

## 2021 Circuit Capacity Data For U.S.-International Submarine Cables

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**Source:** International Bureau, Federal Communications Commission

For definitions of terms and instructions on filing procedures, please refer to the [Filing Manual \(Feb. 2020\)](#)

For further information on current and past reports, see <https://www.fcc.gov/circuit-capacity-data-us-international-submarine-cables>

**Table 1**  
**Section 43.82 Circuit Capacity Filers (2021)**

No.	Entities	Submarine Cable Operator Reports	Submarine Cable Capacity Holder Reports
1	AARNet Pty Ltd		✓
2	ALGAR TELECOM S/A		✓
3	AMCS LLC		✓
4	American Samoa Hawaii Cable, LLC	✓	✓
5	ANGOLA CABLES		✓
6	Antel		✓
7	Antilles Crossing-St. Croix, Inc.	✓	✓
8	Aqua Comms (Americas) Inc	✓	✓
9	ARCOS-1 USA, Inc.	✓	✓
10	Atlantic Teleconnection Operating Company Limited		✓
11	AT&T Corp.	✓	✓
12	Australia-Japan Cable (Guam) Limited	✓	✓
13	Bharti Airtel Limited		✓
14	Bharti Airtel (USA) Ltd.		✓
15	BT Americas Inc.		✓
16	Cable Andino, Inc.		✓
17	Cable and Wireless Americas Systems Inc.	✓	✓
18	Cable and Wireless (BVI) Limited		✓
19	Caribbean Crossings Ltd.	✓	✓
20	Cedar Cable Ltd.	✓	✓
21	CenturyLink Communications, LLC		✓
22	China Mobile International Limited		✓
23	China Telecommunications Corporation		✓
24	China Unicom Americas Operations Ltd		✓
25	China United Network Communications Group Company Limited		✓
26	Chunghwa Telecom Co., Ltd.		✓
27	City of Ketchikan	✓	✓
28	Claro S.A. (Embratel)		✓
29	COLT Telecommunications		✓
30	Columbus Networks USA, Inc.	✓	✓
31	Crosslake Fiber USA LP	✓	✓
32	Crown Castle Fiber LLC		✓
33	CWC New Cayman Limited	✓	✓
34	Deutsche Telekom North America, Inc.		✓
35	DOCOMO PACIFIC, INC.		✓
36	Edge Cable Holdings USA, LLC	✓	✓
37	FLAG Telecom Limited	✓	✓
38	France Telecom Long Distance USA, LLC d/b/a Orange Carriers USA		✓
39	Global Caribbean Network	✓	✓

No.	Entities	Submarine Cable Operator Reports	Submarine Cable Capacity Holder Reports
40	Global Transit 2 Limited		✓
41	Global Transit Limited		✓
42	GlobeNet Cabos Submarinos America, Inc.	✓	✓
43	GTI Corporation		✓
44	GU Holdings Inc.	✓	✓
45	Hannon Armstrong KCS Funding, LLC		✓
46	Hawaiian Telecom Services Company, Inc.	✓	
47	Hawaiki Submarine Cable USA LLC	✓	✓
48	HUB Advanced Networks, LLC		✓
49	Interoute US LLC	✓	✓
50	KDDI America, Inc.		✓
51	KT Corporation		✓
52	Latam Telecommunications, L.L.C.	✓	✓
53	Ledcor Industries (USA) Inc.	✓	
54	Level 3 Communications, LLC	✓	✓
55	Marine Cable Corporation		✓
56	Megaport (USA), Inc.		✓
57	Microsoft Infrastructure Group, LLC		✓
58	Microsoft Operations Pte Ltd	✓	✓
59	National Telecom Public Company Limited		✓
60	Network i2i Limited		✓
61	New Century InfoComm Tech Co., Ltd.		✓
62	NTT America, Inc.		✓
63	NTT Ltd Japan Corporation	✓	✓
64	ONATI Honotua Division (U.S.)	✓	✓
65	Optibulk Havfrue AS		✓
66	Orange Business Services U.S., Inc.		✓
67	Pacific Carriage Limited	✓	✓
68	PCCW Global, Inc.		✓
69	PC Landing Corp.	✓	✓
70	PLDT Inc.		✓
71	PLDT (US) Ltd.		✓
72	PPC 1 Limited	✓	✓
73	PTI Pacifica Inc.		✓
74	PT Telekomunikasi Indonesia International		✓
75	Puerto Rico Telephone Company, Inc.		✓
76	Rogers Telecom (US) Inc.		✓
77	RTI Connectivity Pte. Ltd.	✓	✓
78	Seabras 1 USA, LLC	✓	✓
79	SETAR N.V.		✓
80	Singapore Telecom USA, Inc.		✓
81	SMITCOMS, Inc.	✓	✓

No.	Entities	Submarine Cable Operator Reports	Submarine Cable Capacity Holder Reports
82	SoftBank Corp.		✓
83	Sprint Communications LLC	✓	✓
84	StarHub Ltd		✓
85	TA Resources N.V.		✓
86	Tata Communications (America) Inc.	✓	✓
87	Telefonica Larga Distancia de Puerto Rico, Inc.		✓
88	TeleGuam Holdings, LLC		✓
89	Telekom Malaysia Bhd		✓
90	Telia Carrier U.S. Inc.		✓
91	Telstra Incorporated	✓	✓
92	Telxius Cable USA, Inc.	✓	✓
93	TI Sparkle North America, Inc.		✓
94	Truestone, LLC	✓	✓
95	UNIFIED NATIONAL NETWORKS		✓
96	Verizon Business Global LLC dba Verizon Business	✓	✓
97	VNPT		✓
98	Zayo Group, LLC		✓
<b>Total</b>		<b>39</b>	<b>96</b>

