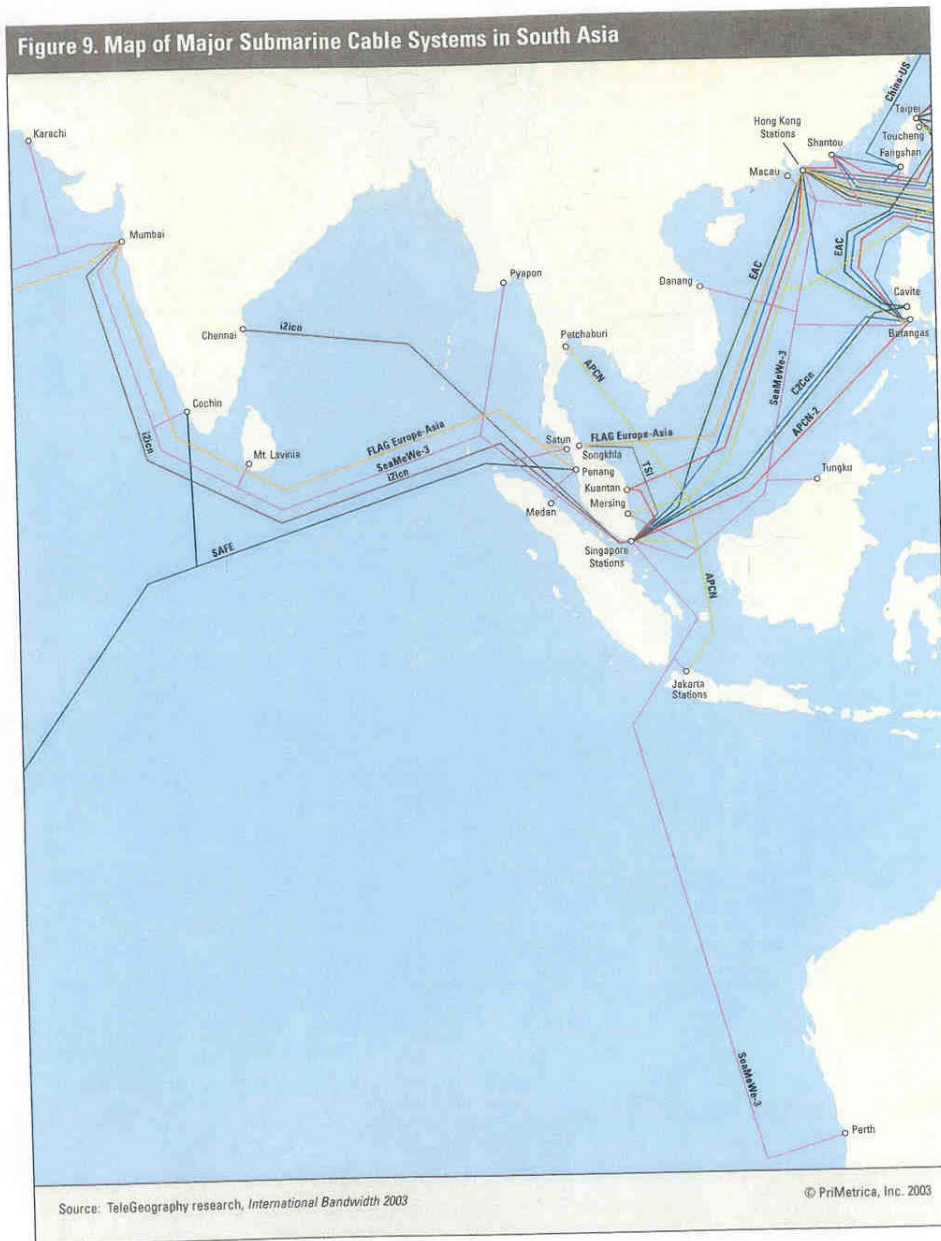


International Telecommunications Facilities and Prices

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CITI

