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APPENDIX A

SUPPLEMENTAL MATERIALS ON BACKGROUND OF PROJECT (CHAPTER 1)

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A-1 Population Distribution by Province with Rural/Urban* Area Breakdowns in 1969 and 1980

Provin	ce	1980 Census	1969 Census	Average Annual Growth Rate (%) 1969 to 1980
Central	Urban	183,102	65,974	9.7
	Rural	330,733	292,681	1:1
	Total	513,835	358,655	3.3
Copper -	Urban	1,148,854	744,094	4.0
belt	Rural	100,034	72,215	3.0
	Total	1,248,888	816,309	3.9
Eastern	Urban	59,343	13,413	14.5
	Rural	597,038	496,102	1.7
	Total	656,381	509,515	2.3
Luapula	Urban	65,547	7,466	21.8
	Rural	347,251	328,118	0.5
	Total	412,798	335,584	1.9
Lusaka	Urban	579,118	273,906	7.0
	Rural	114,760	80,069	3.3
	Total	693,878	353,975	6.3
Northern	Urban	117,749	14,206	21.2
	Rural	560,145	530,850	0.5
	Total	677,894	545,096	2.0
North-	Urban	38,045		
Western	Rural	263,632	231,733	1.2
	Total	301,677	231,733	2.4
Southern	Urban	186,083	63,457	10.3
	Rural	500,386	432,584	1.3
	Total	686,469	496,041	3.0
Western	Urban	62.578	9,600	18.6
	Rural	425,410	400,487	0.6
en e	Total	487,988	410,087	1.6
Total	Urban	2,440,419	1,192,116	6.7
Zambia	Rural	3,239,389	2,864,879	1.1
	Total	5,679,808	4.056,995	3.1

^{*} Includes all small township.

A-2 Population of Provinces and Large Urban Areas in 1963, 1969 and 1980

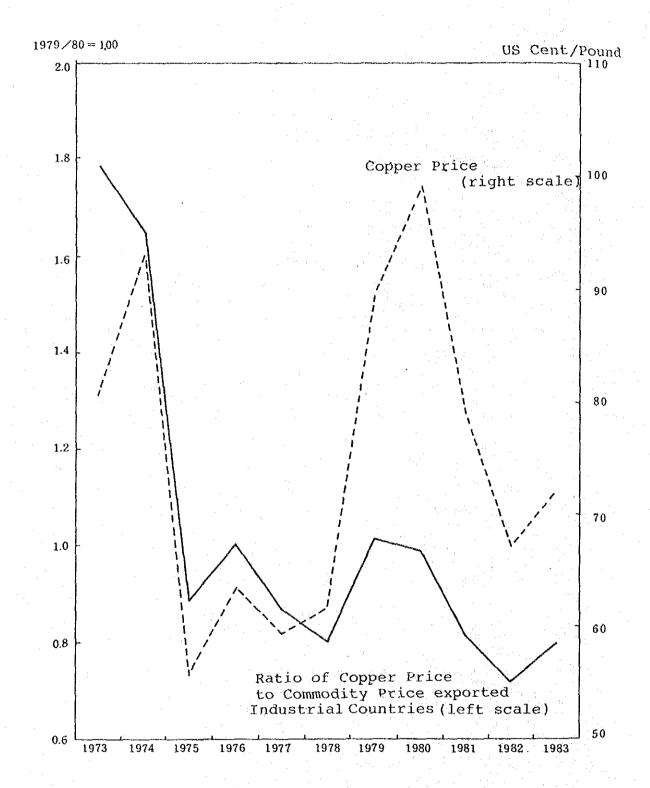
	1963 Census	1969 Census	1980 Census	Average Annual Growth Rate (%) 1963-1969	Average Annual Growth Rate (%) 1969-1980
Province:					-
Central	309,407	358,655	513,835	2.5	3.3
Copperbelt	543,465	816,309	1,248,888	7.0	3.9
Eastern	479,866	509,515	656,381	1.0	2.3
Luapula	357,018	335,584	412,798	-1.0	1.9
Lusaka	195,757	353,975	693,878	10.4	6.3
Northern	563,995	545,096	677,894	-0.6	2.0
North-Western	211,189	231,733	301,677	1.6	2.4
Southern	466,327	496,041	686,469	1.0	3.0
Western	362,480	410,087	487,988	2.1	1.6
Total Zambia	3,490,170	4,056,995	5,679,808	2.5	3.1
Total Urban (Including Small Urban Townships)	715,020	1,192,116	2,440,419	8.9	6.7
Total Rural	2,774,484	2,864,879	3,239,389	0.5	1.1
Percentage Urban	20.5	29.4	43.0		

A-3 Contribution of Copper Industry to Domestic Product, Revenue and Export

	Gross Domestic	Contribu			Contribu		Value of Domestic	Copper &	
	Product at Current Prices	Gross Domestic Product		Govern- ment Revenue	Govern- ment Revenue		(1) Exports f.o.b.	Value of Exports	Contribution to Exports
Year	(K'mill)	(K'mill)	8	(K'mill)	(K'mill)	g _f o	(K'mill)	(K'mill)	9
1969	1,314	637	48	400	235	59	754	729	97 🖖
1970	1,279	462	36	432	251	58	710	688	97
1971	1,181	268	23	309	114	37	480	454	95
1972	1,338	317	24	315	56	18	536	499	93
1973	1,591	506	32	385	108	28	738	703	95
1974	1,893	607	32	647	339	52	900	847	94
1975	1,583	204	13	448	59	13	518	479	93
1976	1,872	330	18	443	12	3	749	705	94
1977	1,952	223	11	499	-	<u></u>	706	661	94
1978	2,203	272	12	550	-	-	685	634	93
1979	2,598	456	18	595	·	-	1,087	1,031	95
1980	2,986	468	16	768	42	5	978	931	95

⁽¹⁾ Merchandise-export totals, as resulting from trade returns

Source: Country Profile, Zambia 1984, CSO



Source: IMF, Zambia - Staff Report for the 1984 Article IV Consultation and Request for Stand - By Arrangement, 1984.

