

# Chapter 15

## Transportation and Communication Statistics

### Summary of Transportation & Communication Statistics

This chapter presents transportation and communication statistics. Transportation looks at ocean cargo vessels and commercial air flights. Communication looks at number of telephone and internet users.

#### Transportation

Inbound cargo carried by ocean cargo vessels in 2003 decreased from the 2001 and 2002 figures. In 2003, total revenue tonnage for inbound cargo was 110,887, about 8,462 below the previous year's level.

The total number of commercial flights in 2003 into Palau was 1,150 with a total of 908,430 pounds of cargo discharged and 1,956,699 cargo loaded.

According to the Bureau of Public Safety, the total number of registered vehicles in Palau declined from 7,329 in 2002 to 4,724 in 2003.

#### Communication

The number of telephone line subscribers increased in 2003 by 4,200. The new long distance (out-of-Palau calls) rate of \$0.99 per minute became effective on April 10, 2003. The non-chargeable internet rate per hour doubled for the Basic Email, Bronze, Silver, Gold and Platinum Plans.

Palau receives more than 100 thousand revenue tons from ocean cargo carriers annually, while annual outbound shipments are approximately 10 thousand revenue tons. Most years, the quarterly totals are spread fairly evenly throughout the year. In first quarter 2003, however, Palau saw 4.5 thousand outbound revenue tons and 35.7 inbound revenue tons.

Figure 15.1 Ocean Cargo Carriers Statistics: 2003

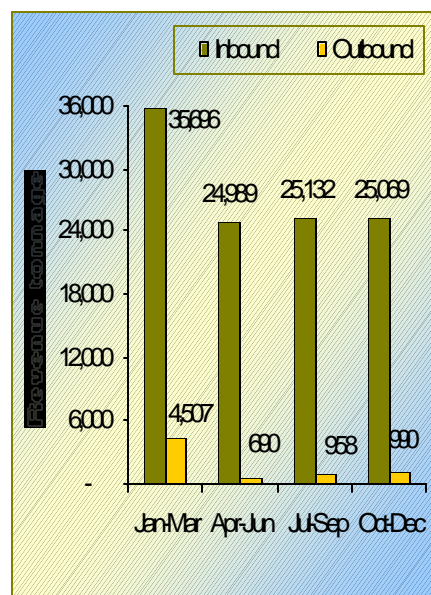


Table 15.1 Ocean Cargo Carriers Statistics by Quarter: 1999 to 2003 (Revenue Tonnage)

	In Bound	Out Bound
<b>1999</b>		
<b>Total</b>	<b>106,723.23</b>	<b>9,497.39</b>
Jan-Mar	20,586.24	2,427.87
Apr-Jun	22,316.45	2,984.75
Jul-Sep	28,471.53	2,621.52
Oct-Dec	35,349.01	1,463.24
<b>2000</b>		
<b>Total</b>	<b>317,206.54</b>	<b>4,102.95</b>
Jan-Mar	187,305.93	943.43
Apr-Jun	67,017.97	1,570.72
Jul-Sep	27,229.83	710.58
Oct-Dec	35,652.81	878.22
<b>2001</b>		
<b>Total</b>	<b>123,786.53</b>	<b>9,413.46</b>
Jan-Mar	29,152.06	1,029.01
Apr-Jun	31,848.96	4,436.65
Jul-Sep	26,522.55	2,418.02
Oct-Dec	36,262.97	1,529.78
<b>2002</b>		
<b>Total</b>	<b>119,349.18</b>	<b>10,557.56</b>
Jan-Mar	32,916.69	2,795.36
Apr-Jun	22,098.66	2,804.14
Jul-Sep	37,065.42	2,064.99
Oct-Dec	27,268.41	2,893.07
<b>2003</b>		
<b>Total</b>	<b>110,886.70</b>	<b>7,145.23</b>
Jan-Mar	35,695.85	4,506.68
Apr-Jun	24,989.17	690.21
Jul-Sep	25,132.36	958.08
Oct-Dec	25,069.32	990.27

