	0	50	2	0	52	0
2	Zimbabwe	74	31	0	105	1	74	19	0	93	1	74	18	0	92	1	70	5	1	76	1
3	Bahrain	108	538	0	646	20	83	411	0	494	41	79	72	333	484	24	75	46	0	121	8
3	Iran	265	4	0	269	0	235	5	0	240	0	265	3	0	268	0	266	2	0	268	0
3	Iraq	72	3	0	75	0	102	2	0	104	0	102	3	0	105	0	84	0	0	84	0
3	Israel	1,141	5,093	180	6,414	582	1,018	1,243	120	2,381	498	1,082	843	1	1,926	266	860	485	1	1,346	293
3	Jordan	109	101	0	210	27	132	22	0	154	14	120	18	0	138	0	112	11	1	124	0
3	Kuwait	125	1,004	0	1,129	100	136	1,148	0	1,284	0	181	83	1,015	1,279	4	241	92	0	333	0
3	Lebanon	126	46	0	172	16	144	44	0	188	6	216	4	0	220	8	218	5	0	223	2
3	Oman	53	82	0	135	1	70	33	0	103	0	70	35	0	105	0	73	18	0	91	25
3	Qatar	103	36	0	139	0	103	36	0	139	0	89	34	0	123	0	80	7	0	87	5
3	Saudi Arabia	328	286	90	704	211	297	141	91	529	221	461	113	1	575	110	378	134	3	515	173
3	Syria	225	5	0	230	22	196	5	0	201	21	211	8	0	219	22	212	5	0	217	22
3	United Arab Emirates	265	1,621	0	1,886	129	265	210	0	475	41	198	216	0	414	45	152	103	0	255	32
3	Yemen	50	5	0	55	1	42	0	0	42	2	87	0	0	87	0	90	0	0	90	0
4	Anguilla	36	0	0	36	0	6	0	0	6	0	4	0	0	4	0	4	0	0	4	0
4	Antigua and Barbuda	249	87	0	336	6	224	320	0	544	24	214	60	0	274	6	162	60	0	222	55
4	Aruba	233	27	0	260	35	144	11	0	155	64	115	18	0	133	1	110	10	0	120	69
4	Bahamas, The	799	174	0	973	15	1,172	143	1	1,316	101	947	90	0	1,037	128	545	48	0	593	43
4	Barbados	263	117	0	380	235	253	96	0	349	120	268	87	0	355	70	238	52	0	290	28
4	Bermuda	535	565	0	1,100	374	617	200	1	818	219	639	212	1	852	285	413	170	1	584	108
4	Cayman Islands	147	75	0	222	40	90	54	1	145	113	118	39	1	158	9	106	36	1	143	11
4	Cuba	541	49	0	590	0	513	65	1	579	0	513	11	1	525	0	482	14	1	497	0
4	Dominica	140	0	0	140	0	92	0	0	92	0	200	0	0	200	0	17	0	0	17	0
4	Dominican Republic	2,297	556	0	2,853	633	2,310	447	0	2,757	1,011	2,156	695	0	2,851	833	1,661	774	0	2,435	196
4	French Overseas Departments	55	2	0	57	5	30	3	0	33	0	55	8	0	63	0	55	2	0	57	4
4	Grenada	88	20	0	108	0	88	12	0	100	0	90	6	0	96	0	65	3	0	68	60
4	Guadeloupe	30	2	0	32	0	33	2	0	35	0	63	0	2	65	0	60	1	2	63	0
4	Haiti	236	116	0	352	122	240	16	0	256	125	244	10	0	254	127	246	15	0	261	127
4	Jamaica	668	588	0	1,256	144	771	133	1	905	100	639	77	1	717	177	620	73	1	694	38
4	Montserrat	50	0	0	50	22	50	0	0	50	22	70	0	0	70	22	33	0	0	33	20
4	Navassa Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Netherlands Antilles	349	588	0	937	320	386	74	1	461	76	386	61	1	448	243	303	45	1	349	299

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4	Puerto Rico	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Saint Kitts and Nevis	147	1	0	148	0	93	1	0	94	0	113	40	0	153	0	50	0	0	50	0
4	Saint Lucia	173	5	0	178	4	143	9	0	152	32	165	8	0	173	2	128	0	0	128	1
4	Saint Vincent and the Grenadines	65	0	0	65	0	7	0	0	7	0	30	0	0	30	0	24	0	0	24	0
4	Trinidad and Tobago	729	157	0	886	305	664	85	0	749	340	697	32	0	729	334	499	27	0	526	462
4	Turks and Caicos Islands	52	33	0	85	1	43	30	0	73	0	43	29	0	72	0	46	4	0	50	0
4	U.S. Virgin Islands	768	88	0	856	32	1,410	343	0	1,753	785	1,380	198	0	1,578	911	1,380	133	0	1,513	689
4	Virgin Islands, British	178	46	0	224	2,002	180	59	0	239	2,593	300	30	0	330	82	254	34	0	288	69
5	Alaska	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Belize	67	20	0	87	0	67	17	0	84	0	66	22	0	88	1	55	7	0	62	0
5	Canada	77,827	112,021	10,542	200,390	152,901	54,909	53,330	630	108,869	121,633	50,501	40,449	4,531	95,481	32,374	41,869	29,715	3,791	75,375	1,011
5	Costa Rica	233	581	0	814	247	253	348	1	602	92	247	231	1	479	19	206	173	1	380	35
5	El Salvador	637	704	0	1,341	35	474	180	0	654	398	390	131	0	521	521	359	49	0	408	511
5	Guatemala	503	233	0	736	81	465	182	0	647	48	368	88	1	457	44	365	49	1	415	37
5	Honduras	418	246	0	664	31	404	66	1	471	454	282	92	1	375	484	241	76	1	318	545
5	Mexico	84,536	42,083	0	126,619	10,593	40,350	29,186	0	69,536	5,982	37,030	23,525	0	60,555	1,181	27,812	13,321	0	41,133	1,426
5	Nicaragua	172	110	0	282	30	168	54	0	222	128	176	27	0	203	97	197	9	0	206	2
5	Panama	216	601	0	817	117	218	213	1	432	67	216	183	33	432	19	209	230	2	441	48
5	Saint Pierre and Miquelon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	United States (conterminous)	140	245	104	489	431	117	252	78	447	207	158	155	36	349	168	90	30	18	138	220
6	Argentina	779	3,150	30	3,959	1,128	772	1,665	1	2,438	813	773	1,012	1	1,786	626	698	519	1	1,218	622
6	Bolivia	153	135	0	288	98	169	118	1	288	7	188	159	1	348	5	128	38	0	166	4
6	Brazil	1,939	7,556	221	9,716	1,505	2,030	3,521	124	5,675	1,221	1,595	2,485	1	4,081	1,026	1,530	1,233	1	2,764	835
6	Chile	1,081	4,585	38	5,704	1,308	930	1,128	1	2,059	859	762	700	4	1,466	226	628	321	1	950	733
6	Colombia	1,391	2,273	24	3,688	1,313	1,168	924	3	2,095	520	1,137	739	9	1,885	376	1,178	379	9	1,566	454
6	Ecuador	392	520	0	912	242	447	134	0	581	54	360	95	0	455	9	360	55	0	415	4
6	French Guiana	24	0	0	24	0	24	0	0	24	0	24	0	0	24	0	24	0	0	24	0
6	Guyana	120	601	0	721	134	117	66	0	183	133	117	45	0	162	126	119	25	1	145	141
6	Paraguay	150	50	0	200	34	96	8	0	104	4	135	10	0	145	5	91	6	1	98	1
6	Peru	540	1,130	1	1,671	303	404	394	1	799	397	383	303	1	687	72	343	184	1	528	38
6	Suriname	59	64	0	123	0	31	45	0	76	0	32	43	0	75	0	59	32	1	92	0
6	Uruguay	179	178	0	357	107	150	134	0	284	128	116	123	0	239	130	71	56	0	127	170
6	Venezuela	1,913	2,412	0	4,325	1,700	1,850	1,412	2	3,264	1,626	1,611	1,080	2	2,693	1,567	1,397	652	2	2,051	1,703
7	Afghanistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bangladesh	142	14	0	156	75	128	1	0	129	61	139	1	0	140	31	125	1	0	126	30
7	Bhutan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Brunei	97	3	0	100	0	91	1	0	92	8	77	1	0	78	8	32	0	0	32	19
7	Burma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Cambodia	24	0	0	24	0	20	0	0	20	0	32	0	0	32	0	8	0	0	8	22
7	Chagos Archipelago	120	51	0	171	0	61	51	0	112	0	61	52	0	113	2	46	24	0	70	4
7	China *	1,673	1,320	21	3,014	1,223	1,606	835	24	2,465	907	1,501	422	4	1,927	1,073	1,290	302	4	1,596	620
7	French Southern and Antarctic Lands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Hong Kong	1,313	9,767	264	11,344	4,229	1,227	4,689	40	5,956	3,653	1,273	3,060	41	4,374	1,855	1,007	1,921	9	2,937	840
7	India	1,453	1,986	23	3,462	734	1,144	795	24	1,963	337	1,418	802	1	2,221	190	1,358	544	1	1,903	157
7	Indonesia	682	388	0	1,070	309	737	294	1	1,032	323	712	370	1	1,083	150	508	281	1	790	49
7	Japan	8,681	35,134	1,677	45,492	29,283	7,041	12,417	1,522	20,980	28,312	6,582	10,097	657	17,336	17,311	5,629	7,683	645	13,957	17,774
7	Kampuchea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Korea, North	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Korea, South	2,678	7,289	35	10,002	5,178	2,299	4,095	6	6,400	5,371	2,246	3,788	7	6,041	3,934	1,492	1,521	6	3,019	4,015
7	Laos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Macau	16	2	0	18	0	27	18	0	45	0	26	16	0	42	2	17	2	0	19	0
7	Malaysia	680	1,927	0	2,607	173	740	1,978	1	2,719	189	572	1,544	1	2,117	1,714	429	279	1	709	228
7	Maldives	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Mongolia	9	0	0	9	0	9	0	0	9	0	9	0	0	9	0	9	0	0	9	0
7	Nepal	10	0	0	10	20	10	0	0	10	20	30	0	0	30	0	30	0	0	30	0
7	Pakistan	305	142	0	447	30	300	69	0	369	6	269	70	0	339	5	329	42	0	371	0