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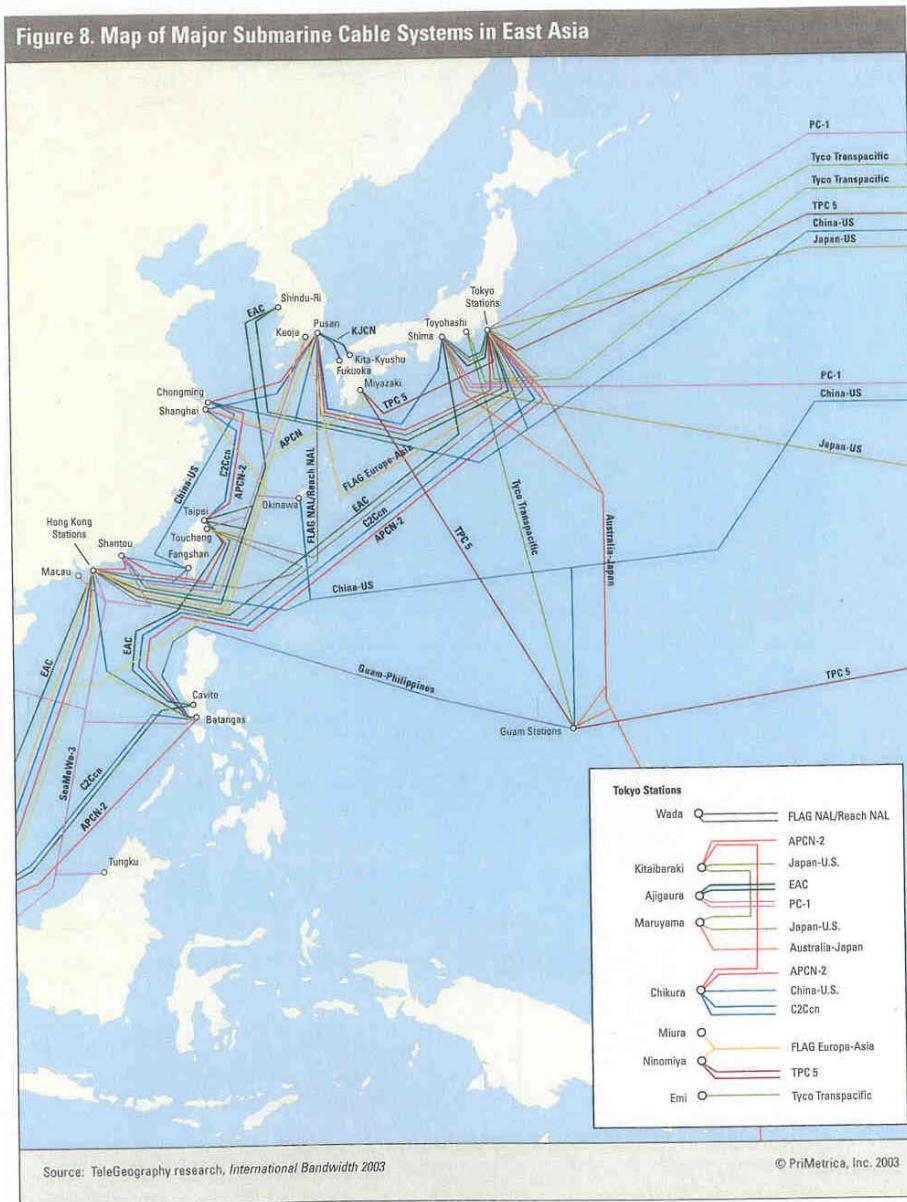


Major Submarine Cable Systems - South Asia.

Source: TeleGeography research,
International Bandwidth 2003.