A-4 Copper Export Market Price and Its Purchasing Power

A-5 Gross Donestic Product by Kind of Economic Activity in Producers' Values at Constant (1970) Prices

			1			ę.	(K' m	million)	(;	
Kind of Economic Activity	1975	1976	1977	1978	6261	1980	1981	1982	1983	
Total Gross Domestic Product	,435.5	1,519.4	1,446.5	1,483.5	1,369.9	1,417 8	1,484.0	1,453.7	1,476.5	. ":
Agriculture, Forestry and Fishing	157.0	166.9	168.2	169.2	160.0	166.4	180.0	159.0	172.3	
Commercial Sector Subsistence Sector	56.3	63.6	62.4	108.5	54.0	58.7	71.1	59.0	68.3	
Mining and Quarrying	427.9	503.2	469.7	1 967	390.8	398.7	433.3	433.4	9.697	ı
Netal Mining Other Mining	418.3	493.8	462.5	487.3	384.3	392.2	5.8	427.2	464.1	
Manufacturing	165.4	170.0	152.4	159.6	163.0	162.9	180.0	173.0	181.9	
Food Manufacturing	12.9	13.4	13.0	15.1	13.9	13.6	14.3	13.5	15.6	
	14.4	19.3	17.0	23.3	24.6	28.1	31.6	33.1	33.2	
Wood and Wood Products including Furniture Paper, Paper Products, Printing and Publishing	7.8	3.6	5.0	4.0	6.4	4.0	3.8		ມ ພ ຜູ້ ຍ.	
Rubber Products Changels Patroleim and Plantic Products	24.2	25.5	21.8	20.3	20.1	18.0	20.7	15.7	15.6	
Non-metallic Mineral Products	8.2	8.7	9.1	12.6	12.0	8.6	10.3	10.1	13.0	
Basic Metal Products Fabricated Metal Products	25.3	1.9	15.8	1.5	12.8	1.6	1.1	0.5 6.5.5	2.0.4 6.0.4	
. ::	0.7	0.7	0.5	7.0	6	9.0	0.4	0.3	0.3	
Electricity, Gae and Water	44.2	47.7	29.0	76.3	81.0	8.48	91.4	6.96	97.5	
Construction	130.6	5.66	9.06	82.0	69.3	79.1	60.7	9.49	48.3	
Wholesale and Retail Trade	105.0	107.9	97.3	96.2	89.7	99.2	7.86	90.3	87.4	
Notels and Restaurante	18.8	19.3	17.2	17.8	16.7	19.5	24.3	21.7	22.3	
Transport, Communication and Storage	57.6	0.99	60.3	6.09	63.1	56.5	26.7	59.5	58.1	
Rail Transport Road Transport	29.4	18.6 28.5	16.2	14.8	13.7	13.4	13.5	25.0	13.7	
Other Transport Posts and Telecommunications	6.9 6.9	10.1	9.9	0.01	6 6 6	6.9	9.8	8.8 10.4	8.3	
Financial Institutions and Insurance	60.4	58.3	48.8	41.0	6.44	41.0	39.9	43.5	36.0	
Real Estate	39.8	43.1	8.44	78.0	50.2	52.6	60.2	63.6	59.1	
Businese Services	32.7	35.0	32.3	33.1	34.2	38.5	38.0	37.6	38.8	
Community, Social and Personal Services	182.8	195.5	197.3	198.1	202.1	210.7	207.2	204.6	200.4	
Public Administration and Defence	73.7	71.5	74.9	76.8	90.6	82.7	32.1	78.8	17.1	
Santary services Education	56.2	68.7	67.4	65.4	65.0	68.3	63.9	64.9	62.1	
Wealth ' ' ' ' ' ' ' ' ' '	19.4	21.4	20.4	20.1	20.0	20.5	21.1	21.7 10.0	21.2 0.8	
Recreational and Cultural Services Personal and Household Services	24.0	24.8	25.0	26.0	26.2	28.0	28.8	29.2	29.2	
Import Duties	26.9	20.1	19.8	16.4	15.0	17.1	19.5	15.7	12.8	
Leas: Impured Bank Service Charges	13.6	13.1	11.0	9.5	10.1	9.2	8.9	6.7	8.0	
									-	,

Source: Monthly Digest of Statistics, December 1984, CSO

A-6 Total Exports and Imports

(K '000) Exports Export Total Domestic Re-exports Imports Surplus 1970 714,964 710,388 4,576 340,711 374,253 1971 485,177 480,011 5,166 399,282 85,895 1972 541,564 536,043 5,521 402,471 139,093 1973 741,955 738,004 3,952 346,867 395,089 900,428 905,091 1974 4,663 506,636 398,455 1975 521,049 517,990 3,059 597,611 -76,562 751,850 1976 748,756 3,094 468,748 283,102 1977 708,016 706,406 529,970 178,046 1,610 686,808 1978 685,280 1,529 492,605 194,203 1,090,006 496,366 1979 1,087,250 2,756 593,640 1980 1,023,276 1,020,485 2,790 876,688 146,588 936,496 6,947 12,052 1981 929,549 924,444 1982 950,456 945,235 5,221 929,997 20,459

	Total	Sterling Area	Other African Countries	European Economic Community*	European Free Trade Association	Other European Countries	Soviet Bloc	Dollar Area	Latin America (Non- Dollar)	Middle Eastern Countries	Other Asian Countries
1970	714,964	200,302	4,002	227,249	38,641	29,917	4,636	1,474	7,266	976	200,531
1971	485,177	116,680	3,220	148,403	29,154	35,662	1,279	4,575	13,898	576	131,731
1972	541,564	148,893	3,283	170,917	28,647	27,747	2,606	2,339	33,637	198	123,299
1973	741,955	191,188	6,250	236,626	27,493	40,396	373	3,898	38,022	989	197,022
1974	905,091	241,829	9,748	324,032	33,220	56,150	۳.	5,291	35,307	357	199,154
1975	521,049	131,148	8,998	204,704	26,631	31,873	388	134	11,521	761	104,891
1976	751,850	157,368	7,903	253,291	35,250	29,461	1,186	116,372	- 1	317	150,702
1977	708,016	139,606	14,308	276,035	32,155	18,724	2,998	72,874	1.	426.	150,891
1978	686,785	159,724	14,816	222,439	29,659	29,135	6,905	70,107	İ	412	153,588
1979	1,090,006	233,707	12,345	345,095	36,840	54,120	9,314	114,085	14,230	211	269,058

* Excluding the United Kingdom.