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7	Philippines	3,143	1,847	2	4,992	2,574	3,125	1,437	3	4,565	1,954	2,835	826	3	3,664	1,599	2,003	397	2	2,402	1,706
7	Singapore	867	4,748	152	5,767	2,604	835	1,959	4	2,798	2,001	641	1,617	3	2,261	610	623	1,114	3	1,740	547
7	Sri Lanka	75	50	0	125	249	100	38	0	138	33	110	14	0	124	33	113	11	0	124	36
7	Taiwan	1,647	1,837	48	3,532	4,580	1,368	1,914	49	3,331	4,897	1,635	996	2	2,633	907	1,377	594	2	1,973	1,186
7	Thailand	487	850	17	1,354	471	490	564	18	1,072	341	439	479	1	919	156	357	298	1	656	128
7	Vietnam	643	96	0	739	113	662	60	0	722	51	661	35	0	696	1,653	508	10	0	518	30
8	American Samoa	58	53	1	112	1	61	20	0	81	0	68	17	0	85	0	72	9	1	82	1
8	Australia	2,521	14,830	347	17,698	6,060	3,494	5,394	163	9,051	5,256	4,173	4,289	10	8,472	1,052	2,247	2,450	10	4,707	1,831
8	Baker Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Cook Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Fiji	46	48	0	94	0	38	1	0	39	0	44	1	0	45	0	45	1	0	46	0
8	French Polynesia	45	8	0	53	0	47	0	0	47	0	43	6	0	49	0	33	2	0	35	0
8	Guam	354	1,008	0	1,362	723	342	964	0	1,306	758	385	814	0	1,199	664	335	292	0	627	423
8	Hawaii	39	48	0	87	30	33	86	0	119	60	110	41	3	154	2	33	129	0	162	111
8	Howland Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Jarvis Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Johnston Atoll	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Kingman Reef	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Kiribati	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Marshall Islands	56	81	0	137	0	41	35	0	76	0	41	31	1	73	0	37	32	1	70	0
8	Micronesia, Federated States of	47	11	0	58	3	47	14	0	61	3	41	13	0	54	0	41	24	0	65	0
8	Midway Atoll	2	2	0	4	0	2	2	0	4	0	2	0	0	2	0	2	0	0	2	0
8	Nauru	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0
8	New Caledonia	4	0	0	4	0	8	0	0	8	0	8	0	0	8	0	4	0	0	4	0
8	New Zealand	875	967	1	1,843	87	819	378	2	1,199	276	718	390	2	1,110	83	486	395	2	883	258
8	Niue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Norfolk Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Northern Mariana Islands	286	76	57	419	73	176	65	44	285	68	166	57	17	240	42	282	89	5	376	29
8	Pacific Islands (Palau)	26	4	0	30	0	29	8	0	37	4	29	8	0	37	0	19	9	0	28	0
8	Palmyra Atoll	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Papua New Guinea	23	0	0	23	0	23	0	0	23	0	18	0	0	18	0	18	0	0	18	0
8	Solomon Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Tonga	28	2	0	30	1	28	2	0	30	1	29	1	0	30	0	29	1	0	30	0
8	Tuvalu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Vanuatu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Wake Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Wallis and Futuna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Western Samoa	15	1	0	16	0	15	1	0	16	0	12	1	0	13	3	12	1	0	13	3
9	Albania	30	39	0	69	0	30	2	0	32	0	30	1	0	31	0	0	1	0	1	0
9	Armenia	134	24	0	158	0	133	2	0	135	0	135	5	0	140	0	112	4	0	116	0
9	Azerbaijan	15	22	0	37	2	32	22	0	54	2	32	154	0	186	4	42	18	0	60	0
9	Belarus	132	22	0	154	0	67	32	0	99	0	53	17	0	70	0	8	1	0	9	0
9	Bosnia and Herzegovina	533	168	0	701	8	519	93	0	612	0	351	29	0	380	0	379	8	0	387	0
9	Bulgaria	117	93	0	210	1	88	74	0	162	0	88	0	43	131	0	90	1	43	134	0
9	Croatia	128	155	0	283	0	128	155	0	283	0	122	155	0	277	56	98	33	0	131	0
9	Czech Republic	199	44	0	243	60	197	50	0	247	93	105	8	43	156	146	158	8	43	209	86
9	Estonia	30	0	0	30	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0
9	Georgia	58	56	0	114	0	36	5	0	41	5	66	3	0	69	8	30	5	0	35	5
9	Hungary	232	1,729	0	1,961	119	201	111	0	312	127	202	31	43	276	102	150	35	43	228	139
9	Kazakhstan	60	6	0	66	30	38	12	0	50	30	38	18	0	56	30	38	8	0	46	36
9	Kyrgyzstan	30	0	0	30	0	30	0	0	30	0	30	0	0	30	0	30	0	0	30	0
9	Latvia	60	39	0	99	0	60	0	0	60	0	30	1	0	31	0	30	1	0	31	0
9	Lithuania	59	25	0	84	20	72	12	0	84	2	44	13	0	57	4	46	12	0	58	3
9	Moldova	0	2	0	2	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0
9	Poland	1,085	132	0	1,217	451	1,089	97	0	1,186	430	760	114	43	917	629	744	52	43	839	696
9	Romania	111	69	0	180	31	90	49	0	139	30	75	2	43	120	0	90	2	44	136	0