Source: Division of Transportation, Ministry of Commerce and Trade

**Table 15.2 Airline Activities Statistics at Palau International Airport by Quarter: 1999 to 2001**

Airline Activities	1999	2000	2001
	Total	Total	Total
<b>Total</b>			
No. of Flights	958	831	854
Passengers Deplaned	61,578	65,855	64,145
Passengers Enplaned	62,990	68,187	61,478
Fuel Supplied (gals.)	673,044	1,564,302	1,147,846
Cargo Discharged (lbs.)	1,399,953	1,268,167	953,350
Cargo Loaded (lbs.)	3,317,553	3,060,893	1,866,972
<b>Commercial</b>			
No. of Flights	899	786	791
Passengers Deplaned	61,511	65,852	64,143
Passengers Enplaned	62,932	68,184	61,472
Fuel Supplied (gal.)	565,668	1,509,088	1,023,411
Cargo Discharged (lbs.)	1,399,953	1,266,604	953,350
Cargo Loaded (lbs.)	3,317,553	3,047,440	1,866,972
<b>Private &amp; Military</b>			
No. of Flights	59	45	63
Passengers Deplaned	67	3	2
Passengers Enplaned	58	3	6
Fuel Supplied (gal.)	107,376	55,214	124,435
Cargo Discharged (lbs.)	-	1,563	-
Cargo Loaded (lbs.)	-	13,453	-

Source: Division of Transportation, Ministry of Commerce and Trade, Republic of Palau

More than 60,000 passengers come to Palau each year on more than 800 flights. Cargo loaded always exceeds cargo discharged because of fish exports.

**Table 15.2a Commercial Airline Activities Statistics: 2002**

	2002				
	Total	Continental	Japan	Far Eastern	PAIR/Mandarin
No. of Flights	833	626	72	123	12
Passengers Deplaned	68,542	46,974	5,541	15,015	1,012
Passengers Enplaned	68,844	46,130	6,931	14,893	890
Fuel Supplied (gals.)	1,103,369	533,116	314,374	227,426	28,453
Cargo Discharged (lbs.)	1,673	1,673	-	-	-
Cargo Loaded (lbs.)	960,436	960,436	-	-	-

Source: Division of Transportation, Ministry of Commerce and Trade

Continental Air Micronesia remains by far the largest commercial carrier, both in terms of flights and passengers.

**Table 15.2a Commercial Airline Activities Statistics: 2002**

	2002					
	Total	Private APA/CTSI	Private Flight	FAA Flight	Military Flight	New Zealand Air Force
No. of Flights	97	13	37	3	43	1
Passengers Deplaned	21	-	21	-	-	-
Passengers Enplaned	18	-	18	-	-	-
Fuel Supplied (gals.)	133,267	4,339	47,712	3,058	78,158	-
Cargo Discharged (lbs.)	213,679	213,679	-	-	-	-
Cargo Loaded (lbs.)	3,019	3,019	-	-	-	-

Source: Division of Transportation, Ministry of Commerce and Trade

15.2b Commercial Airline Activities Statistics by Month: 2003

Month	Number of Flights	Passenger Deplaned	Passenger Enplaned	Fuel Supplied (gals.)	Cargo Discharged (lbs.)	Cargo Loaded (lbs.)
<b>Total</b>	<b>1,150</b>	<b>80,017</b>	<b>78,608</b>	<b>1,144,339</b>	<b>908,430</b>	<b>1,956,699</b>
January	90	6,939	6,294	122,483	92,924	147,325
February	85	7,155	7,001	140,878	76,773	60,448
March	86	7,095	6,880	115,205	76,598	92,120
April	78	5,324	5,423	2,775	102,545	237,843
May	78	4,924	3,864	-	70,549	220,588
June	74	3,622	3,216	47,877	76,849	248,822
July	90	7,188	8,073	110,013	75,693	209,852
August	105	9,402	8,864	147,089	81,968	369,081
September	117	7,554	7,944	141,428	95,477	186,320
October	146	6,739	6,364	129,799	86,800	17,568
November	93	6,601	6,770	68,682	72,254	166,732
December	108	7,474	7,915	118,110	-	-

Source: Division of Transportation, Ministry of Commerce and Trade

Figure 15.2 Cargo Discharged &amp; Loaded at Palau International Airport: 2002 &amp; 2003

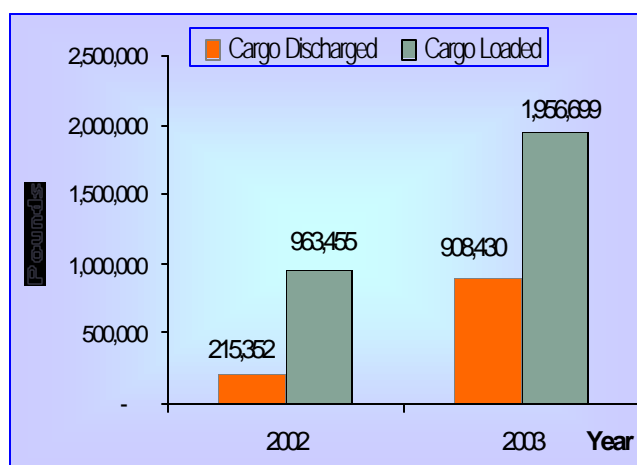


Table 15.3 Vehicle Registration by State and Year: 1997 to 2003 (Numbers)