Source: Monthly Digest of Statistics, December 1984, CSO

A-8 Imports by Region

Total Sterling African European Tree Buropean Tree Countries Gommunity* Association Countries Bloc Area Countries Countries Countries Countries Countries Countries Countries Countries Gommunity* Association Countries Bloc Area Countries C													
1970 340,711 199,790 2,852 43,868 14,465 3,210 4,217 35,528 1,098 10,435 1971 399,282 219,678 2,686 59,570 15,066 2,538 3,338 48,352 2,267 13,352 1972 402,471 209,493 1,337 61,564 15,547 4,767 6,048 36,699 643 15,906 1973 346,867 161,290 736 57,681 19,980 6,380 2,289 35,190 645 21,145 1974 506,636 197,919 1,234 96,136 27,659 6,347 2,444 47,826 1,871 50,975 1976 468,748 188,585 806 86,158 24,975 10,452 1,662 57,053 406 65,370 1977 529,970 202,839 586 114,826 31,228 9,959 1,646 65,868 176 68,813 1978 492,827 194,416 468 102,176 36,585 8,082 2,038 46,775 321 70,114 1979 593,640 265,578 1,504 94,279 31,783 16,842 4,062 57,886 702 92,714 *Excluding the United Kingdom.			Total	Sterling Area	Other African Countries	European Economic Community*	European Free Trade Association	Other European Countries	Soviet Bloc	Dollar Area	Latin America (Non- Dollar)	Middle Eastern Countries	Other Asian Countries
1971 399,282 219,678 2,686 59,570 15,066 2,538 3,358 48,352 2,267 13,352 1972 402,471 209,493 1,337 61,564 15,547 4,767 6,048 36,699 643 15,906 1973 346,867 161,290 736 57,681 19,980 6,380 2,289 35,190 645 21,145 1974 506,636 197,919 1,234 96,136 27,659 6,347 2,444 47,826 1,871 50,975 1975 597,611 200,928 1,264 108,182 35,127 7,718 2,413 90,405 1,326 76,044 1976 468,748 188,585 806 86,158 24,975 10,452 1,662 57,053 406 65,370 1977 529,970 202,839 586 114,826 31,238 9,959 1,646 65,888 176 68,813 1978 492,827 194,416 468 102,176 36,585 8,082 2,038 46,775 321 70,114 1979 593,640 265,578 1,504 94,279 31,783 16,842 4,062 57,886 702 92,714 * Excluding the United Kingdom.		1970	340,711	199,790	2,852	43,868	14,465	3,210	4,217	35,528	1,098	10,435	25,248
1972 402,471 209,493 1,337 61,564 15,547 4,767 6,048 36,699 643 15,906 1973 346,867 161,290 736 57,681 19,980 6,380 2,289 35,190 645 21,145 1974 506,636 197,919 1,234 96,136 27,659 6,347 2,444 47,826 1,871 50,975 1975 597,611 200,928 1,264 108,182 36,127 7,718 2,413 90,405 1,326 76,044 1976 468,748 188,585 806 86,158 24,975 10,452 1,662 57,053 406 65,370 1977 529,970 202,839 586 114,826 31,238 9,959 1,646 65,868 176 68,813 1978 492,827 194,416 468 102,176 36,585 8,082 2,038 46,775 321 70,114 1979 593,640 265,578 1,504 94,279 31,783 16,842 4,062 57,886 702 92,714 * Excluding the United Kingdom. Source: Monthly Digest of Statistics, December 1984, CSO	-	1971	399,282	219,678	2,686	59,570	15,066	2,538	3,358	48,352	2,267	13,352	32,415
1973 346,867 161,290 736 57,681 19,980 6,380 2,289 35,190 645 21,145 1974 506,636 197,919 1,234 96,136 27,659 6,347 2,444 47,826 1,871 50,975 1975 597,611 200,928 1,264 108,182 36,127 7,718 2,413 90,405 1,326 76,044 1976 468,748 188,585 806 86,158 24,975 10,452 1,662 57,053 406 65,370 1977 529,970 202,839 586 114,826 31,238 9,959 1,646 65,868 176 68,813 1978 492,827 194,416 468 102,176 36,585 8,082 2,038 46,775 321 70,114 1979 593,640 265,578 1,504 94,279 31,783 16,842 4,062 57,886 702 92,714 * Excluding the United Kingdom. * Source: Monthly Digest of Statistics, December 1984, CSO	-	972	402,471	209,493	1,337	61,564	15,547	4,767	6,048	36,699	643	15,906	50,469
1974 506,636 197,919 1,234 96,136 27,659 6,347 2,444 47,826 1,871 50,975 1975 597,611 200,928 1,264 108,182 36,127 7,718 2,413 90,405 1,326 76,044 1975 597,611 200,928 1,264 108,182 24,975 10,452 1,662 57,053 406 65,370 1977 529,970 202,839 586 114,826 31,238 9,959 1,646 65,868 176 68,813 1978 492,827 194,416 468 102,176 36,585 8,082 2,038 46,775 321 70,114 1979 593,640 265,578 1,504 94,279 31,783 16,842 4,062 57,886 702 92,714 * Excluding the United Kingdom.	٠.	.973	346,867	161,290	736	57,681	19,980	6,380	2,289	35,190	645	21,145	41,531
1975 597,611 200,928 1,264 108,182 36,127 7,718 2,413 90,405 1,326 76,044 1976 468,748 188,585 806 86,158 24,975 10,452 1,662 57,053 406 65,370 1977 529,970 202,839 586 114,826 31,238 9,959 1,646 65,868 176 68,813 1978 492,827 194,416 468 102,176 36,585 8,082 2,038 46,775 321 70,114 1979 593,640 265,578 1,504 94,279 31,783 16,842 4,062 57,886 702 92,714 * Excluding the United Kingdom. Source: Monthly Digest of Statistics, December 1984, CSO		974	506,636	197,919	1,234	96,136	27,659	6,347	2,444	47,826	1,871	50,975	74,225
468,748 188,585 806 86,158 24,975 10,452 1,662 57,053 406 65,370 529,970 202,839 586 114,826 31,238 9,959 1,646 65,868 176 68,813 492,827 194,416 468 102,176 36,585 8,082 2,038 46,775 321 70,114 593,640 265,578 1,504 94,279 31,783 16,842 4,062 57,886 702 92,714 11uding the United Kingdom.		.975	597,611	200,928	1,264		36,127	7,718	2,413	90,405	1,326	76,044	73,204
529,970 202,839 586 114,826 31,238 9,959 1,646 65,868 176 68,813 492,827 194,416 468 102,176 36,585 8,082 2,038 46,775 321 70,114 593,640 265,578 1,504 94,279 31,783 16,842 4,062 57,886 702 92,714 1uding the United Kingdom.	+1	976	468,748	188,585	806	86,158	24,975	10,452	1,662	57,053	907	65,370	33,281
492,827 194,416 468 102,176 36,585 8,082 2,038 46,775 321 70,114 593,640 265,578 1,504 94,279 31,783 16,842 4,062 57,886 702 92,714 luding the United Kingdom. Sluding the United Kingdom. Tree: Monthly Digest of Statistics, December 1984, CSO		977	529,970	202,839	586	114,826	31,238	9,959	1,646	65,868	176	68,813	34,019
593,640 265,578 1,504 94,279 31,783 16,842 4,062 57,886 702 92,714 sluding the United Kingdom. Sluding the United Kingdom. Tree: Monthly Digest of Statistics, December 1984, CSO	:	978	492,827	194,416	7468	102,176	36,585	8,082	2,038	46,775	321	70,114	31,854
atistics, December 1984,	गेल ी	979	593,640	265,578	1,504	94,279	31,783	16,842	4,062	57,886	702	92,714	28,289
Monthly Digest of Statistics, December 1984,	*	Exclud	ling the U	nited King	dom.								
Monthly Digest of Statistics, December 1984,													
		Source	: Monthly	7 Digest of	: Statistic								