**Table 2**  
**Number of Reports Filed by Submarine Cable Operators (2021)**

No.	Entities	Cable Reports
1	American Samoa Hawaii Cable, LLC	1
2	Antilles Crossing-St. Croix, Inc.	1
3	Aqua Comms (Americas) Inc	2
4	ARCOS-1 USA, Inc.	1
5	AT&T Corp.	7
6	Australia-Japan Cable (Guam) Limited	1
7	Cable and Wireless Americas Systems Inc.	1
8	Caribbean Crossings Ltd.	1
9	Cedar Cable Ltd.	1
10	City of Ketchikan	1
11	Columbus Networks USA, Inc.	1
12	Crosslake Fiber USA LP	1
13	CWC New Cayman Limited	1
14	Edge Cable Holdings USA, LLC	1
15	FLAG Telecom Limited	1
16	Global Caribbean Network	1
17	GlobeNet Cabos Submarinos America, Inc.	1
18	GU Holdings Inc.	7
19	Hawaiian Telcom Services Company, Inc.	1
20	Hawaiki Submarine Cable USA LLC	1
21	Interoute US LLC	1
22	Latam Telecommunications, L.L.C.	1
23	Ledcor Industries (USA) Inc.	1
24	Level 3 Communications, LLC	4
25	Microsoft Operations Pte Ltd	1
26	NTT Ltd Japan Corporation	1
27	ONATI Honotua Division (U.S.)	1
28	Pacific Carriage Limited	2
29	PC Landing Corp.	1
30	PPC 1 Limited	1
31	RTI Connectivity Pte. Ltd.	1
32	Seabras 1 USA, LLC	1
33	SMITCOMS, Inc.	1
34	Sprint Communications LLC	1
35	Tata Communications (America) Inc.	2
36	Telstra Incorporated	1
37	Telxius Cable USA, Inc.	4
38	Truestone, LLC	1
39	Verizon Business Global LLC dba Verizon Business	1
<b>Total</b>		<b>60</b>

**Table 3**  
**Submarine Cable Operator Reports (in Gbps) (2021/2023)**

No.	Cable System	Available Capacity as of 12/31/2021	Planned Capacity as of 12/31/2023
	<b>Americas Region</b>		
1	America Movil Submarine Cable System (AMX1)	90,000.0	90,000.0
2	AmeriCan-1	*	*
3	Americas II	*	*
4	Antillas 1	*	*
5	Antilles Crossing	*	*
6	ARCOS-1	*	*
7	BAHAMAS II	*	*
8	Bahamas Internet Cable System (BICS)	716.0	916.0
9	BRUSA	144,000.0	144,000.0
10	CFX-1 Cable System (CFX-1)	*	*
11	Challenger Bermuda (CB-1)	*	*
12	Crosslake Fibre	*	*
13	Curie	*	*
14	Gemini Bermuda System	*	*
15	Global Caribbean Network (GCN)	140.0	260.0
16	GlobeNet	*	*
17	KetchCan1 Submarine Fiber Cable System	*	*
18	Maya-1	*	*
19	Monet Cable System	*	*
20	Pacific Caribbean Cable System (PCCS)	144,000.0	144,000.0
21	Pan American Crossing (PAC)	*	*
22	Seabras-1	*	*
23	SMPR-1	*	*
24	South America-1 (SAM-1)	48,000.0	48,000.0
25	South American Crossing (SAC)	*	*
26	Taino-Carib	*	*
	<b>Total Americas Region:</b>	<b>3,268,535.5</b>	<b>4,049,395.5</b>
	<b>Atlantic Region</b>		
1	AEConnect Cable Network	*	*
2	Amitié	0.0	384,000.0
3	Apollo Cable	*	*
4	Atlantic Crossing 1 (AC-1)	*	*
5	Dunant	*	*
6	FLAG Atlantic-1	*	*
7	GTT Atlantic	*	*
8	Havfrue	*	*
9	MAREA	178,000.0	178,000.0
10	TGN Atlantic	*	*
11	Yellow	*	*
	<b>Total Atlantic Region:</b>	<b>869,060.0</b>	<b>1,321,200.0</b>

No.	Cable System	Available Capacity as of 12/31/2021	Planned Capacity as of 12/31/2023
	<b>Pacific Region</b>		
1	Asia America Gateway (AAG)	*	*
2	Australia-Japan Cable	*	*
3	FASTER Cable System	*	*
4	GOKI Cable Network	*	*
5	HANTRU1	*	*
6	Hawaiki Cable System	*	*
7	Honotua Cable System	*	*
8	Japan-Guam-Australia (JGA) North System (JGA North)	*	*
9	Japan-Guam-Australia (JGA) South System (JGA South)	*	*
10	Japan-U.S. Cable Network	*	*
11	JUPITER	*	*
12	New Cross-Pacific (NCP)	*	*
13	Pacific Crossing-1 (PC-1)	*	*
14	Pacific Light Cable Network (PLCN)	*	*
15	PPC-1	*	*
16	Samoa American Samoa Cable**	*	*
17	Southeast Asia-US (SEA-US)	*	*
18	Southern Cross Cable Network	13,100.0	12,600.0
19	Southern Cross NEXT	0.0	6,200.0
20	Telstra Endeavour	*	*
21	TGN Pacific	*	*
22	Trans-Pacific Express (TPE) Cable Network	6,710.0	6,810.0
23	Unity Cable System	*	*
	<b>Total Pacific Region:</b>	<b>612,510.0</b>	<b>652,482.0</b>
	<b>All Regions</b>		
	Americas	3,268,535.5 (68.8%)	4,049,395.5 (67.2%)
	Atlantic	869,060.0 (18.3%)	1,321,200.0 (21.9%)
	Pacific	612,510.0 (12.9%)	652,482.0 (10.8%)
	<b>Total</b>	<b>4,750,105.5 (100%)</b>	<b>6,023,077.5 (100%)</b>
<p>* Filer requested confidential treatment of its Submarine Cable Operator Report data. Regional totals include both public and confidential data.</p> <p>** The name changed from American Samoa-Hawaii Cable to Samoa American Samoa Cable.</p>			

Table 4  
Submarine Cable Operator Capacity Trend Data (in Gbps)

