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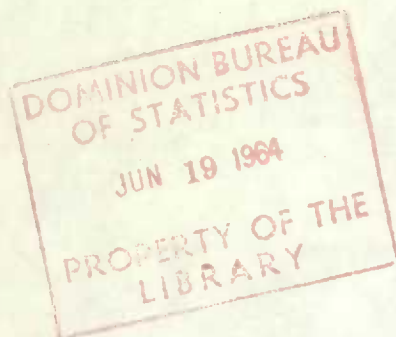
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MONTHLY



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CANADA



CIVIL AVIATION

DECEMBER 1963

Published by Authority of
The Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Public Finance and Transportation Division
Transportation Section

May 1964
8504-510

Price: 20 cents
\$2.00 a year

Vol. 23—No. 12

Reports Published by the
Public Finance and Transportation Division
dealing with
Civil Aviation

<u>Catalogue No.</u>	<u>Title</u>	<u>Price</u>
51-001	Civil Aviation - Monthly	\$2.00 per year
51-201	Civil Aviation - Preliminary Annual	50 cents
51-202	Civil Aviation - Annual	50 cents

Subscription orders should be sent to the Information Services Division,
Dominion Bureau of Statistics, Ottawa, Canada, with enclosed remittances
made payable to the Receiver General of Canada.

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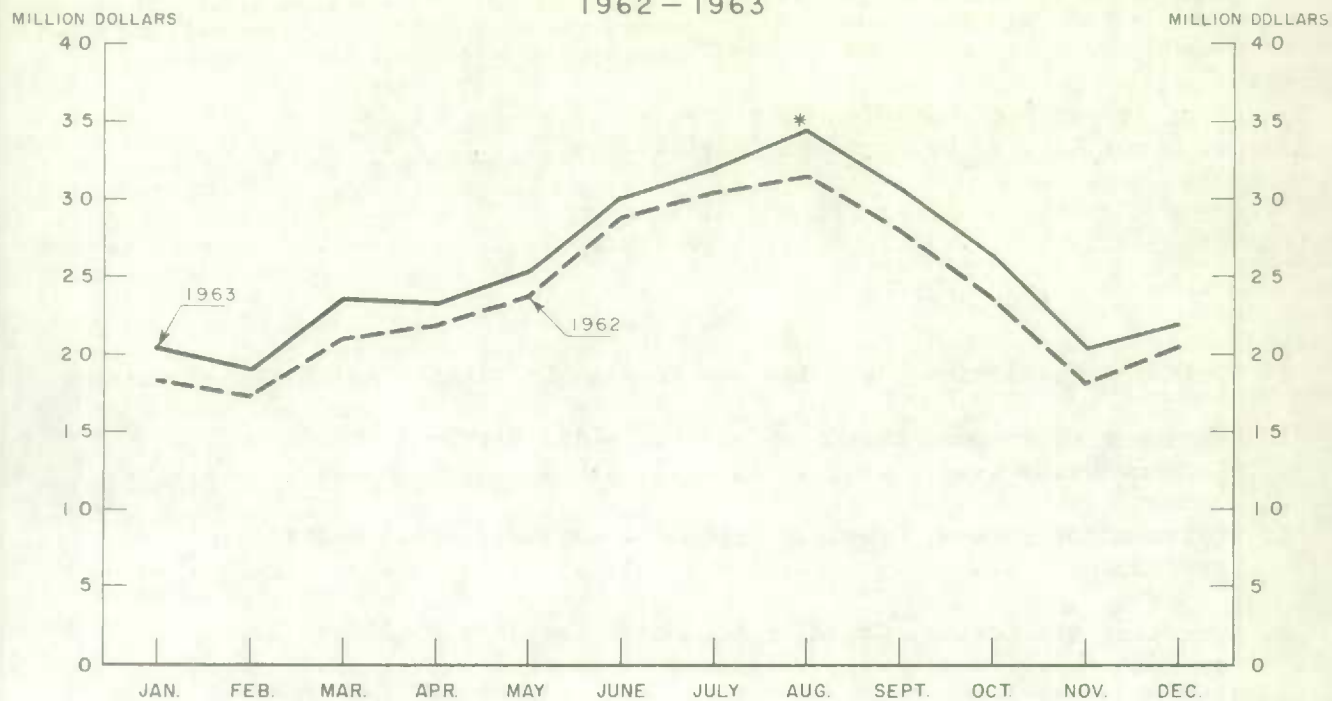
SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. Figures not available.
- ... Figures not appropriate or not applicable.
- Nil or zero.