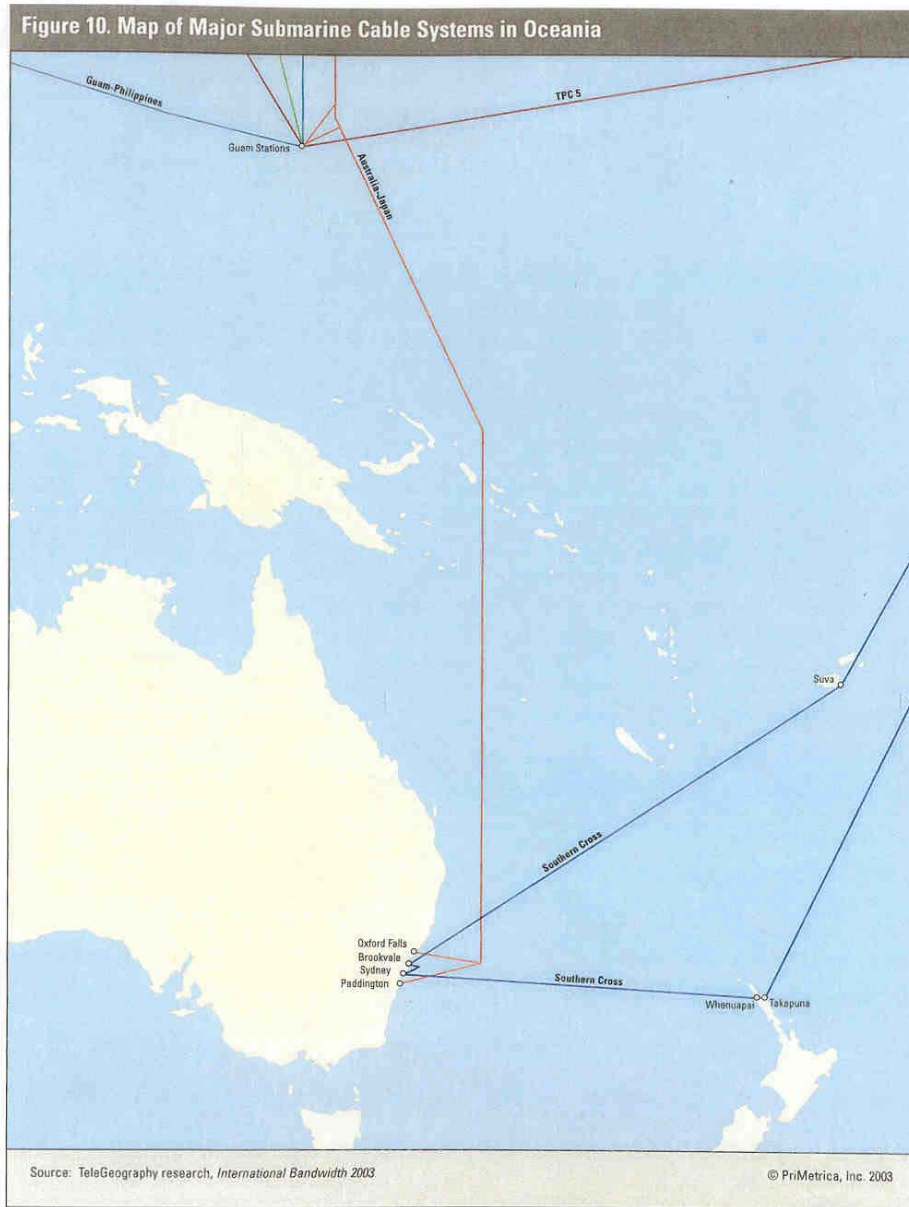
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Figure 8. Map of Major Submarine Cable Systems in East Asia



Major Submarine Cable Systems - East Asia.

Source: TeleGeography research,
International Bandwidth 2003.