CABLES	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Planned 2023
<b>AMERICAS REGION</b>																
América Móvil Submarine Cable System (AMX1)								1,640	2,800	4,660	4,890	*	*	90,000.0	90,000.0	90,000.0
AmeriCan-1	159.3	159.3	159.3	159.3	159.3	159.3	159.3	1,163	1,167.5	1,467.5	*	*	*	*	*	*
Americas II	80	80	80	520	780	820	850	850	920	960	1,070	5,070.0	6,140.0	*	*	*
Antillas I	5	5	10	20	20	60	60	90	90	90	90	302.5	302.5	*	*	*
Antilles Crossing	30	20	20	20	30	30	40	80	*	320	320	*	*	320.0	*	*
ARCOS-1	80	120	210	240	290	350	450	1,468	*	*	*	*	*	*	*	*
BAHAMAS II	2.5	2.5	2.5	2.5	2.5	60	60	60	60	60	60	100.0	100.0	*	*	*
Bahamas Internet Cable System (BICS)	12.5	12.5	12.5	22.5	22.5	20	40	60	60	100	278	469.0	466.0	706.0	716.0	916.0
BRUSA															144,000.0	144,000.0
CFX-1 Cable System (CFX-1)		100	110	500	560	610	1,040	1,580	*	*	*	*	*	*	*	*
Challenger Bermuda (CB-1)		20	20	20	20	20	20	20	*	*	*	*	*	*	*	*
Crosslake Fibre																
Curie																
Gemini Bermuda System		40	40	70	80	80	140	160	*	*	*	*	*	*	*	*
Global Caribbean Network (GCN)	20	20	20	20	40	40	40	60	70	*	140	140.0	140.0	*	140.0	260.0
GlobeNet	80	140	720	720	2,080	2,080	2,400	2,400	*	*	*	*	*	*	*	*
KetchCan1 Submarine Fiber Cable System																
Maya-1	65	145	145	145	145	145	145	980	*	*	*	*	*	*	*	*
Monet Cable System																
Pacific Caribbean Cable System (PCCS)									950	*	5,470	*	*	*	144,000.0	144,000.0
Pan American Cable System***	5	5	5.0	140	140	140	140	140	140	140	140	140.0	140.0	*	5,310.0	*
Pan American Crossing (PAC)	50	65	95	150	310	460	790	800	*	*	*	*	*	*	72,000.0	*
Seabras-1																
SMPR-1	2.5	2.5	2.5	2.5	2.6	3	3	10	10	*	10	*	*	*	*	*
South America-1 (SAM-1)	160	440	960	1,300	1,700	2,100	2,700	4,400	5,100	*	12,250	*	*	*	48,000.0	48,000.0
South American Crossing (SAC)	200	200	320	530	620	935	1,600	4,260	*	*	*	*	*	15,370.0	*	*
Taino-Carb	1.9	1.9	1.9	70	70	70	110	110	110	120	120	40,400.0	40,400.0	*	*	*
<b>Total</b>	<b>953.6</b>	<b>1,578.6</b>	<b>2,933.6</b>	<b>4,651.8</b>	<b>7,071.9</b>	<b>8,181.9</b>	<b>10,787.4</b>	<b>20,331</b>	<b>28,057.5</b>	<b>42,347.5</b>	<b>168,525.5</b>	<b>580,827.0</b>	<b>2,435,174.0</b>	<b>3,150,216.5</b>	<b>3,268,535.5</b>	<b>4,049,395.5</b>
<b>ATLANTIC REGION</b>																
AEConnect Cable Network									*	*	*	*	*	*	*	*
Amitié															0.0	384,000.0
Apollo Cable	1,280	2,280	2,860	3,100	3,150	3,420	3,510	6,100	*	*	*	*	*	*	*	*
Atlantic Crossing-1 (AC-1)	635	815	1,165	1,455	1,500	1,760	2,100	2,350	*	*	*	*	*	4,860.0	*	*
Dunant																
Columbus III ***	40	40	160	160	160	160	160	160	160	160	600.0	600.0	600.0	*	*	*
FLAG Atlantic-1	1,240	1,480	1,640	2,200	2,280	2,830	3,560	4,430	6,130	*	*	10,260.0	*	*	*	*
GTT Atlantic	360	360	360	360	2,000	2,750	3,750	14,400	*	*	*	13,800.0	*	*	*	*
Havfrue																
MAREA															178,000.0	178,000.0
TAT-14 ***	1,280	1,280	1,870	1,870	1,870	2,250	2,990	3,150	*	*	*	*	*	*	*	*
TGN Atlantic	460	1,040	1,460	1,560	1,770	2,810	3,010	3,420	6,310	*	*	*	*	*	*	*
Yellow	320	500	900	1,780	1,780	1,860	1,750	4,420	*	*	*	*	*	8,640.0	*	*
<b>Total</b>	<b>5,615</b>	<b>7,795</b>	<b>10,415</b>	<b>12,485</b>	<b>14,510</b>	<b>17,840</b>	<b>20,830</b>	<b>38,430</b>	<b>47,920</b>	<b>137,160</b>	<b>149,780</b>	<b>332,440.0</b>	<b>362,140.0</b>	<b>546,970.0</b>	<b>869,060.0</b>	<b>1,321,200.0</b>
<b>PACIFIC REGION</b>																
Asia America Gateway (AAG)			540	540	580	1,540	1,540	2,180	4,210	6,610	8,100	15,000.0	15,450.0	*	*	*
Australia-Japan Cable	160	520	520	520	640	1,200	1,480	1,760	*	*	*	*	*	10,360.0	*	*
FASTER Cable System																
GOKI Cable Network																
HANTRUI				40	40	40	40	20	*	*	*	*	*	*	*	*
Hawaiki Cable System																
Honouua Cable System				20	20	20	20	20	40	*	40	40.0	40.0	40.0	*	*
Japan-Guam-Australia (JGA) North System (JGA North)																
Japan-Guam-Australia (JGA) South System (JGA South)																
Japan-U.S. Cable Network	800	1,900	2,180	2,300	2,500	2,530	4,630	5,380	6,850	7,240	8,000	20,800.0	20,800.0	*	*	*
JUPITER																
New Cross-Pacific (NCP)																
Pacific Crossing-1 (PC-1)	360	960	1,030	1,430	1,800	1,800	2,900	2,780	*	*	*	*	*	*	*	*
Pacific Light Cable Network (PLCN)																
PPC-1			140	140	140	140	140	700	*	*	5,000	*	*	5,000.0	*	*
Samoa American Samoa Cable **			1	1	1	1	1	1	1.2	*	*	*	*	*	*	*
Southeast Asia-US (SEA-US)																
Southern Cross Cable Network	480	860	860	1,240	1,240	1,640	2,700	3,500	*	*	*	*	*	*	13,100.0	12,600.0
Southern Cross NEXT														0.0	0.0	6,200.0
Telstra Endeavour		80	80	160	300	300	600	580	*	*	*	*	*	*	*	*
TGN Pacific	1,880	2,760	3,140	3,140	3,140	3,660	4,350	5,520	6,430	*	*	*	*	*	*	*
Trans-Pacific Express (TPE) Cable Network		1,280	1,280	1,870	1,870	2,040	2,200	2,200	2,200	3,230	5,680	6,610.0	*	6,610.0	6,710.0	6,810.0
Unity Cable System				2,380	2,380	2,700	4,020	7,220	*	*	*	*	*	*	*	*
<b>Total</b>	<b>3,840</b>	<b>8,520</b>	<b>9,931</b>	<b>13,941</b>	<b>14,811</b>	<b>17,771</b>	<b>24,781</b>	<b>32,021</b>	<b>43,783</b>	<b>75,394</b>	<b>93,374</b>	<b>248,461.2</b>	<b>260,881.2</b>	<b>464,560.0</b>	<b>612,510.0</b>	<b>652,482.0</b>
<b>REGIONAL CAPACITY</b>																
Americas	953.6	1,578.6	2,933.6	4,651.8	7,071.9	8,181.9	10,787.4	20,331	28,057.5	42,347.5	168,525.5	580,827.0	2,435,174.0	3,150,216.5	3,268,535.5	4,049,395.5
Atlantic	6,015	8,195	10,815	12,885	15,640	19,090	22,580	38,430	47,920	137,160	149,780	332,440.0	362,140.0	546,970.0	869,060.0	1,321,200.0
Pacific	3,840	8,520	9,931	13,941	14,811	17,771	24,781	32,021	43,783	75,394	93,374	248,461.2	260,881.2	464,560.0	612,510.0	652,482.0
<b>Total</b>	<b>10,809</b>	<b>18,294</b>	<b>23,680</b>	<b>31,478</b>	<b>37,523</b>	<b>45,043</b>	<b>58,148</b>	<b>90,782</b>	<b>119,761</b>	<b>254,901.5</b>	<b>411,680</b>	<b>1,161,728.2</b>	<b>3,058,195.2</b>	<b>4,161,746.5</b>	<b>4,750,105.5</b>	<b>6,023,077.5</b>
<b>NUMBER OF CABLES IN SERVICE</b>																
Americas	16	19	19	19	19	19	19	20	21	21	22	24	25	27	26	
Atlantic	8	8	8	8	8	8	8	8	8	9	9	10	10	9	10	
Pacific	6	8	11	14	14	14	14	14	14	14	16	18	18	21	22	
<b>Total</b>	<b>30</b>	<b>35</b>	<b>38</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>47</b>	<b>52</b>	<b>53</b>	<b>57</b>	
<b>GROWTH RATE RELATIVE TO PREVIOUS YEAR</b>																
Americas		65.5%	85.8%	58.6%	52.0%	15.7%	31.8%	88.5%	38.0%	50.9%	298.0%	244.7%	319.3%	29.4%	3.8%	
Atlantic		36.2%	32.0%	19.1%	21.4%	22.1%	18.3%	70.2%	24.7%	186.2%	9.2%	122.0%	8.9%	51.0%	58.9%	
Pacific		121.9%	16.6%	40.4%	6.2%	20.0%	39.4%	29.2%	36.7%	72.2%	23.8%	166.1%	5.0%	78.1%	31.8%	
<b>Total</b>		<b>69.3%</b>	<b>29.4%</b>	<b>32.9%</b>	<b>19.2%</b>	<b>20.0%</b>	<b>29.1%</b>	<b>56.1%</b>	<b>31.9%</b>	<b>112.8%</b>	<b>61.5%</b>	<b>182.2%</b>	<b>163.2%</b>	<b>36.1%</b>	<b>14.1%</b>	
<b>COMPOUND ANNUAL GROWTH RATE FOR 2007-2021</b>																
Americas		78.9%														
Atlantic		42.7%														