OPERATING REVENUE OF CANADIAN AIR CARRIERS

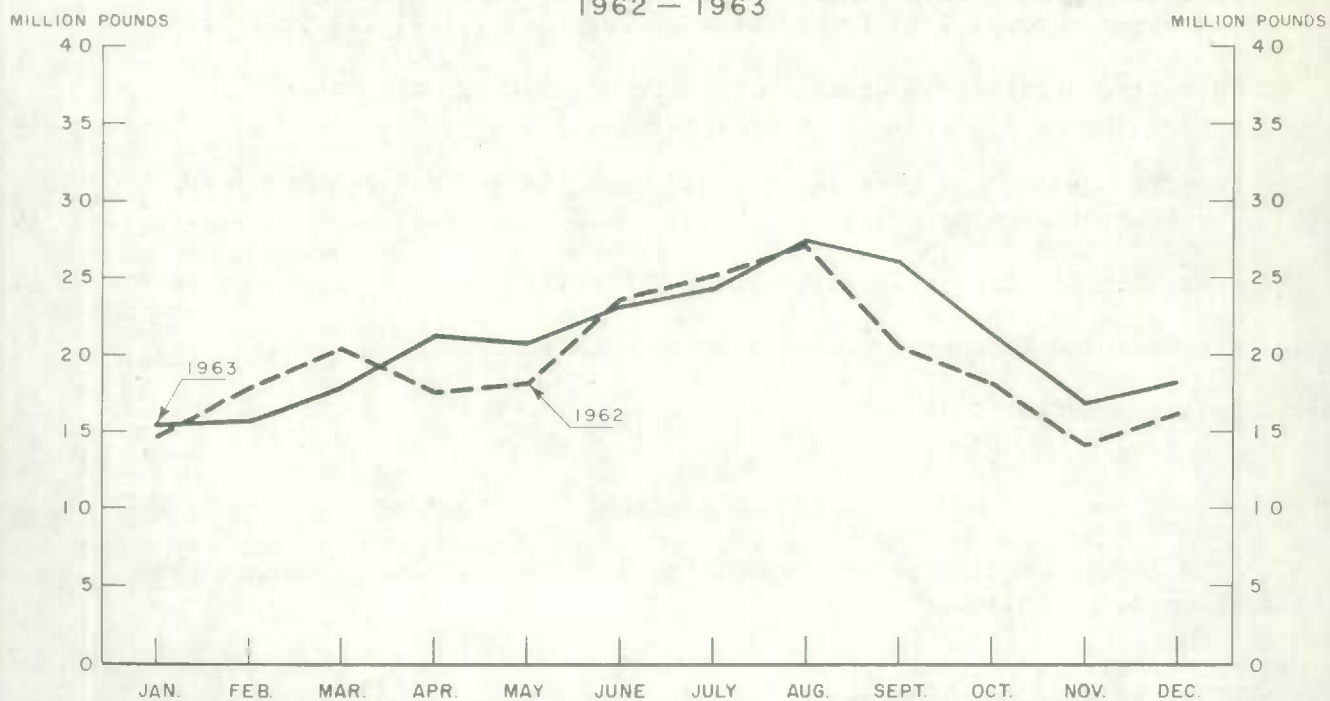
1962 - 1963



* ALL TIME HIGH FOR SINGLE MONTH

REVENUE GOODS CARRIED BY CANADIAN AIR CARRIERS

1962 - 1963



(REVENUE GOODS = FREIGHT + EXPRESS + EXCESS BAGGAGE + MAIL)

INTRODUCTION

"Civil Aviation" reports are prepared from monthly and quarterly schedules filed with the Air Transport Board and the Dominion Bureau of Statistics by Canadian commercial air carriers, and from monthly returns filed with the Dominion Bureau of Statistics by foreign air carriers operating in Canada.

For reporting purposes, Canadian carriers are classified into five groups on the basis of gross annual flying revenues and type of service performed. These groups are described in the last two pages of this publication along with definitions of civil aviation terminology. It should be noted, however, that Nordair Ltd. which is classified as a Group II carrier by the Air Transport Board, has been included with Group III carriers for statistical purposes. Group V comprises the small carriers which are required to file returns on a quarterly basis only. Data on their operations are excluded from industry totals appearing throughout the report.

Domestic and international operations of Canadian carriers are combined in all tables except number 6 which provides a breakdown of domestic and international operations for the two Canadian carriers operating international unit toll services: Canadian Pacific Air Lines, and Trans-Canada Air Lines.

Whenever feasible the unit toll services are broken down into scheduled and non-scheduled. However, a complete breakdown is not possible as some carriers offer both services on specific routes. In such cases the route is assigned to the class of service which predominates.

Table 9 provides data on traffic leaving and entering Canada on an area of service basis. Passengers, cargo and mail in transit through Canada are excluded. The table includes the operations of both Canadian and Foreign carriers, with separate totals for each.

Review of December Operations

Increases were reported in the transportation of both revenue passengers and goods by Canadian air carriers during the month of December, compared with December 1962. Revenue passengers carried totalled 374,599 an increase of 3.9 per cent and goods transported rose to 9,098 tons, an increase of 13.1 per cent. The revenue miles flown were up 6.3 per cent to 7,125,220.

December operating revenues showed a 6.6 per cent increase over December 1962 to \$21,849,511 while operating expenses rose 19.4 per cent to \$27,293,631. Thus, an operating loss of \$5,444,120 was reported. This compares with a loss of \$2,363,744 for the same month the previous year. A net deficit after provision for income taxes of \$7,050,219 was reported as against a deficit of \$2,789,785 in December 1962.

Revenue hours flown by helicopters decreased 8.3 per cent to 802 from December 1962. Operating revenues declined 53.7 per cent to \$175,339 while the operating expenses increased 22.5 per cent to \$687,081.

In December, the six scheduled carriers transported 350,185 revenue passengers, 93.5 per cent of all passengers carried by Canadian services. They also carried 7,221 tons of revenue goods which is 79.4 per cent of the total carried. Operating revenues amounted to \$20,191,286, or 92.4 per cent of all Canadian revenues. Operating expenses amounted to \$24,482,081, or 89.7 per cent of the total. Comparable figures in December, 1962 are; passengers 93.1 per cent, goods 77.0 per cent, revenues 91.6 per cent and expenses 88.8 per cent.

The Cumulative View

The twelve months of 1963 compared to 1962 showed the revenue passengers carried increased 11.5 per cent to 5,870,049, while revenue goods rose 2.5 per cent to 123,305 tons. Operating revenues increased 8.7 per cent to \$309,482,337 while operating expenses increased 6.3 per cent to \$294,958,394.

Foreign Carriers

Foreign carriers licensed to operate in Canada transported 62,924 revenue passengers during December, an increase of 14.4 per cent over December 1962, while revenue goods carried totalled 1,213 tons, an increase of 30.6 per cent. Foreign carriers licensed to operate in Canada are required to report hours and miles flown over Canadian territory only. Details of passengers in transit have been excluded.