TABLE 5 - Combined Circuit Status 1995-1998

Reg Code	Country	1999 Combined					1998 Combined					1997 Combined					1996 Combined				
		IMTS Total Ckts	P.L. Total Ckts	Other Total Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Active Total Ckts	Idle Total Ckts
9	Russia	1,528	1,484	40	3,052	439	1,269	832	41	2,142	455	1,266	533	22	1,821	451	1,052	298	3	1,353	550
9	Serbia	217	66	0	283	74	151	84	0	235	99	152	33	43	228	99	162	9	44	215	136
9	Slovakia	120	60	0	180	0	98	8	0	106	0	98	8	0	106	0	68	8	0	76	30
9	Slovenia	60	35	0	95	31	60	0	0	60	0	60	62	0	122	0	60	31	0	91	0
9	Tajikistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Turkmenistan	12	4	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Ukraine	337	136	0	473	32	336	32	0	368	3	150	259	0	409	179	60	6	0	66	1
9	Uzbekistan	56	6	0	62	0	30	0	0	30	0	38	2	0	40	22	8	0	0	8	22
10	Antarctica	0	26	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - Atlantic	0	303	0	303	0	0	1,513	0	1,513	0	0	1,137	630	1,767	0	0	1,137	0	1,137	0
10	Maritime - other oceans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - Pacific	0	150	0	150	0	0	1,350	0	1,350	0	0	630	720	1,350	0	0	630	0	630	0
Total for all International Points		310,401	561,786	34,711	906,898	344,695	204,805	252,977	6,310	464,092	349,029	182,357	154,972	9,754	347,083	127,448	146,108	103,897	5,834	255,839	76,779
Activated Circuits %					72.5%					57.1%					73.1%					76.9%	
Idle Circuits %					27.5%					42.9%					26.9%					23.1%	
Service Mix		34.2%	61.9%	3.8%	100.0%		44.1%	54.5%	1.4%	100.0%		52.5%	44.6%	2.8%	100.0%		57.1%	40.6%	2.3%	100.0%	
Regional Total																					
1	Western Europe	87,857	276,164	20,796	384,817	105,885	52,033	109,917	3,305	165,255	151,203	39,357	46,313	1,301	86,971	49,562	30,850	33,142	936	64,928	33,322
2	Africa	2,756	4,519	0	7,275	947	2,792	1,560	2	4,354	320	2,635	743	90	3,468	292	2,439	419	97	2,955	327
3	Middle East	2,970	8,824	270	12,064	1,109	2,823	3,300	211	6,334	844	3,161	1,432	1,350	5,943	479	2,841	908	5	3,754	560
4	Caribbean	8,828	3,296	0	12,124	4,295	9,559	2,103	6	11,668	5,725	9,449	1,711	7	11,167	3,230	7,501	1,501	7	9,009	2,279
5	North and Central America	164,749	156,844	10,646	332,239	164,466	97,425	83,828	711	181,964	129,009	89,434	64,903	4,603	158,940	34,908	71,403	43,659	3,814	118,876	3,835
6	South America	8,720	22,654	314	31,688	7,872	8,188	9,549	133	17,870	5,762	7,233	6,794	19	14,046	4,168	6,626	3,500	18	10,144	4,705
7	Asia	24,745	67,451	2,239	94,435	51,845	22,020	31,215	1,692	54,927	48,464	21,268	24,190	721	46,179	31,233	17,290	15,024	675	32,989	27,391
8	Oceania	4,433	17,139	406	21,978	6,978	5,211	6,970	209	12,390	6,426	5,895	5,669	33	11,597	1,846	3,703	3,434	19	7,156	2,656
9	Eastern Europe	5,343	4,416	40	9,799	1,298	4,754	1,672	41	6,467	1,276	3,925	1,450	280	5,655	1,730	3,455	543	263	4,261	1,704
10	Other Regions	0	479	0	479	0	0	2,863	0	2,863	0	0	1,767	1,350	3,117	0	0	1,767	0	1,767	0
Total for all International Points		310,401	561,786	34,711	906,898	344,695	204,805	252,977	6,310	464,092	349,029	182,357	154,972	9,754	347,083	127,448	146,108	103,897	5,834	255,839	76,779
Regional % of Total																					
1	Western Europe	28.3%	49.2%	59.9%	42.4%	30.7%	25.4%	43.4%	52.4%	35.6%	43.3%	21.6%	29.9%	13.3%	25.1%	38.9%	21.1%	31.9%	16.0%	25.4%	43.4%
2	Africa	0.9%	0.8%	0.0%	0.8%	0.3%	1.4%	0.6%	0.0%	0.9%	0.1%	1.4%	0.5%	0.9%	1.0%	0.2%	1.7%	0.4%	1.7%	1.2%	0.4%
3	Middle East	1.0%	1.6%	0.8%	1.3%	0.3%	1.4%	1.3%	3.3%	1.4%	0.2%	1.7%	0.9%	13.8%	1.7%	0.4%	1.9%	0.9%	0.1%	1.5%	0.7%
4	Caribbean	2.8%	0.6%	0.0%	1.3%	1.2%	4.7%	0.8%	0.1%	2.5%	1.6%	5.2%	1.1%	0.1%	3.2%	2.5%	5.1%	1.4%	0.1%	3.5%	3.0%
5	North and Central America	53.1%	27.9%	30.7%	36.6%	47.7%	47.6%	33.1%	11.3%	39.2%	37.0%	49.0%	41.9%	47.2%	45.8%	27.4%	48.9%	42.0%	65.4%	46.5%	5.0%
6	South America	2.8%	4.0%	0.9%	3.5%	2.3%	4.0%	3.8%	2.1%	3.9%	1.7%	4.0%	4.4%	0.2%	4.0%	3.3%	4.5%	3.4%	0.3%	4.0%	6.1%
7	Asia	8.0%	12.0%	6.5%	10.4%	15.0%	10.8%	12.3%	26.8%	11.8%	13.9%	11.7%	15.6%	7.4%	13.3%	24.5%	11.8%	14.5%	11.6%	12.9%	35.7%
8	Oceania	1.4%	3.1%	1.2%	2.4%	2.0%	2.5%	2.8%	3.3%	2.7%	1.8%	3.2%	3.7%	0.3%	3.3%	1.4%	2.5%	3.3%	0.3%	2.8%	3.5%
9	Eastern Europe	1.7%	0.8%	0.1%	1.1%	0.4%	2.3%	0.7%	0.6%	1.4%	0.4%	2.2%	0.9%	2.9%	1.6%	1.4%	2.4%	0.5%	4.5%	1.7%	2.2%
10	Other Regions	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	1.1%	0.0%	0.6%	0.0%	0.0%	1.1%	13.8%	0.9%	0.0%	0.0%	1.7%	0.0%	0.7%	0.0%
Total for all International Points		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100%	100%	100%	100%	100%