A-9 Exports of Principal Commodities

Timber	K,000	529	423	100	ហ	1	50	•.	1	ŧ	i	1 e	ı	ł		
	K'000	1	177	100	2,643	7,632	1,434	•	513	3,517	7,830	l	į	1	f	
Maize	Tonne	09	8,593	1,836	50,086	111,212	16,621		8,808	25,606	61,008	. I	l		i	
00	м, 000	2,852	3,512	2,737	4,758	5,798	4,963		5,095	5,783	3,481	2,577	2,714	4,025	1,585	
Tobacco	Tonne	4,041	5,212	4,181	5,048	4,872	5,337		4,596	3,425	1,610	1,631	2,537	1,231	8 22 33	
Cobalt	к,000	6,342	4,125	8,590	4,862	7,926	7,066		15,939	16,226	36,679	129,891	87,492	38,979	25,879	
Ö	Tonne	1,814	1,189	2,329	1,145	1,894	1,344		2,312	1,682	1,793	3,060	2,059	2,211	2,451	
70	K'000	4,874	4,557	5,596	5,411	7,150	5,665	· · · · ·	4,421	5,705	3,277	6,079	6,528	5,132	4,687	
Lead	Tonne	22,079	23,895	26,694	120,012	18,776	9,376		14,768	11,673	6,649	8,465	8,749	8,282	9,088	
οι	×,000	10,961	11,507	16,368	16,666	25,162	20,346		26,552	17,920	17,630	27,078	19,597	22,895	25,002	
Zinc	Tonne	50,334	49,453	60,572	51,115	50,227	41,264		51,160	36,470	35,437	42,086	31,781	31,520	32,992	
Copper	K'm	681.4	450.2	490.9	698.3	838.5	472.0	:	688.6	644.9	597.7	897.2	872.4	835.6	855.4	
අ රා	.000 Tonne	684	635	711	670	673.4	641.2	٠.	745.7	9.999	589.2	651.8	681.1	551.8	909	
			•						: .		•		:		:	
			•			•			•	. :	•	•	•		:	
		1970	1971	1972	1973	1974	1975		1976	1977	1978	1979	1980	1981	1982	

Source: Monthly Digest of Statistics, December 1984, CSO

A-10 Table-Value of Imports by SITC Section

											;			• .
0)	Miscel- laneous trans- actions	1,094	1,448	1,365	1,753	2,809	3,250	783	347	399	1,422	772	1,953	938
(K '000)	Miscel- laneous manu- factured articles	30,540	27,257	35,377	25,383	36,431	28,693	18,996	19,260	18,014	23,775	29,319	29,608	26,960
	Machinery and transport equip- ment	131,716	160,115	168,009	138,911	165,795	211,300	166,904	205,102	175,864	201,162	302,340	314,443	320,996
	Manu- factures classified by materials	74,797	84,786	87,918	77,339	129,996	140,211	96,789	117,856	98,064	121,689	178,556	173,480	165,774
	Chemicals	26,021	31,638	33,041	35,136	48,445	77,293	68,184	58,928	65,031	79,128	108,296	126,302	148,947
	Oils and fats	4,456	4,516	3,907	4,323	6,770	9,037	10,684	9,108	7,169	10,018	7,386	10,673	11,820
	Electricity and mineral fuels	35,184	32,235	26,523	33,285	61,095	81,115	72,616	81,010	86,978	106,363	198,284	202,439	193,106
	Crude materials	5,277	7,629	7,943	5,420	10,363	9,892	7,198	8,807	9,020	10,965	12,108	13,570	11,047
	Beverages and tobacco	1,175	1,417	1,250	973	1,130	1,018	884	879	678	1,299	775	1,175	1,007
	о 0 4	30,451	43,193	37,138	24,344	43,801	35,747	25,706	28,672	31,611	37,820	38,850	50,799	49,402
	Total	340,711	399,282	402,471	346,867	506,636	597,611	468,748	529,970	492,827	593,640	876,686	924,444	929,997 49,402
	The cut on the de	:	•	:	:	:			; • · · ·					
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	:	:	:								:		
	: : : : :	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982

Source: Monthly Digest of Statistics, December 1984, CSO

A-11 Mineral Production in Zambia, 1970 - 1982

Other	Value (K'000)	4,227	7,612	7,747	10,563	11,339	41,108	40,815	43,230
	Value (K'000)	1,228	1,887	7,930	12,031	15,902	17,527	16,988	22,346
Coal	Qty '000' Tonnes	623.2	936.5	809.5	762.0	615.1	579.1	507.3	603.9
174	Value (K'000)	5,159	4,653	8,027	3,032	5,534	6,098	5,371	6,017
Lead	Qty '000' Tonnes	27.3	25.9	24.5	13.5	12.7	10.0	<u>თ</u>	14.6
Ų	Value (K'000)	10,302	13,695	26,375	17,176	17,160	16,777	23,537	27,630
Zinc	Qty '000' Tonnes	53.5	55.9	58.3	37.1	42.5	32.7	33.3	39.2
i i	Value (K'000)	4,522	668'9	9,461	10,762	35,342	141,734	91,774	45,258
Cobalt	Qty Tonnes	2,052	2,055	1,964	1,620	1,560	3,309	2,569	2,444
er	Value (K'000)	683.3 648,020	479,816	876,664	633,660	557,408	955,359	781,463	716,820
Copper	Qty '000' Tonnes	683.3	698.0	702.1	712.9	655.6	609.5	560.6	584.4
	Total Value (K'000)	673,508	514,562	936,204	687,224	642,685	1,178,603	959,948	861,301
	Year	1970	1972	1974	1976	1978	1980	1981	1982

Note: Qty is Quantity.