TABLE 1. Operating Statistics, Canadian and Foreign Carriers - All Services

December 1963

	Canadian carriers					Foreign carriers(2)		Grand total all carriers	Year to date
	Scheduled carriers	Non-scheduled carriers			Total Canadian carriers	United States carriers	Other Foreign carriers(3)		
	Group I and II(1)	Group III(1)	Group IV	Total					
Number of carriers reporting ...	6	19	67	86	92	10	9	111	..
Transportation services:									
Unit toll:									
Revenue departures No.	16,605	1,306	783	2,089	18,694	..	..	..	..
Revenue hours flown "	21,069	1,942	432	2,374	23,443	327	794	24,564	314,246
Revenue miles scheduled "	5,061,873	...	...	...	5,061,873	84,038	298,354	5,444,265	71,234,492
Revenue miles flown:									
Scheduled services "	5,388,283(4)	...	...	...	5,388,283(4)	79,362	302,571	5,770,216(4)	72,687,041(4)
Non-scheduled services ... "	321,300(4)	241,355	50,306	291,661	612,961(4)	-	-	612,961(4)	8,451,349(4)
Totals "	5,709,583	241,355	50,306	291,661	6,001,244	79,362	302,571	6,383,177	81,138,390
Revenue passengers carried "	344,411	6,469	3,060	9,529	353,940	44,752	17,015	415,707	5,681,591
Revenue goods carried:									
Cargo lb.	8,626,282	381,593	116,315	497,908	9,124,190)	666,602	1,289,706	11,152,832	120,284,380
Excess baggage "	60,214(5)	200	11,920	12,120	72,334(5))				
Mail "	4,527,059	178,912	39,142	218,054	4,745,113	222,998	246,157	5,214,268	45,151,288
Totals "	13,213,555	560,705	167,377	728,082	13,941,637	889,600	1,535,863	16,367,100	165,435,668
Revenue passenger-miles No.	264,667,826	1,262,146	170,685	1,432,831	266,100,657	1,940,854	12,739,125	280,780,636	3,826,606,241
Revenue goods ton-miles:									
Cargo "	4,816,681	96,820	5,885	102,705	4,919,386✓)	15,787	457,615	5,585,507	61,822,555
Excess baggage "	192,267	16	436	452	192,719✓)				
Mail "	2,055,278	40,473	2,015	42,488	2,097,766✓	4,368	103,803	2,205,937	18,546,111
Totals "	7,064,226	137,309	8,336	145,645	7,209,871	20,155	561,418	7,791,444	80,368,666
Bulk:									
Revenue - Departure "	1,315	2,614	6,105	8,719	10,034	..	..	..	..
Hours flown "	1,935	2,631	4,158	6,789	8,724✓	-	36	8,760	250,538
Miles flown "	349,201	299,942	474,833	774,775	1,123,976	-	9,830	1,133,806	27,218,409
Passengers carried "	5,774	5,637	9,248	14,885	20,659	84	1,073	21,816	595,731
Freight carried .. lb.	1,229,273	1,790,113	1,235,337	3,025,450	4,254,723	-	-	4,254,723	114,279,347
Non-transportation services:									
Specialty flying:									
Revenue hours flown No.	107	682	2,622	3,304	3,411	-	-	3,411	82,530

See footnotes at end of table.

TABLE 1. Operating Statistics, Canadian and Foreign Carriers - All Services - Concluded

December 1963

	Canadian carriers					Foreign carriers(2)		Grand total all carriers	Year to date
	Scheduled carriers	Non-scheduled carriers			Total Canadian carriers	United States carriers	Other Foreign carriers(3)		
		Groups I and II(1)	Group III(1)	Group IV					
Total - All services:									
Traffic, hours and miles:(6)									
Revenue:									
Departures	No.	17,920	3,920	6,888	10,808	28,728	..	..	..
Hours flown	"	23,111	5,255	7,212	12,467	35,578	327	830	647,314
Miles flown	"	6,058,784	541,297	525,139	1,066,436	7,125,220	79,362	312,401	108,356,799
Passengers carried	"	350,185	12,106	12,308	24,414	374,599	44,836	18,088	6,277,322
Cargo carried	lb.	9,855,555	2,171,706	1,351,652	3,523,358	13,378,913	666,602(7)	1,289,706(7)	234,563,727(7)
Goods carried	"	14,442,828	2,350,818	1,402,714	3,753,532	18,196,360	889,600	1,535,863	279,715,015
Non-revenue:									
Hours flown	No.	542	351	354	705	1,247	2	2	22,551
Passengers carried	"	..	3	2	5	..	730	850	..
Goods carried	lb.	..	1,130	-	1,130	..	9,778	54,182	..
Passenger-miles	No.	12,713,675	716	123	839	12,714,514	29,938	240,612	194,157,104
Goods ton-miles	"	496,092	148	-	148	496,240	248	14,423	6,820,404
Fuel consumed:									
Turbo fuel - Quantity	gal.	14,362,543	-	10,533	10,533	14,373,076	78,518	2,106,187	219,944,430
Cost	\$	2,116,702	-	2,363	2,363	2,119,065	12,752	333,746	32,675,740
Gasoline - Quantity	gal.	865,257	301,819	139,312	441,131	1,306,388✓	70,366	137,483	23,281,776
Cost	\$	274,646	122,649	59,049	181,698	456,344	17,616	36,881	8,226,508
Oil consumed:									
Turbo aircraft - Quantity ..	gal.	3,921	-	2	2	3,923✓	7	67	58,386
Cost	\$	32,154	-	30	30	32,184	42	598	432,277
Other aircraft - Quantity ..	gal.	13,296	3,709	2,133	5,842	19,138✓	1,147	448	288,683
Cost	\$	13,928	6,015	3,022	9,037	22,965	828	335	357,436
Average number of employees:									
Flying personnel	No.	2,027	340	247	587	2,614	..	..	..
Other personnel	"	13,326	668	390	1,058	14,384	..	..	..
Totals	"	15,353	1,008	637	1,645	16,998	216	722	18,453
Salaries and wages paid:									
Flying personnel	\$	1,686,491	249,675	145,463	395,138	2,081,629	..	..	..
Other personnel	\$	7,304,590	339,766	162,199	501,965	7,806,555	..	..	..
Totals	\$	8,991,081	589,441	307,662	897,103	9,888,184	108,831	336,236	114,020,533

- (1) Group II non-scheduled carriers included with Group III for purposes of this report.
 (2) See Introduction, page 5, last paragraph.
 (3) Includes fifth freedom traffic between United States and Canada.
 (4) Breakdown into scheduled and non-scheduled service not entirely accurate as some carriers operate the two types of service jointly on certain routes.

- (5) Excludes Group I carriers.
 (6) Except for hours flown, these data relate to transportation services only.
 (7) Includes excess baggage.