TABLE 5 - Combined Circuit Status 1995-1998

Reg Code	Country	1999 Combined					1998 Combined					1997 Combined					1996 Combined				
		IMTS Total Ckts	P.L. Total Ckts	Other Total Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Active Total Ckts	Idle Total Ckts	IMTS Total Ckts	P.L. Total Ckts	Other Serv. Ckts	Active Total Ckts	Idle Total Ckts
	Service Mix By Region																				
1	Western Europe	22.8%	71.8%	5.4%	100.0%		31.5%	66.5%	2.0%	100.0%		45.3%	53.3%	1.5%	100.0%		47.5%	51.0%	1.4%	100.0%	
2	Africa	37.9%	62.1%	0.0%	100.0%		64.1%	35.8%	0.0%	100.0%		76.0%	21.4%	2.6%	100.0%		82.5%	14.2%	3.3%	100.0%	
3	Middle East	24.6%	73.1%	2.2%	100.0%		44.6%	52.1%	3.3%	100.0%		53.2%	24.1%	22.7%	100.0%		75.7%	24.2%	0.1%	100.0%	
4	Caribbean	72.8%	27.2%	0.0%	100.0%		81.9%	18.0%	0.1%	100.0%		84.6%	15.3%	0.1%	100.0%		83.3%	16.7%	0.1%	100.0%	
5	North and Central America	49.6%	47.2%	3.2%	100.0%		53.5%	46.1%	0.4%	100.0%		56.3%	40.8%	2.9%	100.0%		60.1%	36.7%	3.2%	100.0%	
6	South America	27.5%	71.5%	1.0%	100.0%		45.8%	53.4%	0.7%	100.0%		51.5%	48.4%	0.1%	100.0%		65.3%	34.5%	0.2%	100.0%	
7	Asia	26.2%	71.4%	2.4%	100.0%		40.1%	56.8%	3.1%	100.0%		46.1%	52.4%	1.6%	100.0%		52.4%	45.5%	2.0%	100.0%	
8	Oceania	20.2%	78.0%	1.8%	100.0%		42.1%	56.3%	1.7%	100.0%		50.8%	48.9%	0.3%	100.0%		51.7%	48.0%	0.3%	100.0%	
9	Eastern Europe	54.5%	45.1%	0.4%	100.0%		73.5%	25.9%	0.6%	100.0%		69.4%	25.6%	5.0%	100.0%		81.1%	12.7%	6.2%	100.0%	
10	Other Regions	0.0%	100.0%	0.0%	100.0%		0.0%	100.0%	0.0%	100.0%		0.0%	56.7%	43.3%	100.0%		0.0%	100.0%	0.0%	100.0%	
	Total for all International Points	34.2%	61.9%	3.8%	100.0%		44.1%	54.5%	1.4%	100.0%		52.5%	44.6%	2.8%	100.0%		57.1%	40.6%	2.3%	100.0%	
	Transmission Mix (% of total)																				
	Regional Annual Growth by Service																				
1	Western Europe	69%	151%	529%	133%	-30%	32%	137%	154%	90%	205%	28%	40%	39%	34%	49%	32%	214%	-25%	85%	-40%
2	Africa	-1%	190%	-100%	67%	196%	6%	110%	-98%	26%	10%	8%	77%	-7%	17%	-11%	19%	97%	708%	30%	81%
3	Middle East	5%	167%	28%	90%	31%	-11%	130%	-84%	7%	76%	11%	58%	26900%	58%	-14%	11%	79%	0%	22%	111%
4	Caribbean	-8%	57%	-100%	4%	-25%	1%	23%	-14%	4%	77%	26%	14%	0%	24%	42%	-6%	37%	17%	-1%	-12%
5	North and Central America	69%	87%	1397%	83%	27%	9%	29%	-85%	14%	270%	25%	49%	21%	34%	810%	3%	479%	48%	50%	-18%
6	South America	6%	137%	136%	77%	37%	13%	41%	600%	27%	38%	9%	94%	6%	38%	-11%	12%	100%	-25%	32%	-27%
7	Asia	12%	116%	32%	72%	7%	4%	29%	135%	19%	55%	23%	61%	7%	40%	14%	25%	194%	-7%	68%	2%
8	Oceania	-15%	146%	94%	77%	9%	-12%	23%	533%	7%	248%	59%	65%	74%	62%	-30%	-1%	225%	58%	48%	54%
9	Eastern Europe	12%	164%	-2%	52%	2%	21%	15%	-85%	14%	-26%	14%	167%	6%	33%	2%	14%	124%	8667%	30%	16%
10	Other Regions	0%	-83%	0%	-83%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-100%	n.a.	n.a.	2845%		-100%
	Total for all International Points	52%	122%	450%	95%	-1%	12%	63%	-35%	34%	174%	25%	49%	67%	36%	66%	11%	270%	26%	56%	-24%

\* One carrier has revised its 1998 China idle capacity figure. All 1998 numbers have been recalculated to reflect that change..