Source: Country Profile, Zambia 1984, CSO

A-12 Share in Value of Selected Commodities in Total Imports

		:			(*)
	1970	1974	1978	1980	1982
Machinery and transport equipment	39	33	36	35	35
Electricity and mineral fuels	10	12	18	23	21
Manufactures classified by material	22	26	19	20	18
Chemicals	8	10	13	12	16
Food	9	9, ·	6	4	5
All Other Imports	12	10	8	6	. 5
Total	100	100	100	100	100

Source: Central Statistical Office

A-13 Average Capacity Utilization by Sector 1982-83

(%)

Sector	Average Capacity Utiliza	ation
Food, Beverages and Tobacco	58	
Textiles, Garments and Leather	72	
Wood and Wood Products	30	
Paper and Paper Products	35	• • •
Non-metallic Mineral Manufactures	75	
Chemicals and Chemical Products	40	
Metal Manufactures, Machinery, etc.	50	
TOTAL (Average)	58	

Source: "Restructuring in the Midst of Crisis," 1984, the Government of Zambia

A-14 Performance in Manufacturing Industry

(Growth Rates, Percent Per Annum)

	<u> </u>			
	1975-80	1980-81	1981-82	1982-83
Fcod	0.75	9.15	-5.00	15.60
Beverage & Tobacco	1.83	15.10	-3.00	7.60
Textiles & Wearing Apparel	11.90	12.50	4.75	0.30
Wood & Wood Products	-6.40	34.80	-11.30	-30.90
Paper & Paper Products (Including Printing)	-6.80	-5.00	0,	71.10
Chemicals & Chemical Products	-30.40	-15.00	24.15	-0.60
Non-Metallic Mineral Products	4.20	19.80	-1.90	-28.70
Basic Metal Products)	-4.12	-16.00	3.80	-1.20
Fabricated Metal Products)				
Machinery & Equipment)				
Others	-10.60	0.00	-25.00	0.00
Total Manufacturing	0,66	10.50	3.90	6.65

A-15 Implementation Costs and Financial Status by Sector as Planned in SATCC

				(US dolla	rs million)
		nated cost ent prices		Finar	ncing	
Sector	Total	Foreig curren	n Amount	cured Per cent	Under dis Amount F	
Operational co-ordination and training	12.2	12.2	4.8	39	4.4	4
Roads	826	621	164	20	123	15
Railways	978	827	239	24	175	18
Ports and water transport	661	494	65	10	63	10
Civil aviation	100	80	52	52	16	16
Telecommunication	277	236	154	56	71	26
Total	2854	2271	678	24	452	16

Source: SADOC Report on Transport and Communications, Feb. 1984

A-16 Tourist Arrivals by Region of Permanent Residence and by Mode of Travel

	1 PT X D	1001		198	2	198	·
REGION	YEAR MODE	1981 NUMBER	SHARE	NUMBER	SHARE	NUMBER	SHARE
	AIR	14,568	12.9%	8,889	9.3%	6,547	6.3%
	RAIL	978	0.9	1,237	1.3	1,227	1.2
AFRICA	ROAD	93,052	82.1	79,582	83.4	88,797	85.8
	SHIP	4,753	4.2	5,742	6.0	6,873	6.6
	SUB-TOTAL	113,351	77.3	95,450	80.5	103,444	84.8
	AIR	3,088	59.8	1,755	53.1	1,448	49.9
	RAIL	- 26	0.5	22	0.7	39	1.3
AMERICAS	ROAD	2,041	39.5	1,506	45.6	1,395	48.1
	SHIP	12	0.2	25	0.8	20	0.7
÷ .	SUB-TOTAL	5,167	3.5	3,308	2.8	2,902	2.4
	AIR	3,285	79.3	2,182	76.3	1,605	76.0
	RAIL	43	1.0	3,5	1.2	51	2.4
ASIA	ROAD	809	19.5	639	22.3	441	20.9
	SHIP	5	0.1	5	0.2	16	0.8
•	SUB-TOTAL	4,142	2.8	2,861	2,4	2,113	1.7
	AIR	15,270	67.3	9,028	57.4	6,965	57.0
	RAIL	191	0.8	199	1.3	159	1.3
EUROPE	ROAD	7,159	31.6	6,359	40.5	4,934	40.4
	SHIP	63	0.3	134	0.9	167	1.4
	SUB-TOTAL	22,683	15.5	15,720	13.3	12,225	10.0
:	AIR	510	39.9	373	30.0	296	22.0
	RAIL	25	2.0	33	2.7	28	2.9
OCEANIA	ROAD	736	57.5	809	65.3	1,007	75.0
	SHIP	10	0.8	24	2.0	15	1.1
	SUB-TOTAL	1,281	0.9	1,239	1.0	1,346	1.1
	AIR	17	68.0		<u>*-</u>	2	9.5
	RAIL	· · · · · -	***	-	-	-	-
NOT STATED	ROAD	8	32.0	-	 .	19	90.1
	SHIP				: -	. / : : : : : : : : : : : : : : : : : :	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
:·	TOTAL	25	.01	_		21	.01
	AIR	36,738	25.0	22,227	18.7	16,863	13.8
	RAIL	1,263	0.9	1,526	1.3	1,504	1.2
GRAND TOTAL	ROAD	103,805	70.8	88,896	75.0	96,593	79.2
	SHIP	4,843	3.3	5,930	5.0	7,091	5,8
•	TOTAL	146,649	100.0	118,579	100.0	122,051	100.0

Source: Fourth Annual Report 1983, Zambia National Tourist Board

A-17 Visitors by Country of Permanent Residence

Country of Residence	1976	1977	1978	1979	1980	1981	1982	1983
C C 2 2 2 4	•	, C	,	Ç	١	ć	2	
No. To Swall a	- L	- - - - - - - - - - - - - -) t	V	0 (- (50,0	יי מי	90
alawı	5	77	7 (07/	ر ا ا	0	707	.ન છે. છે.
Zimbabwe	4.	99	ω, ω	36	3,67	7,69	0,89	1,25
South Africa	0.0	69	,95	5.0	64	33	3,78	19
anzar	83	77	9	,76	6,80	9,34	60,0	9,64
Zaire	TT,	,17	77	65	43	4,96	5,98	1,76
Rest of Africa	6,025	5,710	7,601	6,255	5,987	12,574	12,332	13,519
U.S.A.	, 70	00,	,28	83	117	80	2,33	5
Rest of America	ഗ	00	75	76	122	,27	97	76
India	Q)	Q	Ò	r~	48	31	S	ന
Japan	EC)	∞.	ന	,07	65	63	47	∞
Rest of Asia	4	\circ	Q)	S	88	13	86	ďή
Belgium	-	1	ന	ω	S	∞	20	ហ
Germany F.R.	H	ത	Q)	-	,27	0.0	Q)	
France	0	~	r-I	മ	J.	8	(C)	N
Italy	0	~	4	0	C۷.	Ó	\circ	\circ
Netherlands	Q	\sim	'n	'n	\circ	\circ	N	M
Sweden	ത	57	Ø.	S	S	∞	3	N
C.K.	Q	0	80	89	21	76,	36	,86
Rest of Europe	73	0,0	0	ത	ന	0	4	S
~ન	1	0	4	0	8	, 28	,23	34
Not Stated	∞			7	7	7		:
Total	56,165	49,106	53,327	53,885	186,931	146,649	118,627	122,051