TABLE 2. Statement of Income, Canadian Carriers - All Services, by Revenue Group

December 1963

	Scheduled carriers			Non-scheduled carriers			Grand total	Year to date
	Group I	Group II(1)	Total	Group III(1)	Group IV	Total		
	dollars							
Operating revenues:								
Unit toll transportation:								
Passengers	15,341,937	754,214	16,096,151	159,118	34,064	193,182	16,289,333	225,698,412
Express	231,399	49,940	281,339	7,144	3,398	10,542	291,881	4,472,828
Freight	1,392,797	203,762	1,596,559	55,353	6,170	61,523	1,658,082	14,371,092
Excess baggage	115,178	13,281	128,459	3,056	767	3,823	132,282	1,579,515
Mail	1,606,275	162,246	1,768,521	71,165	9,611	80,776	1,849,297	15,813,082
Total unit toll transportation ..	18,687,586	1,183,443	19,871,029	295,836	54,010	349,846	20,220,875	261,934,929
Bulk transportation	244,063	311,043	555,106	502,156	372,025	874,181	1,429,287	37,033,060
Total transportation	18,931,649	1,494,486	20,426,135	797,992	426,035	1,224,027	21,650,162	298,967,989
Other flying services	11,559	18,121	29,680	187,114	89,550	276,664	306,344	5,029,429
Total flying services	18,943,208	1,512,607	20,455,815	985,106	515,585	1,500,691	21,956,506	303,997,418
Non-flying services	Dr. 299,640	35,111	Dr. 264,529	92,003	65,531	157,534	Dr. 106,995	5,484,919
Total operating revenues	18,643,568	1,547,718	20,191,286	1,077,109	581,116	1,658,225	21,849,511	309,482,337
Operating expenses:								
Flying operations	7,797,456	505,866	8,303,322	459,786	342,485	802,271	9,105,593	82,888,685
Maintenance	3,450,150	451,109	3,901,259	620,322	355,688	976,010	4,877,269	62,576,732
General services and administration:								
Passenger service	1,373,803	49,982	1,423,785	..	..	..	..	..
Aircraft and traffic servicing	2,785,183	271,897	3,057,080	..	..	..	..	..
Promotion and sales	3,261,911	136,015	3,397,926	..	..	..	..	..
General administration	1,114,742	121,975	1,236,717	..	..	..	..	..
Totals	8,535,639	579,869	9,115,508	455,131	235,144	690,275	9,805,783	115,784,881
Depreciation and amortization	2,962,170	199,822	3,161,992	227,055	115,939	342,994	3,504,986	33,708,096
Total operating expenses	22,745,415	1,736,666	24,482,081	1,762,294	1,049,256	2,811,550	27,293,631	294,958,394
Operating income (loss)	Dr. 4,101,847	Dr. 188,948	Dr. 4,290,795	Dr. 685,185	Dr. 468,140	Dr. 1,153,325	Dr. 5,444,120	14,523,943
Non-operating income - Net:								
Capital gains and losses	156,789	142,340	299,129	25,596	20,280	45,876	345,005	1,186,137
Interest and discounts	163,498	9	163,507	79,162	1,654	80,816	244,323	1,542,570
Miscellaneous non-operating income ..	39,216	35,915	75,131	Dr. 7,815	26,815	19,000	94,131	209,065
Income before interest expense	Dr. 3,742,344	Dr. 10,684	Dr. 3,753,028	Dr. 588,242	Dr. 419,391	Dr. 1,007,633	Dr. 4,760,661	17,461,715
Interest expense	2,224,212	58,632	2,282,844	35,615	37,529	73,144	2,355,988	14,105,712
Income before income taxes	Dr. 5,966,556	Dr. 69,316	Dr. 6,035,872	Dr. 623,857	Dr. 456,920	Dr. 1,080,777	Dr. 7,116,649	3,356,003
Provision for income taxes	-	Cr. 40,000	Cr. 40,000	Cr. 34,008	7,578	Cr. 26,430	Cr. 66,430	394,768
Net income after income taxes	Dr. 5,966,556	Dr. 29,316	Dr. 5,995,872	Dr. 589,849	Dr. 464,498	Dr. 1,054,347	Dr. 7,050,219	2,961,235

(1) Group II non-scheduled carriers included with Group III for purposes of this report.

TABLE 3. Statement of Income, Canadian Scheduled Carriers - All Services, by Company

December 1963

	Canadian Pacific Air Lines	Eastern Provincial Airways (1963)	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Trans- Canada Air Lines	Total	Year to date
	dollars							
Operating revenues:								
Unit toll transportation:								
Passengers	3,545,334	155,070	243,963	211,964	143,217	11,796,603	16,096,151	221,848,530
Express	16,577	746	13,629	33,997	1,568	214,822	281,339	4,337,789
Freight	282,406	95,660	85,657	-	22,445	1,110,391	1,596,559	13,280,384
Excess baggage	42,908	3,080	4,324	5,139	738	72,270	128,459	1,495,766
Mail	334,160	60,904	51,700	8,701	40,941	1,272,115	1,768,521	14,930,082
Total unit toll transportation ..	4,221,385	315,460	399,273	259,801	208,909	14,466,201	19,871,029	255,892,551
Bulk transportation	101,657	60,412	90,723	4,335	155,573	142,406	555,106	14,935,526
Total transportation	4,323,042	375,872	489,996	264,136	364,482	14,608,607	20,426,135	270,828,077
Other flying services	-	18,121	-	-	-	11,559	29,680	143,330
Total flying services	4,323,042	393,993	489,996	264,136	364,482	14,620,166	20,455,815	270,971,407
Non-flying services	102,381	1,037	26,765	4,902	2,407	Dr. 402,021	Dr. 264,529	3,174,345
Total operating revenues	4,425,423	395,030	516,761	269,038	366,889	14,218,145	20,191,286	274,145,752
Operating expenses:								
Flying operations	1,626,820	150,094	176,334	80,316	99,122	6,170,636	8,303,322	69,218,651
Maintenance	844,604	116,969	114,500	92,947	126,693	2,605,546	3,901,259	53,172,870
General services and administrations:								
Passenger service	298,773	10,890	16,762	5,642	16,688	1,075,030	1,423,785	18,944,908
Aircraft and traffic servicing	537,721	84,741	131,174	22,633	33,349	2,247,462	3,057,080	37,483,572
Promotion and sales	963,598	10,138	20,702	59,447	45,728	2,298,313	3,397,926	41,062,303
General administration	221,112	22,998	34,763	26,564	37,650	893,630	1,236,717	11,715,641
Totals	2,021,204	128,767	203,401	114,286	133,415	6,514,435	9,115,508	109,206,424
Depreciation and amortization	206,796	55,926	33,686	34,621	75,589	2,755,374	3,161,992	30,216,975
Total operating expenses	4,699,424	451,756	527,921	322,170	434,819	18,045,991	24,482,081	261,814,920
Operating income (loss)	Dr. 274,001	Dr. 56,726	Dr. 11,160	Dr. 53,132	Dr. 67,930	Dr. 3,827,846	Dr. 4,290,795	12,330,832
Non-operating income - Net:								
Capital gains and losses	156,789	-	Dr. 971	143,945	Dr. 634	-	299,129	696,333
Interest and discounts	63,868	-	-	66	Dr. 57	99,630	163,507	1,420,752
Miscellaneous non-operating income ..	11,505	262	41,109	Dr. 2,166	Dr. 3,290	27,711	75,131	137,201
Income before interest expense	Dr. 41,839	Dr. 56,464	28,978	88,713	Dr. 71,911	Dr. 3,700,505	Dr. 3,753,028	14,585,118
Interest expense	1,254,009	27,464	15,084	12,413	3,671	970,203	2,282,844	13,417,406
Income before income taxes	Dr. 1,295,848	Dr. 83,928	13,894	76,300	Dr. 75,582	Dr. 4,670,708	Dr. 6,035,872	1,167,712
Provision for income taxes	-	-	-	-	Cr. 40,000	-	Cr. 40,000	115,145
Net income after income taxes	Dr. 1,295,848	Dr. 83,928	13,894	76,300	Dr. 35,582	Dr. 4,670,708	Dr. 5,995,872	1,052,567