TABLE 6 - Top 30 Countries Circuit Status 1999

Reg Code	1999 Rank	1998 Rank	1997 Rank	1996 Rank	Country	1999 Combined					1999 IMTS/(PL + Other) Split *	1998 IMTS/PL Split Ratio	1997 IMTS/PL Split Ratio	1996 IMTS/PL Split Ratio
						IMTS Total Ckts	P.L. Total Ckts	Other Total Ckts	Active Total Ckts	Idle Total Ckts				
1	1	2	3	3	United Kingdom	54,780	205,954	15,601	276,335	57,258	0.25	0.34	0.78	0.69
5	2	1	1	1	Canada	77,827	112,021	10,542	200,390	152,901	0.63	1.03	1.25	1.41
5	3	3	2	2	Mexico	84,536	42,083	0	126,619	10,593	2.01	1.38	1.57	2.09
7	4	4	4	4	Japan	8,681	35,134	1,677	45,492	29,283	0.24	0.57	0.65	0.73
1	5	5	5	5	Germany	9,261	21,484	541	31,286	13,521	0.42	0.76	0.64	0.83
1	6	8	13	8	Netherlands	1,831	20,687	30	22,548	17,721	0.09	0.34	0.58	0.56
8	7	7	6	7	Australia	2,521	14,830	347	17,698	6,060	0.17	0.65	0.97	0.92
1	8	9	7	6	France	5,346	8,390	2,010	15,746	4,474	0.51	1.67	0.95	0.99
7	9	11	10	10	Hong Kong	1,313	9,767	264	11,344	4,229	0.13	0.26	0.42	0.52
7	10	10	8	9	Korea, South	2,678	7,289	35	10,002	5,178	0.37	0.56	0.59	0.98
1	11	6	9	15	Sweden	3,198	6,568	0	9,766	1,806	0.49	0.28	0.30	0.60
6	12	12	11	11	Brazil	1,939	7,556	221	9,716	1,505	0.25	0.58	0.64	1.24
1	13	14	19	21	Switzerland	1,991	6,570	0	8,561	2,133	0.30	1.43	1.11	1.33
3	14	24	26	28	Israel	1,141	5,093	180	6,414	582	0.22	0.82	1.28	1.77
7	15	19	20	20	Singapore	867	4,748	152	5,767	2,604	0.18	0.43	0.40	0.56
6	16	29	n.a.	n.a.	Chile	1,081	4,585	38	5,704	1,308	0.23	0.82	1.09	1.96
7	17	13	12	14	Philippines	3,143	1,847	2	4,992	2,574	1.70	2.17	3.43	5.05
6	18	16	16	16	Venezuela	1,913	2,412	0	4,325	1,700	0.79	1.31	1.49	2.14
1	19	n.a.	n.a.	n.a.	Denmark	1,267	234	2,520	4,021	542	0.46	2.89	5.82	7.00
6	20	23	29	29	Argentina	779	3,150	30	3,959	1,128	0.24	0.46	0.76	1.34
6	21	28	27	23	Colombia	1,391	2,273	24	3,688	1,313	0.61	1.26	1.54	3.11
7	22	15	17	17	Taiwan	1,647	1,837	48	3,532	4,580	0.87	0.71	1.64	2.32
7	23	n.a.	21	18	India	1,453	1,986	23	3,462	734	0.72	1.44	1.77	2.50
1	24	17	18	12	Italy	2,650	709	92	3,451	1,765	3.31	2.60	2.09	2.34
9	25	26	28	27	Russia	1,528	1,484	40	3,052	439	1.00	1.53	2.38	3.53
7	26	22	25	22	China	1,673	1,320	21	3,014	1,223	1.25	1.92	3.56	4.27
4	27	20	14	13	Dominican Republic	2,297	556	0	2,853	633	4.13	5.17	3.10	2.15
2	28	n.a.	n.a.	n.a.	Egypt	270	2,365	0	2,635	68	0.11	1.04	1.75	3.63
7	29	21	24	n.a.	Malaysia	680	1,927	0	2,607	173	0.35	0.37	0.37	1.54
1	30	18	15	26	Spain	1,493	1,057	2	2,552	1,878	1.41	1.73	1.65	6.01
Top 30 International Points Circuits						281,175	535,916	34,440	851,531	329,906	0.49	0.75	1.09	1.28
Total for all International Points						310,401	561,786	34,711	906,898	344,695	0.52	0.81	1.18	1.41
Top 30 as % of all Intern'l Points						90.6%	95.4%	99.2%	93.9%	95.7%				
Regional Total														
Western Europe						87,857	276,164	20,796	384,817	105,885	0.30	0.47	0.85	0.93
Africa						2,756	4,519	0	7,275	947	0.61	1.79	3.55	5.82
Middle East						2,970	8,824	270	12,064	1,109	0.33	0.86	2.21	3.13
Caribbean						8,828	3,296	0	12,124	4,295	2.68	4.55	5.52	5.00
North and Central America						164,749	156,844	10,646	332,239	164,466	0.98	1.16	1.38	1.64
South America						8,720	22,654	314	31,688	7,872	0.38	0.86	1.06	1.89
Asia						24,745	67,451	2,239	94,435	51,845	0.36	0.71	0.88	1.15
Oceania						4,433	17,139	406	21,978	6,978	0.25	0.75	1.04	1.08
Eastern Europe						5,343	4,416	40	9,799	1,298	1.20	2.84	2.71	6.36
Other Regions						0	479	0	479	0	0.00	0.00	0.00	0.00
Total for all International Points						310,401	561,786	34,711	906,898	344,695	0.52	0.81	1.18	1.41

\* Due to the large amount of data circuits that were reported under "Other Services" in 1999, it is more appropriate to include "Other Services" under this split calculation and include it in the denominator as a proxy for the voice/data split. For other years, the split calculation only used "IMTS/PL", other services were not in the denominator.

**TABLE 7 - Trans-Ocean Fiber Optic Cable Capacity  
64 Kbps Circuits**

CABLES	Class*	Cost \$M	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000 Est.	2001 Est.	2002 Est.
<b>TRANS - ATLANTIC (T-A) -</b>																	
<b>Operational :</b>																	
CANTAT-3 **	P	\$600							60,480	60,480	60,480	60,480	60,480	60,480	60,480	60,480	60,480
CANUS-1	P	n.a.	0	0	0	0	0	0	0	30,240	30,240	30,240	30,240	30,240	30,240	30,240	30,240
Columbus II ***	C	\$404	0	0	0	0	0	0	15,120	15,120	15,120	15,120	15,120	15,120	15,120	15,120	15,120
PTAT 1	P	\$400	0	17,010	17,010	17,010	17,010	17,010	17,010	17,010	17,010	17,010	17,010	17,010	17,010	17,010	17,010
TAT 8	C	\$360	7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560
TAT 9	C	\$406	0	0	0	0	15,120	15,120	15,120	15,120	15,120	15,120	15,120	15,120	15,120	15,120	15,120
TAT 10	C	\$300	0	0	0	0	22,680	22,680	22,680	22,680	22,680	22,680	22,680	22,680	22,680	22,680	22,680
TAT 11	C	\$280	0	0	0	0	0	22,680	22,680	22,680	22,680	22,680	22,680	22,680	22,680	22,680	22,680
TAT 12/TAT-13	C	\$756	0	0	0	0	0	0	0	60,480	120,960	120,960	241,920	362,880	362,880	362,880	362,880
Gemini	P	\$520										60,480	120,960	362,880	362,880	362,880	362,880
Atlantic Crossing (AC-1)	P	\$750											241,920	967,680	1,693,440	1,693,440	1,693,440
Columbus III	C	\$236												120,960	120,960	120,960	120,960
Level 3	P	\$300													1,935,360	1,935,360	1,935,360
AC-2	P	\$300													1,935,360	1,935,360	1,935,360
<b>Planned :</b>																	
TAT-14	NC	\$1,500															1,935,360
FLAG Atlantic - 1	P	\$1,200															1,935,360
360atlantic	P	\$630															1,935,360
TyCom Atlantic	P	n.a.															3,386,880
(1) Total T-A			7,560	24,570	24,570	24,570	62,370	85,050	160,650	251,370	311,850	372,330	795,690	2,005,290	6,601,770	15,794,730	15,794,730
(2) Total T-A w/o CANTAT-3			7,560	24,570	24,570	24,570	62,370	85,050	100,170	190,890	251,370	311,850	735,210	1,944,810	6,541,290	15,734,250	15,734,250
(3) 43.82 Reported circuits of regions 1,2,3,9 (active+ Idle)										91,399	101,876	141,256	322,944	500,280			
(4) Reported % = (3) / (2) (w/o CANTAT-3)										47.9%	40.5%	45.3%	43.9%	25.7%			
<b>AMERICAS -</b>																	
<b>Operational :</b>																	
Americas I ***	C	\$268								22,680	22,680	22,680	22,680	22,680	22,680	22,680	22,680
TCS-1	C	\$133			1,890	1,890	1,890	1,890	1,890	1,890	1,890	1,890	1,890	1,890	1,890	1,890	1,890
Taino-Carb	C	\$17					45,360	45,360	45,360	45,360	45,360	45,360	45,360	45,360	45,360	45,360	45,360
Antillas 1	C	n.a.										15,120	15,120	15,120	15,120	15,120	15,120
BAHAMAS II	C	n.a.										30,240	30,240	30,240	30,240	30,240	30,240
Pan American Cable System	C	\$214											120,960	120,960	120,960	120,960	120,960
Americas II	C	\$310													604,800	604,800	604,800
MAC	P	\$200													241,920	241,920	241,920
PAC	P	\$365													241,920	241,920	241,920
MAYA -1	C	\$150													90,720	90,720	90,720
360Americas (former Atlantic-1)	P	n.a.													241,920	241,920	241,920
SAC	P	\$700													483,840	483,840	483,840
<b>Planned :</b>																	
ARCOS-1	P	\$285															181,440
SAm-1	P	\$900															483,840
Bahamas Internet Cable Network	P	n.a.															362,880
(1) Total Americas			0	0	1,890	1,890	47,250	47,250	69,930	69,930	69,930	115,290	236,250	236,250	2,141,370	3,169,530	3,169,530
(2) Total Americas (without Taino-Carb cable)										24,570	24,570	69,930	190,890	190,890	2,096,010	3,124,170	3,124,170
(3) 43.82 reported circuits of regions 4, 5, 6 (active+ Idle)										19,942	19,160	24,699	32,384	36,064			
(4) Reported % = (3) / (2) (w/o Taino-Carb) ****										81.2%	78.0%	35.3%	17.0%	18.9%			