Source: Monthly Digest of Statistics, December 1984, CSO

A-18 Visitors by Route of Travel and by Reason of Visit

				1 1		Arriving Visitors	rs (2)			
	Ε. α 1 .		Bχ	Route of	Travel			By Reason	of Visit	
	d 3 3 3	Road	Rail	Air	Ship	Not Stated (3)	Holiday	Business	Transit	Other (1)
1973	41,109	19,447	158	20,193	1,094	217	12,677	15,585	4,871	7,967
1974	44,265	19,364	936	21,997	1,245	723	7,636	14,439	5,569	16,621
1975	51,680	24,719	1,393	24,188	1,268	112	00'6	17,706	6,008	18,965
1976	56,165	30,134	994	25,021	9	10	7,678	15,341	9,290	23,856
1977	49,106	23,319	282	25,452	. 1	က	5,616	11,865	8,966	22,661
1978	53,327	22,023	4,365	25,970	696	l	5,429	14,325	8,969	24,604
1979	53,885	28,637	728	24,201	319		4,807	18,017	6,672	24,389
1980	86,931	57,115	1,349	26,638	1,829		11,501	25,860	16,399	33,171
1981	146,649	103,805	1,263	36,738	4,843	1	18,341	32,404	27,773	68,131
1982	118,627	88,896	1,526	22,217	5,930	ထိ	13,786	23,003	30,854	50,984
1983	122,051	96,593	1,504	16,863	7,091		11,008	23,498	30,197	57,348

Other includes visitors to friends and relatives, visitors not falling into any of the specified categories and reason not stated. (T)

Source: Monthly Digest of Statistics, December 1984, CSO

From 1971 intending immigrants' are included in 'immigrants' (2)

⁽³⁾ Category not stated was introduced in November, 1973.

APPENDIX B

SUPPLEMENTAL MATERIALS ON AIR TRAFFIC DEMAND FORECAST (CHAPTER 2)

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			·			
· .	447					

B-1 Civil Aviation: Passenger and Freight Traffic and Aircraft Movements

		Passengers (hundreds)	hundreds	3)	<u>.</u>	Freight (hundred kg)	ndred kg)		Mail (hundred kg)	(8	Aircraft	Aircraft Movements (*)	(*)	
											δ	Commercial		Private.
	Embarked	Embarked Disembarked	Total	Stopping in Transit	Loaded	aded Unloaded	Total	Loaded	Loaded Unloaded Total	Total	Scheduled	Non- scheduled	Total	Military and Other
1970	2,561	2,561	5,122	320	19,170	,170 82,420	101,590	3,724	4,102	7,826	7,826 14,766	7,270	22,036	76,263
1971	3,004	2,996	6,000	386	25,375	101,464	126,839	5,387	6,213	11,600	17,821	9,015	26,836	676,89
1972	2,677	2,697	5,374	364	24,070	78,985	103,055	5,328	7,303	12,631	19,071	767*	26,565	24,604
1973	2,593	2,630	5,223	473	32,780	209,400	242,180	4,916	6,818	11,734	16,334	5,745	22,079	54,381
1974	2,532	2,754	5,286	333	31,730	238,728	270,458	5,270	8,525	13,795	15,711	7,474	23,185	49,783
1975	2,872	2,825	5,697	339	34,482	238,221	272,703	3,812	5,798	9,610	16,274	9,369	25,643	34,390
1976	3,315	3,256	6,571	158	48,705	211,850	260,555	3,295	5,080	8,375	16,862	9,773	26,635	26,168
1977	3,566	3,721	7,287	84	57,535	163,886	221,421	4 ,000	4,550	8,550	16,468	9,154	25,622	27,646
1978	4,015	4,203	8,218	114	161,89	144,773	212,964	3,623	4,258	7,881	18,469	8,946	27,415	24,021
1979	4,332	3,642	7,974	115	53,178	171,311	224,489	2,947	3,946	6,893	18,005	3,385	21,390	17,675
1980	3,324	3,074	6,398	109	36,790	192,116	228,906	3,362	4,839	8,201	15,963	5,748	21,571	17,415
1981	3,416	3,446	6,862	65	47,076	125,786	172,862	3,482	766,4	8,479	16,637	7,773	24,286	17,157
1982	3,284	3,417	6,701	7.5	32,357	119,474	151,831	2,355	5,509	7,864	16,527	8,057	24,584	18,130
1983	2,563	2,926	5,489	. 1	24,213	64,876	680,68	2,722	4,241	6,963	17,804	1,485	19,429	11,492

(*) Landing and take-off each counted as one movement.

Note: For 1964-70, the following aerodromes are included: Lusaka, Ndola, Livingstone, Mbala, Chipata, Mansa, Kasama and Mongu. From 1971 the following aerodromes are also included: Sesheke, Senanga, Kalabo, Lukulu, Zambezi, Kaoma and Kitwe.