CABLES	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Planned 2023
Pacific	43.7%															
<b>Total</b>	<b>54.4%</b>															
<b>FORECAST COMPOUND ANNUAL GROWTH RATE (2021-2023)</b>																
Americas	11.3%															
Atlantic	23.3%															
Pacific	3.2%															
<b>Total</b>	<b>12.6%</b>															
<p>* Filer requested confidential treatment of its Submarine Cable Operator Report data. Regional totals include both public and confidential data.</p> <p>** On July 16, 2020, the American Samoa-Hawaii segment of the American Samoa Hawaii Cable System was retired and taken out of commercial service. The Samoa-American Samoa segment remains in service and is now known as the Samoa American Samoa Cable. The name changed from American Samoa-Hawaii Cable to Samoa American Samoa Cable.</p> <p>*** We note that: (1) data as of 2007 to 2013 were extracted from the 2013 Section 43.82 Circuit Status Data Report; (2) TAT-14, Columbus III, and the Pan American Cable System were retired from service on December 15, 2020, December 18, 2020, and December 5, 2021, respectively; (3) the "number of cables in service" reflects the number of U.S.-international cables that were in service as of the end of the reporting period; (4) the large recent increase in Americas' capacity is strongly influenced by an increase in capacity to Canada; and (5) on December 28, 2018, the International Bureau released a revised Filing Manual and clarified the definition of "[a]vailable capacity, also known as design capacity, is all of the capacity (both lit and unlit capacity) on the cable as of the reporting date (December 31 of the reporting period)." International Bureau Releases Revised Filing Manual for Section 43.82 Circuit Capacity Reports, Public Notice, 33 FCC Rcd 12517 (2018); Filing Manual at 6, para. 28.</p>																