TABLE 4. Operating Statistics, Canadian Scheduled Carriers - All Services, by Company

December 1963

	Group I carriers			Group II carriers					Grand total
	Canadian Pacific Air Lines	Trans-Canada Air Lines	Total	Eastern Provincial Airways (1963)	Pacific Western Airlines(1)	Quebecair Inc.(1)	Transair Ltd.(1)	Total(1)	
Transportation services:									
Unit toll:									
Revenue departures No.	1,710	10,576	12,286	939	1,133	1,043	1,204	4,319	16,605
Revenue hours flown "	3,487	13,446	16,933	807	1,300	774	1,255	4,136	21,069
Revenue miles scheduled "	1,151,065	3,551,728	4,702,793	25,253	173,334	68,998	91,495	359,080	5,061,873
Revenue miles flown:									
Scheduled services - Regular "	1,136,097	3,487,241	4,623,338	23,362	147,817	65,923	89,175	326,277	4,949,615
Extra section "	46,566	341,208	387,774	3,717	23,768	7,799	15,610	50,894	438,668
Non-scheduled services "	43,980	-	43,980	117,467	22,799	63,165	73,889	277,320	321,300
Totals "	1,226,643	3,828,449	5,055,092	144,546	194,384	136,887	178,674	654,491	5,709,583
Ratio of regular miles flown to miles scheduled	98.7	98.2	98.3	92.5	85.3	95.5	97.5	90.9	97.8
Revenue passengers carried No.	36,407	277,841	314,248	6,308	10,862	8,211	4,782	30,163	344,411
Revenue goods carried:									
Express lb.	70,511	955,946	1,026,457	3,365	38,547	169,059	11,887	222,858	1,249,315
Freight "	768,249	5,371,068	6,139,317	530,735	551,240	-	155,675	1,237,650	7,376,967
Excess baggage "	-	-	-	13,132	13,510	29,239	4,333	60,214	60,214(2)
Mail "	282,477	3,612,463	3,894,940	232,244	214,140	43,706	142,029	632,119	4,527,059
Totals "	1,121,237	9,939,477	11,060,714	779,476	817,437	242,004	313,924	2,152,841	13,213,555
Revenue passenger-miles:									
Scheduled services No.	63,628,694	191,287,872	254,916,566	370,889	2,649,267	1,404,941	1,394,289	5,819,386	260,735,952
Non-scheduled services "	939,763	-	939,763	1,563,495	50,048	1,102,171	276,397	2,992,111	3,931,874
Totals "	64,568,457	191,287,872	255,856,329	1,934,384	2,699,315	2,507,112	1,670,686	8,811,497	264,667,826
Available seat-miles on scheduled services "	140,962,457	346,479,376	487,441,833	1,081,088	7,581,649	2,563,856	3,741,375	14,967,968	502,409,801
Passenger load factor on scheduled services	45.1	55.2	52.3	36.3	34.9	54.8	37.3	38.9	51.9
Revenue goods ton-miles:									
Express - Scheduled services No.	17,624	334,686	352,310	-	10,933	19,868	2,126	32,927	385,237
Non-scheduled services "	754	-	754	574	-	12,200	450	13,224	13,978
Totals "	18,378	334,686	353,064	574	10,933	32,068	2,576	46,151	399,215
Freight - Scheduled services "	931,190	3,099,088	4,030,278	1,960	160,004	-	7,070	169,034	4,199,312
Non-scheduled services "	2,361	-	2,361	197,069	3,100	-	15,624	215,793	218,154
Totals "	933,551	3,099,088	4,032,639	199,029	163,104	-	22,694	384,827	4,417,466

See footnotes at end of table.

TABLE 4. Operating Statistics, Canadian Scheduled Carriers - All Services, by Company - Continued

December 1963

	Group I carriers			Group II carriers					Grand total
	Canadian Pacific Air Lines	Trans-Canada Air Lines	Total	Eastern Provincial Airways (1963)	Pacific Western Airlines(1)	Quebecair Inc. (1)	Transair Ltd. (1)	Total(1)	
Transportation services - Concluded:									
Unit toll - Concluded:									
Revenue goods ton-miles - Concluded:									
Excess baggage - Scheduled services No.	45,287	135,499	180,786	156	2,380	2,279	794	5,609	186,395
Non-scheduled services	" 67	-	67	3,156	18	2,547	84	5,805	5,872
Totals	" 45,354	135,499	180,853	3,312	2,398	4,826	878	11,414	192,267
Mail - Scheduled services	" 285,544	1,651,045	1,936,589	4,526	54,434	3,317	6,557	68,834	2,005,423
Non-scheduled services	" 3,719	-	3,719	32,729	360	2,213	10,834	46,136	49,855
Totals	" 289,263	1,651,045	1,940,308	37,255	54,794	5,530	17,391	114,970	2,055,278
Total - Scheduled services	" 1,279,645	5,220,318	6,499,963	6,642	227,751	25,464	16,547	276,404	6,776,367
Non-scheduled services	" 6,901	-	6,901	233,528	3,478	16,960	26,992	280,958	287,859
Totals	" 1,286,546	5,220,318	6,506,864	240,170	231,229	42,424	43,539	557,362	7,064,226
Available ton-miles on scheduled services	" 18,683,948	49,333,892	68,017,840	87,625	1,006,027	473,378	428,966	1,995,996	70,013,836
Weight load factor on scheduled services(3)	40.9	49.4	47.0	49.9	49.0	35.1	36.4	43.0	46.9
Bulk:									
Revenue - Departures	No. 24	56	80	285	708	18	224	1,235	1,315
Hours flown	" 148	198	346	360	697	19	513	1,589	1,935
Miles flown	" 50,436	86,901	137,337	38,673	82,758	2,740	87,693	211,864	349,201
Passengers carried	" 783	1,665	2,448	766	1,479	169	912	3,326	5,774
Freight carried	lb. 33,372	-	33,372	100,147	574,616	921	520,217	1,195,901	1,229,273
Non-transportation services:									
Specialty flying:									
Revenue hours flown	No. -	37	37	70	-	-	-	70	107
Total - All services:									
Traffic, hours and miles:(4)									
Revenue:									
Departures	No. 1,734	10,632	12,366	1,224	1,841	1,061	1,428	5,554	17,920
Hours flown	" 3,635	13,681	17,316	1,237	1,997	793	1,768	5,795	23,111
Miles flown	" 1,277,079	3,915,350	5,192,429	183,219	277,142	139,627	266,367	866,355	6,058,784
Passengers carried	" 37,190	279,506	316,696	7,074	12,341	8,380	5,694	33,489	350,185
Cargo carried	lb. 872,132	6,327,014	7,199,146	634,247	1,164,403	169,980	687,779	2,656,409	9,855,555
Goods carried	" 1,154,609	9,939,477	11,094,086	879,623	1,392,053	242,925	834,141	3,348,742	14,442,828