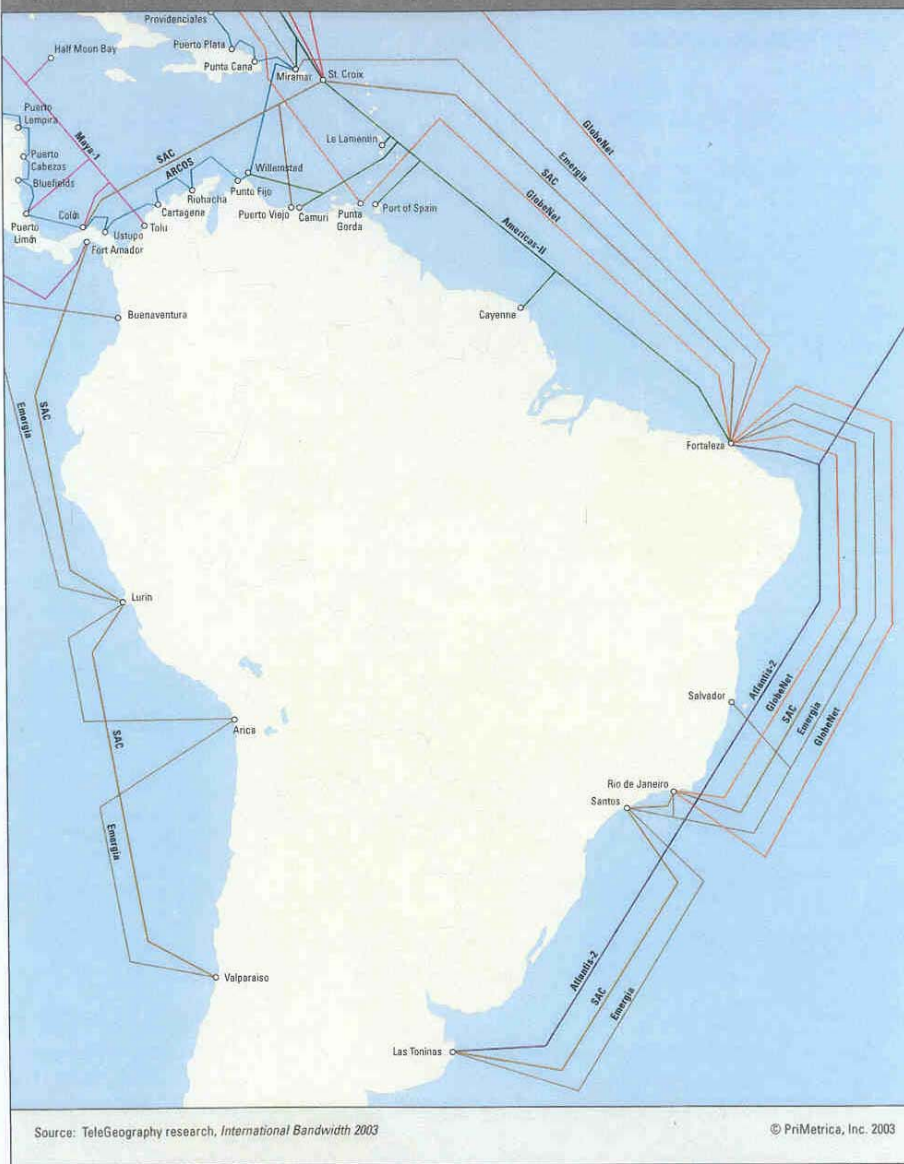


Major Submarine Cable Systems - Oceania.

Source: TeleGeography research,
International Bandwidth 2003.

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Figure 5. Map