B-2 Lusaka International Airport Traffic Statistics

COMMERCIAL SCHEDULED JET 3.66S 3.676 3.570 COMMERCIAL SCHEDULED FROP 3,437 3.581 4,878 COMMERCIAL JET 558 693 1.797 NON *SCHEDULED FROP 3,752 6,813 5,810 TOTAL COMMERCIAL 11,415 12,890 16,055 MILITARY 2,999 3,373 2,109 PRIVATE 2,999 3,373 2,109 MILITARY 10,108 14,850 13,713 GRAND TOTAL 16,108 14,850 13,713 GRAND TOTAL 16,108 14,850 13,713 TOTAL DISEMARKED PROP 39,747 54,922 79,850 TOTAL DISEMARKED 139,691 166,524 17,739 FRANKED PROP 45,275 47,290 83,823 TOTAL TRANSIT N/A N/A N/A N/A TOTAL TRANSIT N/A N/A N/A N/A TOTAL TRANSICO 2,106,834 2,750	DILED FROP 3,437 3,581 4,878 JET 558 6,815 5,810 PROP 3,752 6,815 5,810 11,415 12,890 16,055 2,348 2,108 2,070 2,999 3,373 2,109 2,999 3,373 2,109 DET 99,944 111,622 92,889 PROP 39,747 54,922 79,850 DET 97,132 98,838 94,161 PROP 45,275 47,290 83,823 156,407 146,120 177,984 N/A N/A N/A N/A 19,276,650 23,225,326 18,424,498 2,106,834 2,750,724 3,092,424 21,383,484 26,006,050 21,516,922 421,777 3510,113 332,425 295,013 361,070 191,461		ITEM	YEAR	1973	1974	1975		1976	1976 1977		1977
RCIAL DET 558 893 CHEDULED PROP 3,752 6,815 COMMERCIAL 11,415 12,890 1 ARY LOCAL 2,999 3,373 LOCAL 3,815 2,986 ARY LOCAL 16,108 14,850 1 TOTAL 36,685 30,724 3 DISEMBARKED PROP 39,747 54,922 7 DISEMBARKED PROP 39,747 54,922 7 DISEMBARKED PROP 39,747 54,922 7 TRANSIT N/A N/A N/A PASSENCERS 296,098 312,672 35 DAN (KGS) 19,276,650 23,255,326 18,42 LID (KGS) 21,383,484 2,750,724 3,09	PROP 3,437 3,581 JET 558 6,815 PROP 3,752 6,815 11,415 12,890 1 2,948 2,108 2,949 3,373 3,815 2,988 16,106 14,850 1 PROP 39,747 54,922 7 D 139,685 30,724 3 PROP 49,275 47,290 8 PROP 49,275 47,290 8 PROP 49,275 47,290 8 156,407 146,120 17 N/A N/A N/A 296,098 312,672 35 2,106,834 2,756,724 3,09 21,383,484 26,006,050 21,51 225,013 361,070 19 255,013 361,070 19		CAMMEDIAL SCHEDINED	JET	3,668	3,876		3,570	3,570 3,819		3,819	3,619 3,474
RCIAL PROP 558 893 CHEDULED PROP 3,752 6,815 COMMERCIAL 11,415 12,890 1 ARY 2,348 2,108 1 ARY 2,999 3,373 1 TE 2,999 3,373 1 ARY LOCAL 3,815 2,986 1 ARY LOCAL 36,685 30,724 3 ARY LOCAL 36,685 30,724 3 DISEMBRED PROP 39,944 111,622 9 BARKED PROP 39,747 54,922 7 DISEMBRED PROP 45,275 47,290 8 EMBARKED PROP 45,275 47,290 8 EMBARKED PROP 45,275 47,290 8 EMBARKED PROSERICERS 296,098 312,672 35 DAM N/A N/A N/A 3,09 DAM 2,106,834 2,750,724 3,09 <td>JET 558 693 PROP 3,752 6,815 11,415 12,690 1 2,348 2,108 2,399 3,373 3,815 2,988 16,108 14,850 1 36,685 30,724 3 PROP 39,944 111,622 9 PROP 39,747 54,922 7 D JET 99,944 111,622 9 PROP 39,747 54,922 7 D JET 97,132 96,838 9 PROP 45,275 47,290 8 156,407 146,120 17 19,276,650 23,255,326 18,42 2,106,834 2,750,724 3,09 21,383,484 26,006,050 21,51 421,777 510,113 37 295,013 361,070 19</td> <td></td> <td>CONTRACTOR SCREENING</td> <td>PROP</td> <td>3,437</td> <td>3,581</td> <td>4,8</td> <td>878</td> <td>378 4.659</td> <td></td> <td>4,659</td> <td>4,659 4,777</td>	JET 558 693 PROP 3,752 6,815 11,415 12,690 1 2,348 2,108 2,399 3,373 3,815 2,988 16,108 14,850 1 36,685 30,724 3 PROP 39,944 111,622 9 PROP 39,747 54,922 7 D JET 99,944 111,622 9 PROP 39,747 54,922 7 D JET 97,132 96,838 9 PROP 45,275 47,290 8 156,407 146,120 17 19,276,650 23,255,326 18,42 2,106,834 2,750,724 3,09 21,383,484 26,006,050 21,51 421,777 510,113 37 295,013 361,070 19		CONTRACTOR SCREENING	PROP	3,437	3,581	4,8	878	378 4.659		4,659	4,659 4,777
PROP 3,752 6,815 COMMERCIAL 11,415 12,890 1 ARY 2,348 2,108 TE 2,999 3,373 LOCAL 3,815 2,988 ARY LOCAL 16,108 14,850 1 TOTAL 36,685 30,724 3 DISEMBARKED PROP 39,944 111,622 9 BARKED PROP 39,747 54,922 7 DISEMBARKED 780P 45,275 47,290 8 EMBARKED 780P 45,275 47,290 8 EMBARKED 156,407 146,120 17 TRANSIT N/A N/A N/A PASSENCERS 296,098 312,672 35 JED (KGS) 2,106,834 2,750,724 3,09 TED (KGS) 2,1531,484 26,006,050 21,51	PROP 3,752 6,815 11,415 12,890 1 2,999 3,373 3,815 2,988 16,108 14,850 1 36,685 30,724 3 PROP 39,747 54,922 7 PROP 39,747 54,920 8 PROP 39,747 146,120 17 N/A N/A 296,098 312,672 35 19,276,650 23,255,326 18,42 2,106,834 2,750,724 3,09 21,383,484 26,006,050 21,51 421,777 510,113 37 295,013 361,070 19	S	COMMERCIAL NON SCHEDILED	JET	558	893	1.797	[1,726		1,726	1,726 1,742
ARY ARY 2,348 2,108 TE 2,999 3,373 LOCAL 3,815 2,988 ARY LOCAL ARY	2,348 2,108 2,348 2,108 2,999 3,373 3,815 2,988 16,108 14,850 1 36,685 30,724 3 36,685 30,724 3 PROP 39,944 111,622 9 PROP 49,275 47,290 8 156,407 146,120 17 N/A N/A N/A N/A 19,276,650 23,255,326 18,42 2,106,834 2,750,724 3,09 21,383,484 26,006,050 21,51 295,013 361,070 19			PROP	3,752	6,815	5,810		5,627	5,627 5,043		5,043
ARX TE 2,999 3,373 LOCAL LOCAL 16,108 14,850 1 TOTAL 36,685 30,724 3 ARY LOCAL TOTAL 16,108 14,850 1 TOTAL 36,685 30,724 3 ARXED PROP 39,944 111,622 9 BARKED PROP 39,747 54,922 7 TRANSIT N/A N/A N/A PASSENGERS 296,098 312,672 35,006,050 21,383,484 26,006,050 21,51	2,348 2,108 2,999 3,373 3,815 2,988 16,108 14,850 1 36,685 30,724 3 36,685 30,724 3 PROP 39,944 111,622 9 PROP 39,747 54,922 7 D JET 99,944 111,622 9 PROP 39,747 54,922 7 N/A N/A N/A N/A 156,407 146,120 17 19,276,650 23,255,326 18,42 2,106,834 2,750,724 3,09 21,383,484 26,006,050 21,51 21,383,484 26,006,050 21,51 225,013 361,070 19		TOTAL COMMERCIAL		11,415	12,890	16,055		15,831	15,831 15,036		15,036