See footnotes at end of table.

TABLE 4. Operating Statistics, Canadian Scheduled Carriers - All Services, by Company - Concluded

December 1963

	Group I carriers			Group II carriers					Grand total
	Canadian Pacific Air Lines	Trans-Canada Air Lines	Total	Eastern Provincial Airways (1963)	Pacific Western Airlines(1)	Quebecair Inc.(1)	Transair Ltd.(1)	Total(1)	
Total - All services - Concluded:									
Traffic, hours and miles(4) - Concluded:									
Non-revenue:									
Hours flown	No. 43	212	255	67	130	28	62	287	542
Passengers carried	" 1,264	..	..	264	294	127	132	817	..
Goods carried	lb. 120,996	..	..	5,182	42,581	-	18,410	66,173	..
Passenger-miles	No. 2,448,305	9,957,101	12,405,406	104,490	91,986	34,708	77,085	308,269	12,713,675
Goods ton-miles	" 176,425	296,410	472,835	1,452	16,307	-	5,498	23,257	496,092
Fuel consumed:									
Turbo fuel - Quantity	gal. 3,368,559	10,722,810	14,091,369	85,400	-	124,015	61,759	271,174	14,362,543
Cost	\$ 600,006	1,455,570	2,055,576	20,496	-	26,659	13,971	61,126	2,116,702
Gasoline - Quantity	gal. 380,821	-	380,821	73,392	227,214	17,181	166,649	484,436	865,257
Cost	\$ 105,703	-	105,703	27,155	74,125	5,964	61,699	168,943	274,646
Oil consumed:									
Turbo aircraft - Quantity ..	gal. 671	2,396	3,067	37	-	817	-	854	3,921
Cost	\$ 6,742	24,119	30,861	458	-	835	-	1,293	32,154
Other aircraft - Quantity ..	gal. 4,664	-	4,664	1,128	4,732	742	2,030	8,632	13,296
Cost	\$ 4,173	-	4,173	1,410	5,914	401	2,030	9,755	13,928
Average number of employees:									
Flying personnel	No. 461	1,305	1,766	68	84	39	70	261	2,027
Other personnel	" 2,161	10,025	12,186	300	333	232	275	1,140	13,326
Totals	" 2,622	11,330	13,952	368	417	271	345	1,401	15,353
Salaries and wages paid:									
Flying personnel	\$ 398,777	1,108,868	1,507,645	39,872	69,342	25,724	43,908	178,846	1,686,491
Other personnel	\$ 1,172,643	5,630,107	6,802,750	135,611	164,584	95,475	106,170	501,840	7,304,590
Totals	\$ 1,571,420	6,738,975	8,310,395	175,483	233,926	121,199	150,078	680,686	8,991,081

(1) Routes included in scheduled or non-scheduled services according to predominant class of service.

(2) Excludes Group I carriers.

(3) Standard passenger weight used: 200 pounds.

(4) Except for hours flown, these data relate to transportation services only.

TABLE 5. Interline Traffic(1), Canadian Scheduled Carriers - All Services, by Company

December 1963

	Canadian Pacific Air Lines	Eastern Provincial Airways (1963)	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Trans- Canada Air Lines	Total
Revenue passengers carried:							
Originated	No. 30,888	4,657	10,360	8,211	4,388	236,545	295,049
Domestic interline	" 2,195	-	-	-	-	41,296	46,380
Foreign interline	" 2,889	-	-	-	-	-	-
Totals(2)	" 35,972	4,657	10,360	8,211	4,388	277,841	341,429
Revenue express carried:							
Originated	lb. 70,511	3,365	38,547	169,059	11,887	955,946	1,249,315
Domestic interline	" -	-	-	-	-	-	-
Foreign interline	" -	-	-	-	-	-	-
Totals(2)	" 70,511	3,365	38,547	169,059	11,887	955,946	1,249,315
Revenue freight carried:							
Originated	lb. 651,009	530,215	508,586	-	59,624	5,371,068	7,120,502
Domestic interline	" 11,645	-	-	-	-	-	11,645
Foreign interline	" 31,111	-	-	-	-	-	31,111
Totals(2)	" 693,765	530,215	508,586	-	59,624	5,371,068	7,163,258
Revenue excess baggage carried:							
Originated	lb. ..	13,118	13,341	29,239	4,118	..	59,816(3)
Domestic interline	" ..	-	-	-	-	..	-
Foreign interline	" ..	-	-	-	-	..	-
Totals(2)	" ..	13,118	13,341	29,239	4,118	..	59,816(3)
Revenue mail carried:							
Originated	lb. 282,477	213,311	208,831	43,706	31,930	3,612,463	4,392,718
Domestic interline	" -	-	-	-	-	-	-
Foreign interline	" -	-	-	-	-	-	-
Totals(2)	" 282,477	213,311	208,831	43,706	31,930	3,612,463	4,392,718

(1) Includes only scheduled and non-scheduled services designated as mainline by the Air Transport Board.

(2) Excludes division interline.

(3) Excludes Group I carriers.