of Major Submarine Cable Systems in South America & Caribbean



Major Submarine Cable Systems - South America.

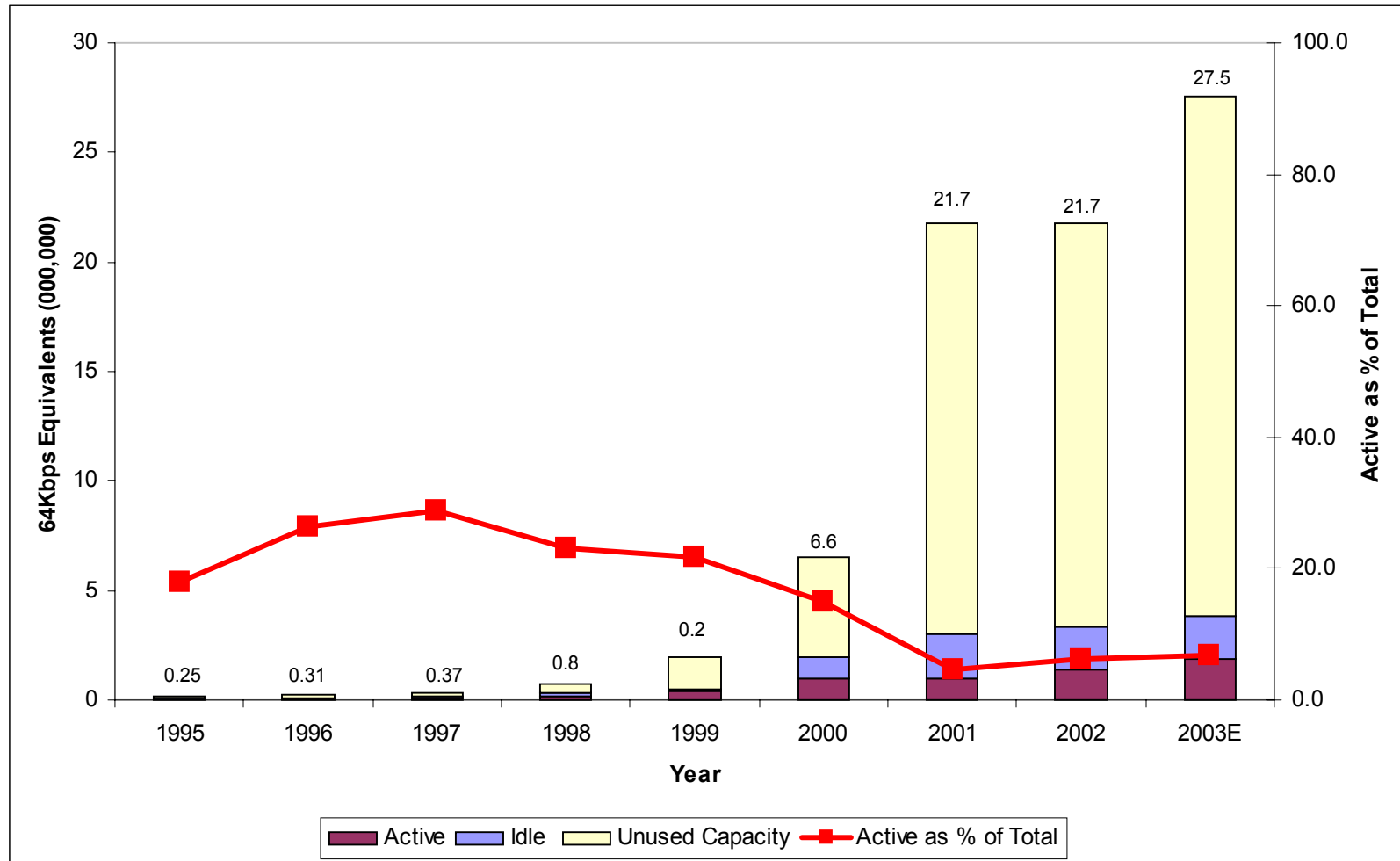
Source: TeleGeography research,
International Bandwidth 2003.