Name of State	Y E A R S						
	1997	1998	1999	2000	2001	2002	2003
<b>Total</b>	<b>4,243</b>	<b>4,868</b>	<b>5,794</b>	<b>5,460</b>	<b>4,452</b>	<b>7,329</b>	<b>4,724</b>
Aimeliik	44	37	41	48	52	129	68
Airai	325	462	575	707	869	1,292	594
Angaur	7	1	2	1	51	54	35
Kayangel	-	-	-	-	1	-	1
Koror	3,579	4,079	4,784	4,299	2,890	5,021	3,543
Melekeok	38	43	41	52	96	90	56
Ngaraard	10	8	41	48	113	126	85
Ngardmau	5	4	12	10	21	65	12
Ngatpang	40	32	54	43	40	83	57
Ngchesar	31	60	75	53	61	74	39
Ngerchelong	22	27	27	24	77	42	66
Ngeremlengui	28	38	78	87	65	109	72
Ngiwal	5	5	32	31	50	89	50
Peleliu	109	72	32	57	66	155	46

Koror has the largest number of registered vehicles, Kayangel the fewest. About 5,000 vehicles are registered each year in the republic.

Source: Bureau of Public Safety, Ministry of Justice, Republic of Palau

Note: Vehicle Registration does not include National, State and Semi- Government vehicles.

Figure 15.3 Registered Vehicles in Palau: 1997 to 2003

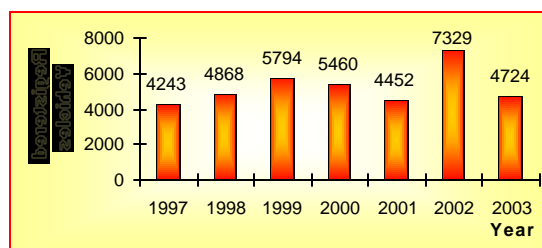


Table 15.4 Revenues from Internal and External Communication Transactions: 1999 to 2003

Communication Transactions	1999	2000	2001	2002	2003
<b>Total Revenues</b>	<b>7,144,884</b>	<b>4,210,952</b>	<b>5,079,980</b>	<b>5,244,041</b>	<b>5,381,431</b>
Palaunet Use	578,769	643,548	904,565	1,014,796	1,057,820
Long Distance Calls	3,643,340	2,332,731	2,967,912	3,026,636	2,725,376
Local Telephone Lines	2,922,775	1,234,673	1,207,503	1,202,609	1,598,235

Source: Palau National Communications Corporation, Republic of Palau

Note: Inter-State calls ended in 1996; Telex service was discontinued in July 1996;

Palaunet was established in March 1997.

Approximately \$5 million in revenues come from communication transactions. Internet use currently contributes about \$1 million, long distance phone calls more than \$2.5 million, and local telephone lines more than \$1.5 million.

Table 15.5 Internal and External Communication Transactions

Communication Transactions	Palaunet Use (No. of subscribers)	Long Distance Calls (in minutes)	Local Telephone Lines No. of subscribers)
<b>1999</b>			
Total Revenues (\$)	578,769	3,643,340	2,922,775
Subscribers	799	1,457,461	6,151
Average per subscriber (\$)	724.4	2.5	475.2
<b>2000</b>			
Total Revenues (\$)	643,548	2,332,731	1,234,673
Subscribers	1,159	707,939	9,050
Average per subscriber (\$)	555.3	3.3	136.4
<b>2001</b>			
Total Revenues (\$)	904,565	2,967,912	1,207,503
Subscribers	914	647,823	8,398
Average per subscriber (\$)	989.7	4.6	143.8
<b>2002</b>			
Total Revenues (\$)	1,014,796	3,026,636	1,202,609
Subscribers	1,836	479,070	6,621
Average per subscriber (\$)	552.7	6.3	181.6
<b>2003</b>			
Total Revenues (\$)	1,057,820	2,725,376	1,598,235
Subscribers	1,639	88,622	10,821
Average per subscriber (\$)	645.41	30.75	147.7