**Table 5**  
**Submarine Cable Capacity Holder Reports by Region (2021)**

Capacity Holders in Gbps Units								
Region	Owned Capacity (a)	Net IRUs (b)	Net Inter-Carrier Leaseholds (c)	Net Capacity Held (d)=(a)+(b)+(c)-(e)+(f)	Activated Capacity (e)	Non-Activated Capacity (f)	Activated % (g)	Non-Activated % (h)
Americas	3,131,366.1	-78,865.1	-38,099.7	3,014,401.3	114,566.9	2,899,834.4	3.8%	96.2%
Atlantic	873,260.0	-161,244.7	-54,614.6	657,400.7	256,367.0	401,033.7	39.0%	61.0%
Pacific	559,260.8	-8,441.8	-27,763.1	523,055.9	233,516.1	289,539.8	44.6%	55.4%
<b>Total</b>	<b>4,563,886.9</b>	<b>-248,551.6</b>	<b>-120,477.4</b>	<b>4,194,857.9</b>	<b>604,450.0</b>	<b>3,590,407.9</b>	<b>14.4%</b>	<b>85.6%</b>

The aggregate capacity holder data represent data for U.S.-international submarine cables that were in service as of the end of the reporting period.

In previous reports, capacity holder data were reported in STM-1 (Synchronous Transport Module level-1) units, which had been the standard commercial unit for the sale and leasing of capacity. Starting in 2019, all capacity holdings data are reported in gigabits per second (Gbps). The conversion ratio is 1 Gbps = 6.4 STM-1s.

**Table 6**  
**Comparison of Capacities Reported from Cable Operator Reports and Capacity Holder Reports (2021)**

<b>Region</b>	<b>Submarine Cable Operator Reports (Gbps) (Available Capacity)</b>	<b>Submarine Cable Capacity Holder Reports (Gbps) (Owned Capacity)</b>	<b>Discrepancy</b>	<b>Percent Captured by Holder Reports</b>	<b>Percent Not Captured by Holder Reports</b>
Americas	3,268,535.5	3,131,366.1	137,169.4	95.8%	4.2%
Atlantic	869,060.0	873,260.0	-4,200.0	100.5%	-0.5%
Pacific	612,510.0	559,260.8	53,249.2	91.3%	8.7%
<b>Total</b>	<b>4,750,105.5</b>	<b>4,563,886.9</b>	<b>186,218.6</b>	<b>96.1%</b>	<b>3.9%</b>

**Attachment A**  
**U.S.-International Submarine Cables – Landing Points**  
**by Region, Cable, and Foreign Landing Point as of December 31, 2021**

No.	Region	Cable Name	Foreign Landing Point
1	Americas	América Móvil Submarine Cable System (AMX1)	Brazil
2	Americas	América Móvil Submarine Cable System (AMX1)	Colombia
3	Americas	América Móvil Submarine Cable System (AMX1)	Dominican Republic
4	Americas	América Móvil Submarine Cable System (AMX1)	Guatemala
5	Americas	América Móvil Submarine Cable System (AMX1)	Mexico
6	Americas	AmeriCan-1	Canada
7	Americas	Americas II	Brazil
8	Americas	Americas II	Curaçao
9	Americas	Americas II	French Guiana
10	Americas	Americas II	Martinique
11	Americas	Americas II	Trinidad and Tobago
12	Americas	Americas II	Venezuela
13	Americas	Antillas 1	Dominican Republic
14	Americas	Antilles Crossing	Barbados
15	Americas	Antilles Crossing	Saint Lucia
16	Americas	ARCOS-1	Bahamas
17	Americas	ARCOS-1	Belize
18	Americas	ARCOS-1	Colombia
19	Americas	ARCOS-1	Costa Rica
20	Americas	ARCOS-1	Curaçao
21	Americas	ARCOS-1	Dominican Republic
22	Americas	ARCOS-1	Guatemala
23	Americas	ARCOS-1	Honduras
24	Americas	ARCOS-1	Mexico
25	Americas	ARCOS-1	Nicaragua
26	Americas	ARCOS-1	Panama
27	Americas	ARCOS-1	Turks and Caicos Islands
28	Americas	ARCOS-1	Venezuela
29	Americas	BAHAMAS II	Bahamas
30	Americas	Bahamas Internet Cable System (BICS)	Bahamas
31	Americas	BRUSA	Brazil
32	Americas	CFX-1 Cable System (CFX-1)	Colombia
33	Americas	CFX-1 Cable System (CFX-1)	Jamaica
34	Americas	Challenger Bermuda (CB-1)	Bermuda
35	Americas	Crosslake Fibre	Canada
36	Americas	Curie	Chile
37	Americas	Gemini Bermuda System	Bermuda
38	Americas	Global Caribbean Network (GCN)	Guadeloupe
39	Americas	Global Caribbean Network (GCN)	Saint Barthelemy
40	Americas	Global Caribbean Network (GCN)	Saint Martin
41	Americas	GlobeNet	Bermuda
42	Americas	GlobeNet	Brazil
43	Americas	GlobeNet	Colombia
44	Americas	GlobeNet	Venezuela
45	Americas	KetchCan1 Submarine Fiber Cable System	Canada
46	Americas	Maya-1	Cayman Islands
47	Americas	Maya-1	Colombia
48	Americas	Maya-1	Costa Rica
49	Americas	Maya-1	Honduras
50	Americas	Maya-1	Mexico
51	Americas	Maya-1	Panama
52	Americas	Monet Cable System	Brazil
53	Americas	Pacific Caribbean Cable System (PCCS)	Aruba
54	Americas	Pacific Caribbean Cable System (PCCS)	British Virgin Islands
55	Americas	Pacific Caribbean Cable System (PCCS)	Colombia

**Attachment A**  
**U.S.-International Submarine Cables – Landing Points**  
**by Region, Cable, and Foreign Landing Point as of December 31, 2021**