**TABLE 7 - Trans-Ocean Fiber Optic Cable Capacity  
64 Kbps Circuits**

CABLES	Class*	Cost (\$M)	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000 Est.	2001 Est.	2002 Est.
<b>TRANS - PACIFIC (T-P) - Operational:</b>																	
HAW 4/TPC 3	C	\$601	0	7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560
NPC	P	n.a.	0	0	0	17,010	17,010	17,010	17,010	17,010	17,010	17,010	17,010	17,010	17,010	17,010	17,010
TPC 4	C	\$408	0	0	0	0	15,120	15,120	15,120	15,120	15,120	15,120	15,120	15,120	15,120	15,120	15,120
HAW-5	C	\$152						15,120	15,120	15,120	15,120	15,120	15,120	15,120	15,120	15,120	15,120
PacRimEast	C	\$280						7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560
PacRimWest	C	\$282								7,560	7,560	7,560	7,560	7,560	7,560	7,560	7,560
TPC 5	C	\$1,348	0	0	0	0	0	0	0	120,960	120,960	241,920	241,920	241,920	241,920	241,920	241,920
PC-1	P	\$1,200												967,680	967,680	967,680	967,680
Guam-Philippines	NC	n.a.												120,960	120,960	120,960	120,960
China - U.S. Cable Network	NC	\$1,100													967,680	967,680	967,680
Southern Cross	C	\$800													483,840	483,840	483,840
<b>Planned:</b>																	
Japan - U.S. Cable Network	NC	\$1,000															967,680
FLAG - Pacific -1	P	\$2,100															1,935,360
360pacific Cable Network	P	\$1,100															3,870,720
Australia-Japan Cable (Guam)	NC	\$350															967,680
Tycom Pacific	P	n.a.															4,354,560
(1) Total T-P			0	7,560	7,560	24,570	39,690	62,370	62,370	69,930	190,890	190,890	311,850	1,400,490	2,852,010	6,722,730	14,948,010
(2) 43.82 Reported circuits of regions 7,8 (active+ Idle)										45,628	62,217	83,248	114,772	158,714			
(3) Reported % = (2) / (1)										65.2%	32.6%	43.6%	36.8%	11.3%			
<b>ALL REGIONS -</b>																	
(4) Total Available Capacity										285,390	466,830	572,670	1,237,950	3,536,190	11,489,310	25,581,150	33,806,430
(5) Total Non-Common Carrier Cables (consortium & private)										64,260	64,260	124,740	427,140	2,483,460	9,257,220	23,349,060	31,574,340
(6) Total 43.82 Reported Circuits										156,969	183,253	249,203	470,100	695,058			
(7) Total Reported % = (6) / (4)										55.0%	39.3%	43.5%	38.0%	19.7%			
(8) Non-Common Carrier Cables as % of total capacity = (5)/(4)										22.5%	13.8%	21.8%	34.5%	70.2%	80.6%	91.3%	93.4%

\* Class : "C" = Common Carrier Cable, "NC" = Non-Common Carrier Consortium Cable, and "P" = Private Cable.

\*\* CANTAT-3 is a Canadian cable. Because there is little information on the U.S. carriers' ownership, we excluded CANTAT-3 in our total reported % calculation.

\*\*\* Americas I and Columbus II have common segments from Florida to U.S. Virgin Islands at 60,480 circuits capacity. These large common segments are designed for back up purposes. From U.S.V.I. landing point and beyond, Americas I has 22,680 circuits to its South American destinations. Columbus II has 15,120 circuits to its Euroean destinations. For the purpose of calculating available capacity for Americas and European regions, we decided to use the most reasonable capacity of 22,680 and 15,120 for Americas I and Columbus II respectively. We have revised Columbus II capacity from 22,680 to 15,120 circuits in this year's report.

\*\*\*\* Taino-Carb cable only connects from Puerto Rico to the U.S. Virgin Islands and British Virgin Island (basically serves as a hub). We therefore excluded this cable in our reported % calculation.

**Conversion Ratio Used:**

- 1 E-1 Circuit = 30 64 Kbps Circuits
- 1 DS-3 Circuit = 21 E-1s = 630 64 Kbps Circuits
- 1 STM Circuit = 3 DS-3s = 63 E-1s = 1,890 64 Kbps Circuits
- 5 Gbps = 2,016 E1s = 60,480 64 Kbps Circuits
- 10 Gbps = 4,032 E1s = 120,960 64 Kbps Circuits

**TABLE 7 - Trans-Ocean Fiber Optic Cable Capacity  
64 Kbps Circuits**

**Table 7 - Data sources:**

Cable capacity numbers are extracted from the FCC Cable Landing License Orders or pending Applications (see the following details).  
For construction costs, some numbers are available in their License Order, others are available at each project's website, as cited below.