Trans-Atlantic Cables

Cable Name	Cost	Gbps	Circuits	Cost/Ckt	Service Date
TATs 8,9,10,11	\$1,346,000,000		68,040	\$19,782	retired 2002,03
TAT 12/13	\$756,000,000	30	468,750	\$1,613	Sep-96
AC-1	\$750,000,000	140	2,187,500	\$343	May-98
Columbus III	\$236,000,000	40	625,000	\$378	Dec-99
Level 3/AC2	\$600,000,000	1280	20,000,000	\$30	
TAT 14	\$1,500,000,000	640	10,000,000	\$150	Apr-01
FLAG-1	\$1,200,000,000	2,400	37,500,000	\$32	Jun-01
Hibernia Atlantic	\$630,000,000	1280	20,000,000	\$32	Apr-01
Tyco Atlantic	Not Reported	2560	40,000,000		Jun-01
Apollo	\$1,200,000,000	6400	100,000,000	\$12	Jan-03

Source: FCC 2002 Circuit Status Report

Trans-Atlantic Submarine Cable Capacity



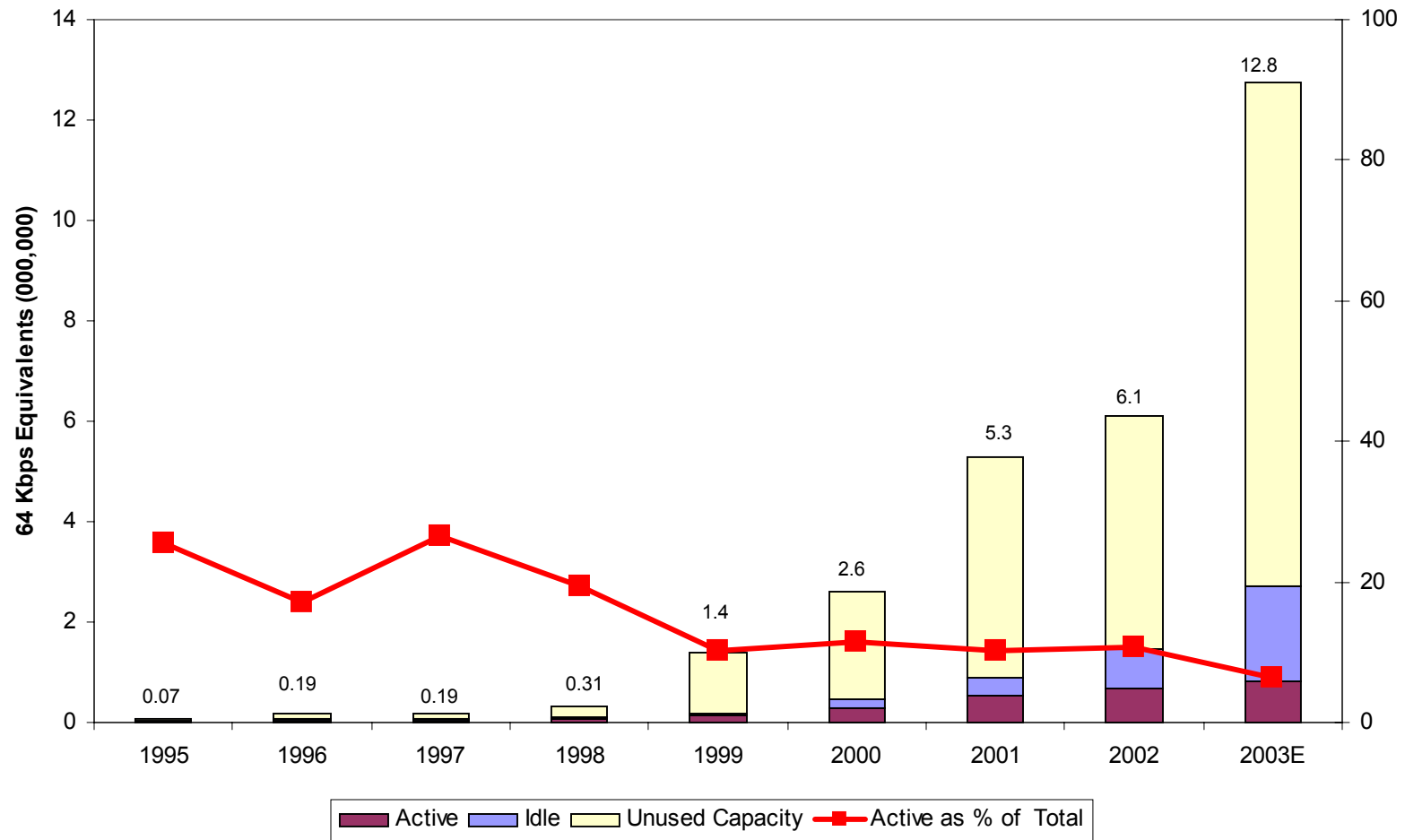
Source: FCC 2002 Circuit Status Report

Trans-Pacific Cables

Cable Name	Cost	Gbps	Circuits	Cost/Ckt	Service Date
HAW 4/TPC 3	\$601,000,000		7,560	\$79,497	retired 2003
TPC 5	\$1,240,000,000	20	312,500	\$3,968	
PC-1	\$1,200,000,000	640	10,000,000	\$120	Dec-99
China-US	\$1,100,000,000	80	1,250,000	\$880	Jan-00
Southern Cross	\$800,000,000	480	7,500,000	\$107	Nov-00
Japan-US	\$1,000,000,000	640	10,000,000	\$100	Sep-01
Tyco Pacific	\$1,700,000,000	5120	80,000,000	\$21	Dec-02
FLAG Pacific	\$1,200,000,000	5120	80,000,000	\$15	Abandoned
360 Networks	\$1,200,000,000	3840	60,000,000	\$20	Abandoned