No.	Region	Cable Name	Foreign Landing Point
56	Americas	Pacific Caribbean Cable System (PCCS)	Ecuador
57	Americas	Pacific Caribbean Cable System (PCCS)	Panama
58	Americas	Pan American Crossing (PAC)	Costa Rica
59	Americas	Pan American Crossing (PAC)	Mexico
60	Americas	Pan American Crossing (PAC)	Panama
61	Americas	Pan American Crossing (PAC)	Venezuela
62	Americas	Seabras-1	Brazil
63	Americas	SMPR-1	Sint Maarten
64	Americas	South America-1 (SAM-1)	Argentina
65	Americas	South America-1 (SAM-1)	Brazil
66	Americas	South America-1 (SAM-1)	Chile
67	Americas	South America-1 (SAM-1)	Colombia
68	Americas	South America-1 (SAM-1)	Ecuador
69	Americas	South America-1 (SAM-1)	Guatemala
70	Americas	South America-1 (SAM-1)	Peru
71	Americas	South American Crossing (SAC)	Argentina
72	Americas	South American Crossing (SAC)	Brazil
73	Americas	South American Crossing (SAC)	Chile
74	Americas	South American Crossing (SAC)	Colombia
75	Americas	South American Crossing (SAC)	Panama
76	Americas	South American Crossing (SAC)	Peru
77	Americas	Taino-Carib	British Virgin Islands

No.	Region	Cable Name	Foreign Landing Point
1	Atlantic	AEConnect Cable Network	Iceland
2	Atlantic	AEConnect Cable Network	Ireland
3	Atlantic	Amitié	France
4	Atlantic	Amitié	United Kingdom
5	Atlantic	Apollo Cable	France
6	Atlantic	Apollo Cable	United Kingdom
7	Atlantic	Atlantic Crossing 1 (AC-1)	Germany
8	Atlantic	Atlantic Crossing 1 (AC-1)	Netherlands
9	Atlantic	Atlantic Crossing 1 (AC-1)	United Kingdom
10	Atlantic	Dunant	France
11	Atlantic	FLAG Atlantic-1	France
12	Atlantic	FLAG Atlantic-1	United Kingdom
13	Atlantic	GTT Atlantic	Canada
14	Atlantic	GTT Atlantic	Ireland
15	Atlantic	GTT Atlantic	United Kingdom
16	Atlantic	Havfrue	Denmark
17	Atlantic	Havfrue	Ireland
18	Atlantic	Havfrue	Norway
19	Atlantic	MAREA	Spain
20	Atlantic	TGN Atlantic	United Kingdom
21	Atlantic	Yellow	United Kingdom

No.	Region	Cable Name	Foreign Landing Point
1	Pacific	Asia America Gateway (AAG)	Brunei
2	Pacific	Asia America Gateway (AAG)	Hong Kong
3	Pacific	Asia America Gateway (AAG)	Malaysia
4	Pacific	Asia America Gateway (AAG)	Philippines
5	Pacific	Asia America Gateway (AAG)	Singapore
6	Pacific	Asia America Gateway (AAG)	Thailand

**Attachment A**  
**U.S.-International Submarine Cables – Landing Points**  
**by Region, Cable, and Foreign Landing Point as of December 31, 2021**

No.	Region	Cable Name	Foreign Landing Point
7	Pacific	Asia America Gateway (AAG)	Vietnam
8	Pacific	Australia-Japan Cable	Australia
9	Pacific	Australia-Japan Cable	Japan
10	Pacific	FASTER Cable System	Japan
11	Pacific	FASTER Cable System	Taiwan
12	Pacific	GOKI Cable Network	Japan
13	Pacific	HANTRUI	Federated States of Micronesia
14	Pacific	HANTRUI	Republic of the Marshall Islands
15	Pacific	Hawaiki Cable System	Australia
16	Pacific	Hawaiki Cable System	New Zealand
17	Pacific	Honotua Cable System	French Polynesia
18	Pacific	Japan-Guam-Australia (JGA) North System (JGA North)	Japan
19	Pacific	Japan-Guam-Australia (JGA) South System (JGA South)	Australia
20	Pacific	Japan-U S Cable Network	Japan
21	Pacific	JUPITER	Japan
22	Pacific	JUPITER	Philippines
23	Pacific	New Cross-Pacific (NCP)	China
24	Pacific	New Cross-Pacific (NCP)	Japan
25	Pacific	New Cross-Pacific (NCP)	South Korea
26	Pacific	New Cross-Pacific (NCP)	Taiwan
27	Pacific	Pacific Crossing-1 (PC-1)	Japan
28	Pacific	Pacific Light Cable Network (PLCN)	Philippines
29	Pacific	Pacific Light Cable Network (PLCN)	Taiwan
30	Pacific	PPC-1	Australia
31	Pacific	PPC-1	Papua New Guinea
32	Pacific	Samoa American Samoa Cable System	Samoa
33	Pacific	Southeast Asia-US (SEA-US)	Indonesia
34	Pacific	Southeast Asia-US (SEA-US)	Philippines
35	Pacific	Southern Cross Cable Network	Australia
36	Pacific	Southern Cross Cable Network	Fiji
37	Pacific	Southern Cross Cable Network	New Zealand
38	Pacific	Southern Cross NEXT	Australia
39	Pacific	Southern Cross NEXT	Fiji
40	Pacific	Southern Cross NEXT	Kiribati
41	Pacific	Southern Cross NEXT	New Zealand
42	Pacific	Southern Cross NEXT	Samoa
43	Pacific	Southern Cross NEXT	Tokelau
44	Pacific	Telstra Endeavour	Australia
45	Pacific	TGN Pacific	Japan
46	Pacific	Trans-Pacific Express (TPE) Cable Network	China
47	Pacific	Trans-Pacific Express (TPE) Cable Network	Japan
48	Pacific	Trans-Pacific Express (TPE) Cable Network	South Korea
49	Pacific	Trans-Pacific Express (TPE) Cable Network	Taiwan
50	Pacific	Unity Cable System	Japan
<b>148</b>	<b>Total Landing Points</b>		