CABLES	Landing Points	FCC File No.	Release Date	FCC Record
<b>TRANS - ATLANTIC -</b>				
<b>Operational :</b>				
TAT-8	U.S./U.K./France	I-T-C-84-072 , FCC 84-240 34614	June 8, 1984	98 FCC 2 d 440 (1984)
PTAT	U.S./Bermuda/Ireland/UK.	SCL-85-001 , FCC 85-99 35600	April 5, 1985	100 FCC 2 d 1033 (1985)
TAT-9	U.S./Canada/U.K./France/Spain	SCL-88-004, DA 88-1961	December 27, 1988	3 FCC Rcd 7304 (1988)
TAT-10	U.S./Germany/Netherlands	SCL-91-001, FCC 91-416	January 10, 1992	7 FCC Rcd 130 (1992)
TAT-11	U.S./U.K./France	SCL-91-002, FCC 91-418	January 10, 1992	7 FCC Rcd 134 (1992)
TAT-12/13	U.S./U.K./France	I-T-C-93-062 , DA 93-823	July 16, 1993	8 FCC Rcd 4810 (1993)
CANTAT-3	Canada/Iceland/Denmark/Germany/UK	SCL-92-004, FCC 93-137	April 1, 1993	8 FCC Rcd 2267 (1993)
Columbus II	U.S./Mexico/PR/Portugal/Spain/Italy	SCL-93-001, DA 93-908	July 26, 1993	8 FCC Rcd 5038 (1993)
CANUS-1	U.S./Bermuda/Canada	SCL-95-004 (M) , DA 96-956	June 14, 1996	11 FCC Rcd 7121 (1996)
Atlantic Crossing (AC-1)	U.S./U.K./Germany	SCL-97-002, DA 97-2034	September 23, 1997	13 FCC Rcd 5961(1998)
Gemini Cable System - continued	U.S./U.K.	SCL-96-004, DA 96-1649 & 2151	October 3 & December 18, 1996	11 FCC Rcd 12732 (1996) & 12 FCC Rcd 8637 (1997)
Columbus III	U.S./Italy/Spain/Portugal	ITC-98-437, DA 99-1637	Aug. 20, 1999	14 FCC Rcd 13436 (1999)
Level 3 *	U.S./U.K.	SCL-LIC-19990913-00019, DA 00-108	Jan 21, 2000	15 FCC Rcd 842 (2000)
AC-2 *	U.S./U.K.	SCL-MOD-20000511-00018, DA 00-256	Nov. 9, 2000	N.A.
<b>Planned :</b>				
TAT-14	U.S./Demark/Germany/Netherlands/France/U	SCL-LIC-19990303-00004, DA 99-2042	Oct. 1, 1999	14 FCC Rcd 48090 (1999)
Flag Atlantic - 1	U.S./U.K./France	SCL-LIC-19990303-00005, DA 99-2041	Oct. 1, 1999	14 FCC Rcd 48091 (1999)
360atlantic	US/Canada/Ireland/U.K.	SCL-LIC-19990804-00012, DA 00-76	Jan 14, 2000	15 FCC Rcd 785 (2000)
TyCom - Atlantic	U.S./U.K.	SCL-LIC-20000308-00007, DA 00-1808	August 8, 2000	N.A.
<b>AMERICAS -</b>				
<b>Operational :</b>				
Americas I	US/USVI/Brazil/Fr. Guyana/Martinique/Trinidad	SCL-93-002, DA 93-909	July 26, 1993	8 FCC Rcd 5041 (1993)
- Continue	Venezuela/Curacao/Guyana/Suriname			
TCS-1	US/PR/Dominican Rep./Jamaica/Colombia	SCL-89-003, DA 89-1667	January, 5, 1990	5 FCC Rcd 100 (1990)
Taino-Carb	PR/USVI/British V.I.	SCL-92-002, DA 92-861	July 6, 1992	7 FCC Rcd 4275 (1992)
BAHAMAS II	US/Bahamas	ITC-96-234, DA 96-1234	August 6, 1996	11 FCC Rcd 37604 (1996)
Antillas I	PR/Dominican Rep.	SCL-95-012, DA 96-1052	July 2, 1996	11 FCC Rcd 7690 (1996)
Pan American Cable System	USVI/Aruba/Venez/Colom/Pan/Ecu/Peru/Chile	SCL-97-001, DA 98-81	January 20, 1998	13 FCC Rcd 850 (1998)
Americas II	US/PR/USVI/Martinique/Curacao/Trinidad/-	ITC-98-342, 342A, DA 98-2294	November 10, 1998	13 FCC Rcd 22534 (1998)
- Continue	Venezuela/French Guiana/Brazil			
MAC	US/USVI	SCL-LIC-19981030-00023, DA 99-509	March 18, 1999	14 FCC Rcd 3981 (1999)
PAC	US/Mexico/Panama/Venezuela/USVI	SCL-LIC-19981103-00022, DA 99-510	March 18, 1999	14 FCC Rcd 3989 (1999)
MAYA - 1	US/Cayman Isl./Colombia/Costa Rica/	SCL-LIC-19990325-00006, DA 99-2579	Nov. 18, 1999	14 FCC Rcd 19456 (1999)
- continue	Honduras/Mexico/Panama			
360Americas (former Atlantica-1)	US/Venezuela/Brazil/Bermuda	SCL-LIC-19990602-00010, DA99-2778	Dec. 10, 1999	14 FCC Rcd 20787 (1999)
SAC	USVI/Brazil/Arg/Chile/Peru/Colombia/Panama	SCL-LIC-19990823-00015, DA 00-310	Feb. 17, 2000	15 FCC Rcd 3039 (2000)
<b>Planned :</b>				
ARCOS-1 (Americas Region Caribbean Ring System)	US/Bahamas/Turks/Dom Rep/PR/Curacao/Ven/Colom/Pan/Costa Rica/Nica/Honduras/Guatemala/Belize/Mexico	SCL-LIC-19981222-00032, DA 99-1312	July 2, 1999	14 FCC Rcd 10597 (1999)
Bahamas Internet Cable System	US/Bahamas	SCL-LIC-20000118-00001, DA 00-1349	June 20, 2000	15 FCC Rcd 10818 (2000)
South America-1 Cable System (SAM-1)	US/PR/Brazil/Argentina/Chile/Peru/Guatemala	SCL-LIC-20000204-00003, DA 00-1826	August 10, 2000	N.A.

\* Level 3 and Global Crossing will jointly build the original granted Level 3 cable. Global Crossing's portion of the cable (50% of the total capacity) will be called "AC-2".

**TABLE 7 - Trans-Ocean Fiber Optic Cable Capacity  
64 Kbps Circuits**

**Table 7 - Data sources:**

Cable capacity numbers are extracted from the FCC Cable Landing License Orders or pending Applications (see the following details).  
For construction costs, some numbers are available in their License Order, others are available at each project's website, as cited below.