TABLE 6. Operating Statistics, Canadian International Carriers - Unit Toll Services, by Area of Service

December 1963

	Trans- Border Services	Trans- Atlantic and Polar Services	Southern Services	Pacific and Orient Services	Total International Services	Domestic Services	Grand total
Revenue departures No.	1,610	372	398	122	2,502	9,784	12,286
Revenue hours flown "	2,180	1,356	1,129	834	5,499	11,434	16,933
Revenue miles scheduled "	502,356	593,178	421,957	339,463	1,856,954	2,845,839	4,702,793
Revenue miles flown:							
Scheduled services - Regular "	488,481	584,185	421,957	327,268	1,821,891	2,801,447	4,623,338
Extra sections "	31,597	14,926	79,887	27,670	154,080	233,694	387,774
Non-scheduled services "	-	-	-	-	-	43,980	43,980
Totals "	520,078	599,111	501,844	354,938	1,975,971	3,079,121	5,055,092
Ratio of regular miles flown to miles scheduled	97.2	98.5	100.0	96.4	98.1	98.4	98.3
Revenue passengers carried No.	...	...	...	...	107,237	207,011	314,248
Revenue cargo carried lb.	...	...	...	...	2,979,103	4,186,671	7,165,774
Revenue mail carried ..... "	...	...	...	...	612,902	3,282,038	3,894,940
Revenue passenger-miles No.	26,094,896	39,153,666	29,602,473	17,355,424	112,206,459	143,649,870	255,856,329
Available seat-miles on scheduled services "	44,664,350	76,930,829	65,171,825	44,373,087	231,140,091	256,301,742	487,441,833
Passenger load factor on scheduled services ...	58.4	50.9	45.4	39.1	48.5	55.7	52.3
Revenue goods ton-miles:							
Express No.	59,541	-	-	-	59,541	293,523	353,064
Freight "	264,668	943,471	337,467	304,898	1,850,504	2,182,135	4,032,639
Excess baggage "	15,905	28,944	31,146	14,049	90,044	90,809	180,853
Mail "	46,744	427,755	69,990	147,795	692,284	1,248,024	1,940,308
Totals "	386,858	1,400,170	438,603	466,742	2,692,373	3,814,491	6,506,864
Available ton-miles on scheduled services "	5,489,040	11,030,381	8,995,123	5,730,091	31,244,635	36,773,205	68,017,840
Weight load factor on scheduled services(1) ...	54.6	48.2	37.8	38.4	44.5	49.2	47.0

(1) Standard passenger weight used: 200 pounds.

TABLE 7. Operating Statistics, Canadian Carriers - Specialty Flying Services,
Groups I to IV, by Type of Service

December 1963

	Month		Year to date	
	Revenue hours	Revenue earned	Revenue hours	Revenue earned
	No.	\$	No.	\$
Flying training	1,705	27,931	35,782	627,467
Recreational flying	612	19,498	12,678	299,401
Aerial photography and survey	86	35,255	4,347	705,664
Aerial photography (excluding survey)	65	3,432	1,603	198,664
Aerial pest control	17	240	2,558	386,365
Aerial advertising	30	2,695	110	9,604
Aerial patrol and inspection	603	42,059	13,958	1,255,361
Aircraft rental	21	2,050	415	11,403
Aerial fish cultivation	-	-	10	1,240
Geophysical survey	233	76,003	8,239	966,562
Non-transportation charter	9	9,713	1,194	171,106
Other specialty flying	30	21,840	1,636	337,886
Total specialty flying	3,411	240,716	82,530	4,970,723

TABLE 8. Statistical Summary of Canadian Carriers Operating
Helicopters only, Groups I to IV

December 1963

	Month	Year to date
Revenue hours flown	No. 802	48,764
Average number of aircraft	" 115	115
Average number of employees:		
Flying personnel	" 159	158
Other personnel	" 98	106
Totals	" 257	264
Salaries and wages paid:		
Flying personnel	\$ 115,424	1,307,106
Other personnel	\$ 71,541	708,385
Totals	\$ 186,965	2,015,491
Operating revenues:		
Bulk transportation	\$ 91,037	4,974,357
Other flying services	\$ 64,062	596,397
Non-flying services	\$ 20,240	153,099
Totals	\$ 175,339	5,723,853
Operating expenses:		
Flying operations	\$ 163,088	2,252,583
Maintenance	\$ 335,496	1,780,274
General services and administration ..	\$ 115,969	696,009
Depreciation and amortization	\$ 72,528	758,704
Totals	\$ 687,081	5,487,570
Operating income (loss)	\$ Dr. 511,742	236,283
Net income (deficit) after income taxes ..	\$ Dr. 436,645	344,972

TABLE 9. Traffic Leaving and Entering Canada, Canadian and Foreign Carriers, by Area of Service(1)

December 1963

	United States			Europe		
	To	From	Total	To	From	Total
Revenue passengers carried:						
Unit toll transportation No.	68,917	58,938	127,855	12,480	10,552	23,032
Bulk transportation "	302	106	408	2,678	159	2,837
Totals "	69,219	59,044	128,263	15,158	10,711	25,869
Revenue freight, express and excess baggage carried:						
Unit toll transportation lb.	548,393	2,127,924	2,676,317	610,651	1,152,677	1,763,328
Bulk transportation "	-	-	-	-	-	-
Totals "	548,393	2,127,924	2,676,317	610,651	1,152,677	1,763,328
Mail carried (unit toll transportation) "	181,955	312,902	494,857	250,830	233,769	484,599
All other areas			Totals			
	To	From	Total	To	From	Total
Revenue passengers carried:						
Unit toll transportation No.	9,761	5,222	14,983	91,158	74,712	165,870
Bulk transportation "	-	102	102	2,980	367	3,347
Totals "	9,761	5,324	15,085	94,138	75,079	169,217
Revenue freight, express and excess baggage carried:						
Unit toll transportation lb.	217,356	114,349	331,705	1,376,400	3,394,950	4,771,350
Bulk transportation "	33,372	-	33,372	33,372	-	33,372
Totals "	250,728	114,349	365,077	1,409,772	3,394,950	4,804,722
Mail carried (unit toll transportation) "	28,225	38,288	66,513	461,010	584,959	1,045,969
Total by Canadian carriers			Total by Foreign carriers			
	Leaving Canada	Entering Canada	Total	Leaving Canada	Entering Canada	Total
Revenue passengers carried:						
Unit toll transportation No.	57,025	47,078	104,103	34,133	27,634	61,767
Bulk transportation "	1,872	318	2,190	1,108	49	1,157
Totals "	58,897	47,396	106,293	35,241	27,683	62,924
Revenue freight, express and excess baggage carried:						
Unit toll transportation lb.	882,578	1,932,464	2,815,042	493,822	1,462,486	1,956,308
Bulk transportation "	-	-	-	33,372	-	33,372
Totals "	882,578	1,932,464	2,815,042	527,194	1,462,486	1,989,680
Mail carried (unit toll transportation) "	306,227	270,587	576,814	154,783	314,372	469,155

(1) Passengers and goods in transit through Canada are excluded.