Source: FCC records

**Attachment B**  
**U.S.-International Submarine Cables – Landing Points**  
**by Region, Foreign Landing Point, and Cable as of December 31, 2021**

No.	Region	Foreign Landing Point	Cable Name
1	Americas	Argentina	South America-1 (SAM-1)
2	Americas	Argentina	South American Crossing (SAC)
3	Americas	Aruba	Pacific Caribbean Cable System (PCCS)
4	Americas	Bahamas	ARCOS-1
5	Americas	Bahamas	BAHAMAS II
6	Americas	Bahamas	Bahamas Internet Cable System (BICS)
7	Americas	Barbados	Antilles Crossing
8	Americas	Belize	ARCOS-1
9	Americas	Bermuda	Challenger Bermuda (CB-1)
10	Americas	Bermuda	Gemini Bermuda System
11	Americas	Bermuda	GlobeNet
12	Americas	Brazil	América Móvil Submarine Cable System (AMX1)
13	Americas	Brazil	Americas II
14	Americas	Brazil	BRUSA
15	Americas	Brazil	GlobeNet
16	Americas	Brazil	Monet Cable System
17	Americas	Brazil	Seabras-1
18	Americas	Brazil	South America-1 (SAM-1)
19	Americas	Brazil	South American Crossing (SAC)
20	Americas	British Virgin Islands	Pacific Caribbean Cable System (PCCS)
21	Americas	British Virgin Islands	Taino-Carib
22	Americas	Canada	AmeriCan-1
23	Americas	Canada	Crosslake Fibre
24	Americas	Canada	KetchCan1 Submarine Fiber Cable System
25	Americas	Cayman Islands	Maya-1
26	Americas	Chile	Curie
27	Americas	Chile	South America-1 (SAM-1)
28	Americas	Chile	South American Crossing (SAC)
29	Americas	Colombia	América Móvil Submarine Cable System (AMX1)
30	Americas	Colombia	ARCOS-1
31	Americas	Colombia	CFX-1 Cable System (CFX-1)
32	Americas	Colombia	GlobeNet
33	Americas	Colombia	Maya-1
34	Americas	Colombia	Pacific Caribbean Cable System (PCCS)
35	Americas	Colombia	South America-1 (SAM-1)
36	Americas	Colombia	South American Crossing (SAC)
37	Americas	Costa Rica	ARCOS-1
38	Americas	Costa Rica	Maya-1
39	Americas	Costa Rica	Pan American Crossing (PAC)
40	Americas	Curaçao	Americas II
41	Americas	Curaçao	ARCOS-1
42	Americas	Dominican Republic	América Móvil Submarine Cable System (AMX1)
43	Americas	Dominican Republic	Antillas 1
44	Americas	Dominican Republic	ARCOS-1
45	Americas	Ecuador	Pacific Caribbean Cable System (PCCS)
46	Americas	Ecuador	South America-1 (SAM-1)
47	Americas	French Guiana	Americas II
48	Americas	Guadeloupe	Global Caribbean Network (GCN)
49	Americas	Guatemala	América Móvil Submarine Cable System (AMX1)
50	Americas	Guatemala	ARCOS-1
51	Americas	Guatemala	South America-1 (SAM-1)
52	Americas	Honduras	ARCOS-1
53	Americas	Honduras	Maya-1
54	Americas	Jamaica	CFX-1 Cable System (CFX-1)

**Attachment B**  
**U.S.-International Submarine Cables – Landing Points**  
**by Region, Foreign Landing Point, and Cable as of December 31, 2021**

No.	Region	Foreign Landing Point	Cable Name
55	Americas	Martinique	Americas II
56	Americas	Mexico	América Móvil Submarine Cable System (AMX1)
57	Americas	Mexico	ARCOS-1
58	Americas	Mexico	Maya-1
59	Americas	Mexico	Pan American Crossing (PAC)
60	Americas	Nicaragua	ARCOS-1
61	Americas	Panama	ARCOS-1
62	Americas	Panama	Maya-1
63	Americas	Panama	Pacific Caribbean Cable System (PCCS)
64	Americas	Panama	Pan American Crossing (PAC)
65	Americas	Panama	South American Crossing (SAC)
66	Americas	Peru	South America-1 (SAM-1)
67	Americas	Peru	South American Crossing (SAC)
68	Americas	Saint Barthelemy	Global Caribbean Network (GCN)
69	Americas	Saint Lucia	Antilles Crossing
70	Americas	Saint Martin	Global Caribbean Network (GCN)
71	Americas	Sint Maarten	SMPR-1
72	Americas	Trinidad and Tobago	Americas II
73	Americas	Turks and Caicos Islands	ARCOS-1
74	Americas	Venezuela	Americas II
75	Americas	Venezuela	ARCOS-1
76	Americas	Venezuela	GlobeNet
77	Americas	Venezuela	Pan American Crossing (PAC)
No.	Region	Foreign Landing Point	Cable Name
1	Atlantic	Canada	GTT Atlantic
2	Atlantic	Denmark	Havfrue
3	Atlantic	France	Amitié
4	Atlantic	France	Apollo Cable
5	Atlantic	France	Dunant
6	Atlantic	France	FLAG Atlantic-1
7	Atlantic	Germany	Atlantic Crossing 1 (AC-1)
8	Atlantic	Iceland	AEConnect Cable Network
9	Atlantic	Ireland	AEConnect Cable Network
10	Atlantic	Ireland	GTT Atlantic
11	Atlantic	Ireland	Havfrue
12	Atlantic	Netherlands	Atlantic Crossing 1 (AC-1)
13	Atlantic	Norway	Havfrue
14	Atlantic	Spain	MAREA
15	Atlantic	United Kingdom	Amitié
16	Atlantic	United Kingdom	Apollo Cable
17	Atlantic	United Kingdom	Atlantic Crossing 1 (AC-1)
18	Atlantic	United Kingdom	FLAG Atlantic-1
19	Atlantic	United Kingdom	GTT Atlantic
20	Atlantic	United Kingdom	TGN Atlantic
21	Atlantic	United Kingdom	Yellow
No.	Region	Foreign Landing Point	Cable Name
1	Pacific	Australia	Australia-Japan Cable
2	Pacific	Australia	Hawaiki Cable System
3	Pacific	Australia	Japan-Guam-Australia (JGA) South System
4	Pacific	Australia	PPC-1
5	Pacific	Australia	Southern Cross Cable Network
6	Pacific	Australia	Southern Cross NEXT