Source: Palau National Communications Corporation, Republic of Palau

Figure 15.4 Local Telephone Line Subscribers: 1999 to 2003

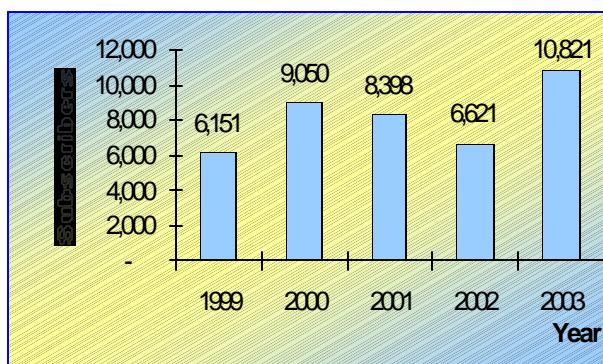


Table 15.6 Internal and External Communication Service Charges

Communications Service	Amount Charged ( \$ )			
	2000	2001	2002	2003
<b>Telephone Service</b>				
<i>Service Charge</i>				
Standard Installation	20.00	20.00	20.00	20.00
Number changing*	5.00	5.00	5.00	5.50
Transfer/Relocation/Extension*	10.00	10.00	10.00	11.00
Reconnection*	5.00	5.00	5.00	5.50
<i>Local Call</i>				
Charge per call (minute)	Free	Free	Free	Free
<i>International Call</i>				
Charge per call (minute) ** (USA, Canada, Japan, China, Taiwan, Philippines, Guam, CNMI)	1.50/min.	1.50/min.	1.50/min.	.99/min.
<b>Internet e-mail and Web site</b>				
<i>Dial access service charge</i>				
Basic Email w/ out Internet	15.00	15.00	15.00	15.00
Basic Email /1	15.00	15.00	15.00	15.00
Bronze Plan /2	15.00	15.00	15.00	29.95
Silver Plan /3	15.00	15.00	15.00	99.00
Gold Plan /4	15.00	15.00	15.00	250.00
Platinum /5	15.00	15.00	15.00	500.00
Connection Fee	10.00	10.00	10.00	10.00
File transfer charges***	0.40/ 100 KB	0.40/ 100 KB	0.40/ 100 KB	N/A
<i>Internet on-line charges****</i>	0.24/min.	0.08/min	0.08/min	2.50/ hour
<i>Web link</i>				
Initial setup/revision	10.00	10.00	10.00	10.00
Charge per month	5.00	5.00	5.00	5.00
<i>Web Storage Site</i>				
Initial setup/revision	10.00	10.00	10.00	10.00
Data storage	10.00/MB	10.00/MB	10.00/MB	10.00/MB

Palau had about 1,600 internet subscribers in 2003, with the average subscriber paying about \$650 over the year.

Source: Palau National Communications Corporation, Republic of Palau

Notes: Non Chargeable Internet Hours changes effective as of July 2003

/1 Basic Email: Doubled from 2 to 6 hours

/2 Bronze Plan: Doubled from 8 to 16 hours

/3 Silver Plan: Doubled from 28 to 56 hours

/4 Gold Plan: Doubled from 75 to 150 hours

/5 Platinum: Doubled from 175 to 350 hours

\* New Rate effective January 2003

\*\* Reduction rate was effective April 10, 2003

\*\*\* Stopped Charging File Transfers in 2003

\*\*\*\* Internet is charged by hour instead of minutes, under new Palaunet software called Rodopi

Table 15.7 Monthly Basic Charges (Telephone Line and Smart Call)

Particulars	A M O U N T C H A R G E D ( \$ )			
	2000	2001	2002	2003
<b>Telephone Line</b>				
Residential line	11.00	11.00	11.00	11.00
Business line	22.00	22.00	22.00	22.00
Monthly charge for extension	2.50	2.50	2.50	2.50
Unlisted number	1.00	1.00	1.00	1.00
Non-published number	1.00	1.00	1.00	1.00
Directory assistance (411)	0.50 after 5 calls	0.50 after 5 calls	0.50 after 5 calls	0.50 after 5 calls
<b>Smart Call</b>				
Caller ID	4.95	4.95	4.95	4.95
Call waiting	1.75	1.75	1.75	1.75
Call forwarding	1.75	1.75	1.75	1.75
Three-way calling	1.75	1.75	1.75	1.75
Speed dialing (8 numbers)	1.75	1.75	1.75	1.75
Speed dialing (30 numbers)	2.75	2.75	2.75	2.75
Voice Mail Basic*	-	-	-	3.95

Source: Palau National Communications Corporation, Republic of Palau

Note: \* Voice Mail Basic is a new service.

Table 15.8 Palaunet LAN Connection Service Fees

Particulars	A M O U N T C H A R G E D ( \$ )			
	2000	2001	2002	2003
<b>LAN connection fee</b>				
Initial/Reconnection	500	500	500	500
Remote dial-in access from LAN to Palaunet	200/IP address	200/IP address	200/IP address	200/IP address
<b>Computers and IP Addresses</b>				
1 to 5 computers	500	500	500	500
6 to 10 computers	650	650	650	650
11 to 20 computers	800	800	650	650
More than 20 computers	800 plus 40	800 plus 40	801 plus 40	801 plus 40
	per computer	per computer	per computer	per computer

Source: Palau National Communications Corporation, Republic of Palau