TABLE 10. Operating Statistics, Canadian Group V Carriers

Fourth Quarter 1963

	Quarter	Year to date
Number of reporting carriers	255	...
Bulk transportation:		
Revenue hours flown No.	15,495	75,724
Revenue passengers carried "	29,326	157,402
Revenue goods carried 1b.	2,198,509	10,942,948
Specialty flying services:		
Revenue hours flown:		
Flying training No.	12,190	70,003
Recreational flying "	3,716	20,376
Aerial photography and survey "	255	1,112
Aerial photography (excluding survey) .. "	73	559
Aerial pest control "	98	6,010
Aerial advertising "	-	14
Aerial patrol and inspection "	779	4,874
Aircraft rental "	2,941	12,913
Aerial fish cultivation "	-	80
Geophysical survey "	-	-
Non-transportation charter "	-	30
Other specialty flying "	122	3,725
Total specialty flying services ... "	20,174	119,696
Total - All services:		
Revenue hours flown "	35,669	195,420
Non-revenue hours flown "	2,453	11,600

TABLE 11. Statement of Income, Canadian Group V Carriers

Fourth Quarter 1963

	Quarter	Year to date
	dollars	
Operating revenues:		
Bulk transportation	814,859	3,860,140
Other flying services	410,868	2,857,195
Total flying services	1,225,727	6,717,335
Non-flying services	401,890	2,326,542
Total operating revenues	1,627,617	9,043,877
Operating expenses:		
Flying operations	909,156	3,911,508
Maintenance	367,381	1,601,806
General services and administration	551,309	2,539,417
Depreciation	343,402	1,166,784
Total operating expenses	2,171,248	9,219,515
Operating income (loss)	Dr. 543,631	Dr. 175,638
Non-operating income - Net	Dr. 54,580	Dr. 164,147
Income before income taxes	Dr. 598,211	Dr. 339,785
Provision for income taxes	Cr. 4,421	74,889
Net income after income taxes	Dr. 593,790	Dr. 414,674

CIVIL AVIATION DEFINITIONS

Unit Toll Transportation:	Public transportation of passengers and goods at a toll per unit. It includes: <ul style="list-style-type: none">(i) the scheduled services, which provide public transportation between designated points in accordance with a schedule (Class 1); and(ii) the non-scheduled services, which provide public transportation either between designated points on a route pattern and with some degree of regularity (Class 2) or from a designated base to serve a defined area or a specific point or points (Class 3).
Bulk Transportation:	<ul style="list-style-type: none">(1) Public transportation of passengers or goods from a designated base at a toll per mile or per hour for the charter of the entire aircraft (Class 4); and(2) Transportation of passengers and goods in accordance with one or more specific contracts (Class 5).
Specialty Flying Services:	Non-transportation flying services, such as flying training, aerial photography, aerial pest control and aerial advertising (Class 7).
Scheduled Carriers:	Carriers operating a scheduled (Class 1) service.
Non-Scheduled Carriers:	Carriers not operating any scheduled (Class 1) service.
Classification of Canadian Carriers:	
Group I Carriers:	Trans-Canada Air Lines and Canadian Pacific Air Lines.
Group II Carriers:	All other carriers licensed to perform scheduled (Class I) service plus two major transport carriers: Nordair Ltd. and Eastern Provincial Airways Ltd.
Group III Carriers:	All carriers with gross annual flying revenues of \$400,000 and over which are not included in Group I and II.
Group IV Carriers:	All carriers having gross annual flying revenues of \$60,000 and over but less than \$400,000 and, in addition, any carrier licensed to perform unit toll service with gross annual flying revenues under \$60,000.
Group V Carriers:	All carriers other than those licensed to perform unit toll service with gross annual flying revenues of less than \$60,000.
Passenger:	A person occupying a separate seat on a one-way trip. For statistical purposes an infant-in-arms is not considered a passenger and a round trip passenger is counted as two passengers.
Revenue Passenger:	A child or adult for which a fare or part of a fare is paid.
Non-Revenue Passenger:	A child or adult carried on a revenue transportation flight for whom no fare is collected, including company personnel.
Air Cargo:	Air freight and air express.
Goods:	Air cargo plus excess baggage and air mail.
Tons:	Short tons of 2,000 lbs.
Miles:	Statute miles of 5,280 ft.
Passenger-Mile:	The transportation of one passenger over the distance of one mile.
Available Seat-Miles:	Seats available for the transportation of passengers multiplied by the miles flown on each inter-station trip.

Passenger Load Factor:	Ratio of revenue passenger-miles performed to available seat-miles.
Ton-Mile:	The transportation of one ton of load over the distance of one mile.
Available Load:	Load capacity available for the transportation of goods and passengers after deduction of the operating load of gas and oil, crew, steward's supplies, etc.
Available Ton-Miles:	Available load capacity multiplied by miles flown on each inter-station trip.
Weight Load Factor:	Ratio of revenue ton-miles performed to available ton-miles.
Interline Traffic:	Passengers and goods received by a carrier either from foreign carriers (foreign interline) or from other Canadian carriers (domestic interline) or from other operating divisions of the same carrier (division interline).
International Services:	
Trans-Border Services:	Services between Canada and the United States.
Southern Services:	Services between Canada and Bermuda, the Caribbean, Mexico or South America.
Trans-Atlantic and Polar Services:	Services between Canada and Europe.
Pacific and Orient Services:	Services between Canada and points in the Pacific Ocean or the Orient.
Five Freedoms of the Air:	
First Freedom:	The right to fly over the territory of a foreign country without landing.
Second Freedom:	The right to land on the territory of a foreign country for non-traffic purposes.
Third Freedom:	The right to put down in a foreign country, passengers, mail and cargo taken on in the territory of the state whose nationality the aircraft possesses.
Fourth Freedom:	The right to take on in a foreign country, passengers, mail and cargo destined for the territory of the state whose nationality the aircraft possesses.
Fifth Freedom:	The right to take on in a foreign country, passengers, mail and cargo destined for the territory of any other foreign state and the privilege to put down in a foreign country, passengers, mail and cargo coming from any such territory.

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