<b>TRANS - PACIFIC -</b>				
<b>Operational :</b>				
HAW-4/TPC-3	U.S./Hawaii/Guam/Japan	I-T-C-85-219 & ITC-88-024, DA 88-185	January 7, 1986 & February 22, 1986	3 FCC Rcd 940 (1988)
NPC	U.S./Japan	SCL-86-002-(M), FCC 89-304	November 15, 1989	4 FCC Rcd 8061 (1989)
TPC-4	U.S./Canada/Japan	SCL-89-004, FCC 89-305	November 15, 1989	4 FCC Rcd 8040 (1989)
PacRimWest	Australia/Guam	ITC-90-097, FCC-90-379	December 10, 1990	5 FCC Rcd 7362 (1990)
PacRimEast	HI/NZ	ITC-90-072, FCC-90-378	December 10, 1990	5 FCC Rcd 7331 (1990)
HAW-5	US- CA/HI	ITC-90-081, FCC-90-377	December 10, 1990	5 FCC Rcd 7344 (1990)
TPC-5	U.S./Japan	SCL-92-005, DA 92-1560	November 25, 1992	7 FCC Rcd 7674 (1992)
Southern Cross	U.S./Fiji/Australia/New Zealand	ITC-97-622 DA 98-273	February 13, 1998	13 FCC Rcd 2939 (1998)
China - U.S. Cable Network	U.S./China/Taiwan/Japan/S. Korea/Guam	SCL-98-002, DA 98-1711	August 28, 1998	13 FCC Rcd 16232 (1998)
PC-1	US/Japan	SCL-98-006, DA 98-2351	November 23, 1998	13 FCC Rcd 23384 (1998)
Guam-Philippines Cable	Guam/Philippines	SCL-98-004, DA 98-2550	December 15, 1998	14 FCC Rcd 1923 (1999)
<b>Planned :</b>				
Japan - U.S. CN	US/HI/Japan	SCL-LIC-19981117-00025, FCC 99-167	July 9, 1999	14 FCC Rcd 13066 (1999)
FLAG Pacific -1	US/Japan	SCL-LIC-20001014-00020, DA 00-2568	November 9, 2000	N.A.
360pacific Cable Network	US/HI/Japan	SCL-LIC-20000620-00024, DA 00-2616	November 20, 2000	N.A.
Australia-Japan Cable (Guam) - (AJC)	Australia/Guam/Japan	SCL-LIC-20000629-00025, DA 00-2758	December 8, 2000	N.A.
Tycom Pacific	US/HI/Guam/Japan	SCL-LIC-20000717-00026, DA 00-2762	December 8, 2000	N.A.

\* OXYGEN (USA) and AmeriCan-1 cable systems, two projects that have not started construction, have been deleted from this Table..

Note: All future cables' capacity are based on the information available at the time of the planned cables' filing (and subsequent updates). These estimates, however, are subject to change.

In order to be conservative, we listed only initial capacity for all future cables in this Table. However, the full potential capacity of each cable is listed below for further reference.

	Cable System	Initial Capacity (in Gbps)	Potential Max Capacity (Gbps)	
AOR:	Gemini	10	30	
	AC-1	40	140	
	Columbus III	10	40	
	TAT-14	160	640	
	FLAG Atlantic - 1	160	2,400	
	Level 3	160	640	
	AC-2	160	640	
	360atlantic	160	1,280	
	TyCom Atlantic	280	2,560	
	Americas:	Americas II	50	50
		MAC	20	40
		PAC	20	40
		MAYA -1	7.5	20
		360americas (former Atlantic-1)	20	640
SAC		40	80	
ARCOS-1		15	640	
SAm-1		40	1,920	
Bahamas Internet Cable Netw		30	75	
POR:		PC-1	80	640
	China - U.S. Cable Network	80	80	
	Southern Cross	40	40	
	Guam-Philippines	10	10	
	Japan - U.S. Cable Network	80	640	
	FLAG - Pacific -1	160	5,120	
	360pacific Cable Network	320	3,840	
	Australia-Japan Cable (Guam)	80	640	
	Tycom Pacific	360	5,120	

**TABLE 7 - Trans-Ocean Fiber Optic Cable Capacity**

**Table 7 - Continued - Construction cost sources:**

<b>Cable</b>	<b>Source</b>
<p><b>Trans - Atlantic - Operational</b></p> <p>TAT-8 PTAT TAT-9 TAT-10 TAT-11 TAT-12/13 CANTAT-3 Columbus II CANUS-1 Atlantic Crossing (AC-1) Gemini Columbus III Level 3</p> <p><b>Planned:</b> TAT-14 FLAG Atlantic - 1 360atlantic (former Hibernia) Tycom Atlantic</p>	<p>98 FCC 2 nd 447 (1984) 100 FCC 2 nd 1036 (1985) 4 FCC Rcd 1130 (1989) 7 FCC Rcd 445 (1992) 7 FCC Rcd 136 (1992) 8 FCC Rcd 4811 (1993) www.athens.actinc.bc.ca/ACT/news.oct/cable.html, downloaded 3/10/1997. Application, filed on November 10, 1992, File No. ITC-93-029 N/A. Prospectus Global Crossing Ltd., August 10, 1998, P. 7. www.cwplc.com/press/1996/p96oct28.htm, downloaded 6/18/1998. www.att.com/press/0298/980211.cia.html, downloaded 7/1/1998. www.simplextech.com/news/pr990511.html, downloaded 12/01/1999.</p> <p>www.francetelecomna.com/nr/nr_prre/nr_prre_9-2-98_tat.htm, downloaded 12/14/1999. www.flagatlantic.com/gts_and_flag_131099.htm, downloaded 12/14/1999. www.worldwidefiber.com/html/news_14july1999.html, downloaded 11/29/1999. N/A.</p>
<p><b>Americas - Operational:</b></p> <p>Americas I TCS-1 Taino-Carb BAHAMAS II Antillas I Pan American Cable System Americas II MAC PAC MAYA - 1 360americas (former Atlantica-1) SAC</p> <p><b>Planned:</b> ARCOS-1 (Americas Region Caribbean Ring System) SAm-1 Bahamas Internet Cable Network</p>	<p>Application, filed on November 10, 1992, File No. ITC-93-030 5 FCC Rcd 101 (1990) 7 FCC Rcd 4275 (1992) N/A. N/A. www.twoten.press.net/stories/headlines/BUSINESS_mci_Cable.html, download 2/27/98 www.investors.tycoint.com/news/19980302-5261.htm, downloaded 12/15/1999. www.alcatel.com/press/current/1998/06_09.htm, downloaded 12/14/1999. www.investors.tycoint.com/news/19980722-5277.htm, downloaded 12/15/1999. www.alcatel.com/press/current/1998/09_22.htm, downloaded 12/14/1999. N/A. www.alcatel.com/press/current/1999/08_17.htm, downloaded 12/14/1999.</p> <p>www.siemens.com/networks/news/pressrel/jun99/990683ae.htm, downloaded 12/07/2000.</p> <p>www.simplextech.com/news/pr990511.html, downloaded 12/01/1999. N/A.</p>
<p><b>Trans-Pacific: Operational -</b></p> <p>HAW-4/TPC-3 NPC TPC-4 PacRimWest PacRimEast HAW-5 TPC-5 China - U.S. Cable Network PC-1 Guam-Philippines Cable Southern Cross</p> <p><b>Planned:</b> Japan - U.S. CN FLAG - Pacific -1 360pacific Cable Network Australia - Japan Cable (Guam) TyCom Pacific</p>	<p>Application, filed on September 4, 1985, File No. ITC-85-219. N/A. 4 FCC Rcd 8043 (1989) 5 FCC Rcd 7362 (1990) 5 FCC Rcd 7332 (1990) 5 FCC Rcd 7344 (1990) 7 FCC Rcd 7758 (1992) www.att.com/press/1297/971211.cia.html, downloaded 3/24/98. www.investors.tycoint.com/news/19980512-5267.htm, downloaded 12/14/1999. N/A. www.alcatel.com/telecom/mbd/publi/newslink/9804/new_unde.htm, downloaded 12/14/1999.</p> <p>www.alcatel.com/telecom/mbd/publi/newslink/9804/new_unde.htm, downloaded 12/14/1999. www.flagatlantic.com/articles/PR_FP1.htm, downloaded 11/20/2000. www.home.alcatel.com, downloaded 12/01/2000. www.nec.co.jp/english/today/newsrel/0007/0301.html, downloaded 12/07/2000. N/A.</p>