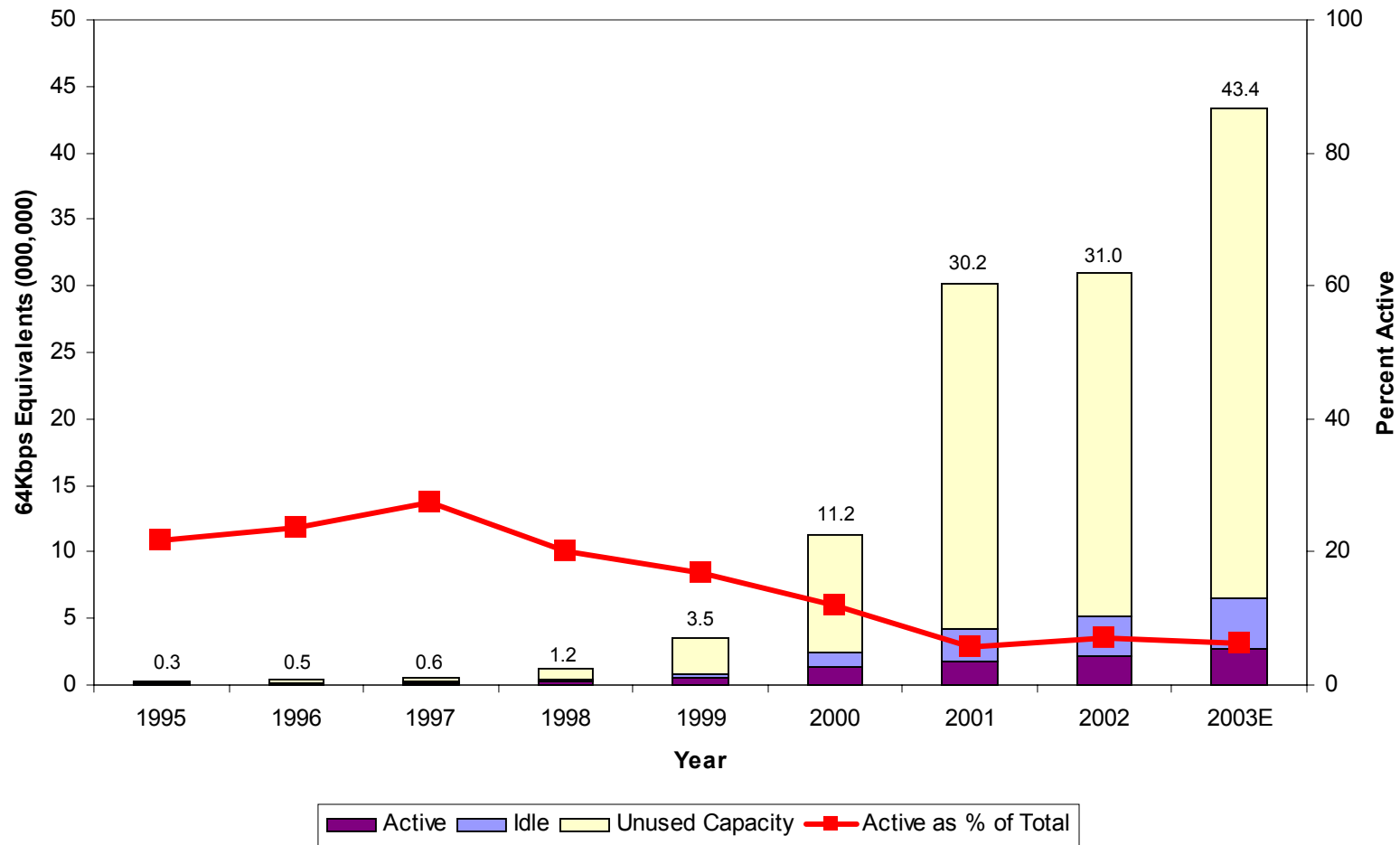
Source: FCC 2002 Circuit Status Report

Trans-Pacific Submarine Cable Capacity



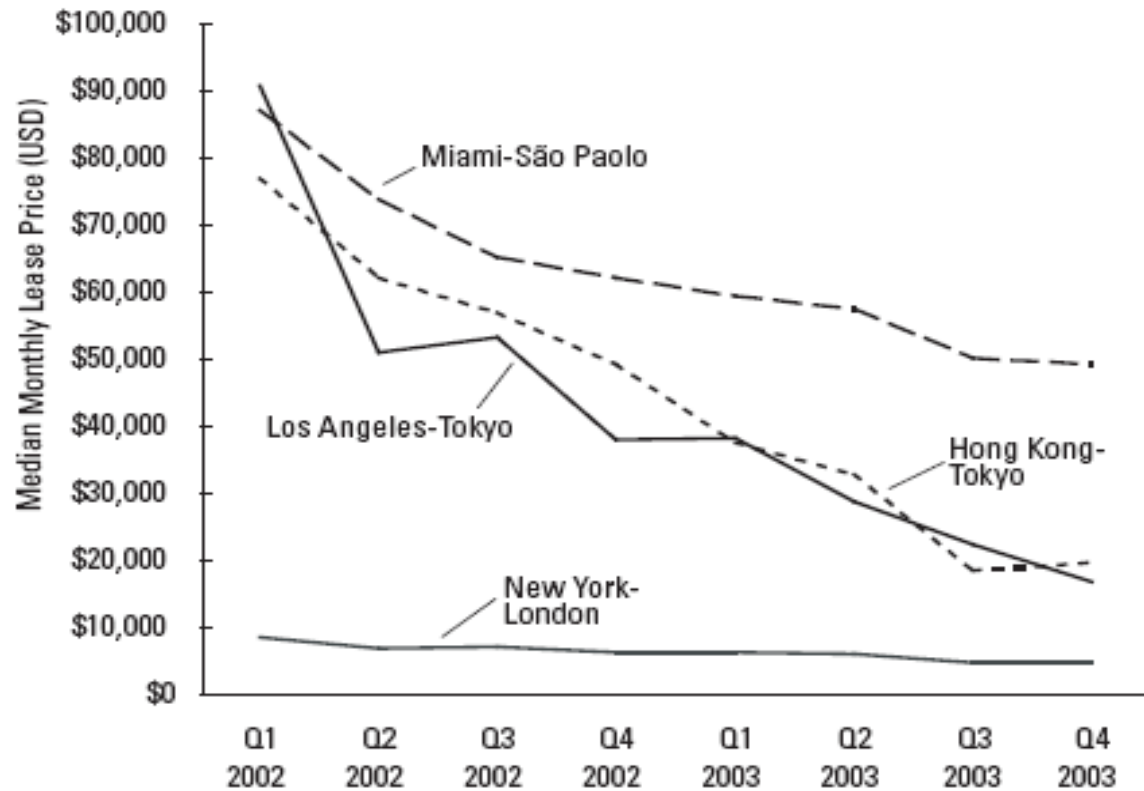
Source: FCC 2002 Circuit Status Report

Global Submarine Cable Capacity



Source: FCC 2002 Circuit Status Report