**Attachment B**  
**U.S.-International Submarine Cables – Landing Points**  
**by Region, Foreign Landing Point, and Cable as of December 31, 2021**

No.	Region	Foreign Landing Point	Cable Name
7	Pacific	Australia	Telstra Endeavour
8	Pacific	Brunei	Asia America Gateway (AAG)
9	Pacific	China	New Cross-Pacific (NCP)
10	Pacific	China	Trans-Pacific Express (TPE) Cable Network
11	Pacific	Federated States of Micronesia	HANTRU1
12	Pacific	Fiji	Southern Cross Cable Network
13	Pacific	Fiji	Southern Cross NEXT
14	Pacific	French Polynesia	Honotua Cable System
15	Pacific	Hong Kong	Asia America Gateway (AAG)
16	Pacific	Indonesia	Southeast Asia-US (SEA-US)
17	Pacific	Japan	Australia-Japan Cable
18	Pacific	Japan	FASTER Cable System
19	Pacific	Japan	GOKI Cable Network
20	Pacific	Japan	Japan-Guam-Australia (JGA) North System
21	Pacific	Japan	Japan-U S Cable Network
22	Pacific	Japan	JUPITER
23	Pacific	Japan	New Cross-Pacific (NCP)
24	Pacific	Japan	Pacific Crossing-1 (PC-1)
25	Pacific	Japan	TGN Pacific
26	Pacific	Japan	Trans-Pacific Express (TPE) Cable Network
27	Pacific	Japan	Unity Cable System
28	Pacific	Kiribati	Southern Cross NEXT
29	Pacific	Malaysia	Asia America Gateway (AAG)
30	Pacific	New Zealand	Hawaiki Cable System
31	Pacific	New Zealand	Southern Cross Cable Network
32	Pacific	New Zealand	Southern Cross NEXT
33	Pacific	Papua New Guinea	PPC-1
34	Pacific	Philippines	Asia America Gateway (AAG)
35	Pacific	Philippines	JUPITER
36	Pacific	Philippines	Pacific Light Cable Network (PLCN)
37	Pacific	Philippines	Southeast Asia-US System (SEA-US)
38	Pacific	Republic of the Marshall Islands	HANTRU1
39	Pacific	Samoa	Samoa American Samoa Cable System
40	Pacific	Samoa	Southern Cross NEXT
41	Pacific	Singapore	Asia America Gateway (AAG)
42	Pacific	South Korea	New Cross-Pacific (NCP)
43	Pacific	South Korea	Trans-Pacific Express (TPE) Cable Network
44	Pacific	Taiwan	FASTER Cable System
45	Pacific	Taiwan	New Cross-Pacific (NCP)
46	Pacific	Taiwan	Pacific Light Cable Network (PLCN)
47	Pacific	Taiwan	Trans-Pacific Express (TPE) Cable Network
48	Pacific	Thailand	Asia America Gateway (AAG)
49	Pacific	Tokelau	Southern Cross NEXT
50	Pacific	Vietnam	Asia America Gateway (AAG)
<b>148</b>	<b>Total Landing Points</b>		

Source: FCC records

**Attachment C**  
**U.S.-International Submarine Cables – Landing Points**  
**by Number of Landing Points Per Country and Region**  
**as of December 31, 2021**

No. of Landing Points Per Country	Country	Region
11	Japan	Pacific
8	Brazil	Americas
8	Colombia	Americas
7	Australia	Pacific
7	United Kingdom	Atlantic
5	Panama	Americas
4	France	Atlantic
4	Mexico	Americas
4	Philippines	Pacific
4	Taiwan	Pacific
4	Venezuela	Americas
3	Bahamas	Americas
3	Bermuda	Americas
3	Canada	Americas
3	Chile	Americas
3	Costa Rica	Americas
3	Dominican Republic	Americas
3	Guatemala	Americas
3	Ireland	Atlantic
3	New Zealand	Pacific
2	Argentina	Americas
2	British Virgin Islands	Americas
2	China	Pacific
2	Curaçao	Americas
2	Ecuador	Americas
2	Fiji	Pacific
2	Honduras	Americas
2	Peru	Americas
2	Samoa	Pacific
2	South Korea	Pacific
1	Aruba	Americas
1	Barbados	Americas
1	Belize	Americas
1	Brunei	Pacific
1	Canada	Atlantic
1	Cayman Islands	Americas
1	Denmark	Atlantic
1	Federated States of Micronesia	Pacific
1	French Guiana	Americas

No. of Landing Points Per Country	Country	Region
1	French Polynesia	Pacific
1	Germany	Atlantic
1	Guadeloupe	Americas
1	Hong Kong	Pacific
1	Iceland	Atlantic
1	Indonesia	Pacific
1	Jamaica	Americas
1	Kiribati	Pacific
1	Malaysia	Pacific
1	Martinique	Americas
1	Netherlands	Atlantic
1	Nicaragua	Americas
1	Norway	Atlantic
1	Papua New Guinea	Pacific
1	Republic of the Marshall Islands	Pacific
1	Saint Barthelemy	Americas
1	Saint Lucia	Americas
1	Saint Martin	Americas
1	Singapore	Pacific
1	Sint Maarten	Americas
1	Spain	Atlantic
1	Thailand	Pacific
1	Tokelau	Pacific
1	Trinidad and Tobago	Americas
1	Turks and Caicos Islands	Americas
1	Vietnam	Pacific

Source: FCC Records

**Frequency Table  
Summarizing Foreign Landing Points Per Country**

No. of Landing Points Per Country	Number of Countries Per Region		
	Americas	Atlantic	Pacific
1	15	7	13
2	6		4
3	7	1	1
4	2	1	2
5	1		
6			
7		1	1
8	2		
9			
10			
11			1

Source: FCC Records