STM-1 Price Trends 2002-2003

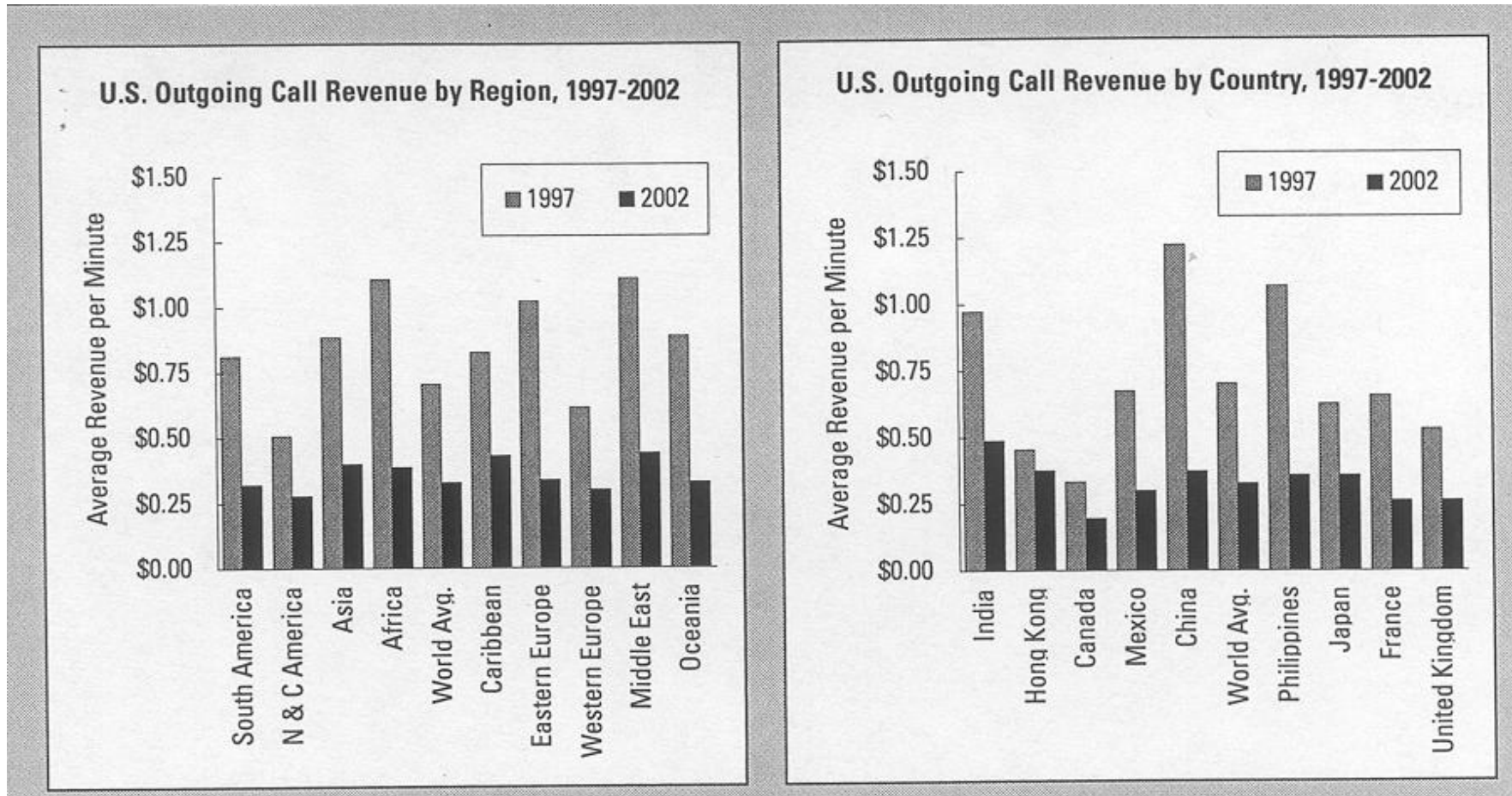


Notes: 1) Prices are median monthly lease excluding installation fees;

2) STM-1= 51.8 Mbps / 672 voice circuits

Source: Telegeography

International Telephone Pricing



Source: FCC carrier filings and TeleGeography 2003