TE 2,999 3,373 LOCAL 3,815 2,988 ARY LOCAL 16,108 14,850 1 TOTAL 36,685 30,724 3 DISEMBARKED 139,691 111,622 9 KED FROP 39,747 54,922 7 DISEMBARKED 135,691 166,544 17 TRANSIT 97,132 95,838 9 EMBARKED 156,407 146,120 17 TRANSIT N/A N/A N/A PASSENCERS 296,098 312,672 35 JET (KGS) 2,255,326 18,42 TED (KGS) 2,106,834 2,750,724 3,09 TED (KGS) 2,1,383,484 26,006,050 21,51	2,999 3,373 3,815 2,988 16,108 14,850 1 36,685 30,724 3 PROP 39,944 111,622 9 PROP 39,747 54,922 7 D 139,691 166,544 17 N/A N/A N/A 296,098 312,672 35 296,098 312,672 35 2,106,834 2,750,724 3,09 21,383,484 26,006,050 21,51 421,777 510,113 37 295,013 361,070 19		MILITARY	-	2,348	2,108	2,070		2,109	2,109 2,037		2,037
ARY LOCAL ARY LOCAL TOTAL JET 99,944 111,622 BARKED PROP 39,747 54,922 DISEMBRRED PROP 39,747 54,922 DISEMBRRED PROP 139,691 166,544 1 IN/A PASSENGERS TRANSIT N/A PASSENGERS 296,098 312,672 3,006,050 21,53 21,533,484 26,006,050 21,55	3,815 2,988 16,108 14,850 36,685 30,724 D 39,944 111,622 PROP 39,747 54,922 PROP 45,275 47,290 155,407 146,120 1 N/A N/A 296,098 312,672 3,0 2,106,834 2,750,724 3,0 21,383,484 26,006,050 21,5 21,383,484 26,006,050 21,5 295,013 361,070 1		PRIVATE		2,999	3,373	2,109		1,523	1,523 2,195		2,195
ARY LOCAL TOTAL 36,685 30,724 35,948 BARKED PROP 39,747 54,922 79,889 DISEMBARKED DISEMBARKED PROP 39,747 34,922 79,889 139,691 166,544 172,739 172,739 PROP 49,275 47,290 83,823 EMBARKED TRANSIT N/A N/A N/A N/A N/A N/A N/A N/	16,108 14,850 13,713 36,685 30,724 35,948 JET 99,944 111,622 92,889 PROP 39,747 54,922 79,850 D 139,691 166,544 172,739 JET 97,132 98,838 94,161 PROP 49,275 47,290 83,823 156,407 146,120 177,984 N/A N/A N/A N/A 296,098 312,672 350,723 19,276,650 23,255,326 18,424,498 2,106,834 2,750,724 3,092,424 21,383,484 26,006,050 21,516,922 421,777 510,113 372,425 295,013 361,070 191,461		CIVIL LOCAL		3,815	2,988	2,001		3,566	3,566 5,166		5,166
TOTAL 36,685 30,724 35,948 BARKED FROP 39,747 54,922 79,850 DISEMBARKED 139,691 166,544 172,739 KED FROP 45,275 47,290 83,823 EMBARKED 156,407 146,120 177,984 TRANSIT N/A N/A N/A PASSENGERS 296,098 312,672 350,723 JAN (KGS) 19,276,650 23,255,326 18,424,496 IED (KGS) 2,106,934 2,750,724 3,092,424 SED (KGS) 21,383,484 26,006,050 21,516,922	JET 99,944 111,622 92,889 PROP 39,747 54,922 79,850 D 139,691 166,544 172,739 JET 97,132 96,838 94,161 PROP 49,275 47,290 83,823 N/A N/A N/A N/A 156,407 146,120 177,984 296,098 312,672 350,723 19,276,650 23,255,326 18,424,496 2,106,834 2,750,724 3,092,424 21,383,484 26,006,050 21,516,922 421,777 510,113 372,425 255,013 361,070 191,461		MILITARY LOCAL		16,108	14,850	13,713		8888	8,888 7,618		7,618
SARKED JET 99,944 111,622 92,869 DISEMBARKED 139,691 166,544 172,739 KED FROP 45,275 47,290 83,823 EMBARKED 156,407 146,120 177,984 TRANSIT N/A N/A N/A PASSENGERS 296,098 312,672 350,723 JMN (KGS) 19,276,650 23,255,326 18,424,496 TED (KGS) 2,106,834 2,750,724 3,092,424 21,383,484 26,006,050 21,516,922	D 139,691 111,622 92,869 PROP 39,747 54,922 79,850 D 139,691 166,544 172,739 DET 97,132 98,838 94,161 PROP 49,275 47,290 83,823 156,407 146,120 177,984 N/A N/A N/A N/A 296,098 312,672 350,723 19,276,650 23,255,326 18,424,496 2,106,834 2,750,724 3,092,424 21,383,484 26,006,050 21,516,922 421,777 510,113 372,425 295,013 361,070 191,461		GRAND TOTAL		36,685	30,724	35,948		716,18	31,917 32,052		32,052
PROP 39,747 54,922 79,850 DISEMBARKED 139,691 166,544 172,739 KED 7ROP 49,275 47,290 83,823 EMBARKED 156,407 146,120 177,984 TRANSIT N/A N/A N/A PASSENCERS 296,098 312,672 350,723 JHN (KGS) 2,106,834 2,750,724 3,092,424 Z1,383,484 26,006,050 21,516,922	PROP 39,747 54,922 79,850 D 139,691 166,544 172,739 JET 97,132 98,838 94,161 FROP 49,275 47,290 83,823 156,407 146,120 177,984 N/A N/A N/A N/A 19,276,650 23,255,326 18,424,498 2,106,834 2,750,724 3,092,424 21,383,484 26,006,050 21,516,922 421,777 510,113 372,425 295,013 361,070 191,461		uazayaya31u	JET	776.66	111,622	92,889		109,968	109,968 117,210		117,210
DISEMBARKED 139,691 166,544 172,739 KED FROP 49,275 47,290 83,823 EMBARKED 156,407 146,120 177,984 TRANSIT N/A N/A N/A PASSENGERS 296,098 312,672 350,723 MAN (KGS) 19,276,650 23,255,326 18,424,496 IED (KGS) 2,106,834 2,750,724 3,092,424 Z1,383,484 26,006,050 21,516,922	D 139,691 166,544 172,739 JET 97,132 96,836 94,161 FROP 49,275 47,290 83,823 156,407 146,120 177,984 N/A N/A N/A N/A 296,098 312,672 350,723 19,276,650 23,255,326 18,424,498 2,106,834 2,750,724 3,092,424 21,383,484 26,006,050 21,516,922 421,777 510,113 372,425			PROP	39,747	54,922	79,850		82,390	82,390 108,896		108,896
CED PROP 49,275 47,290 83,823 EMBARKED 156,407 146,120 177,984 TRANSIT N/A N/A N/A PASSENGERS 296,098 312,672 350,723 DAN (KGS) 19,276,650 23,255,326 16,424,498 IED (KGS) 2,106,834 2,750,724 3,092,424 21,383,484 26,006,050 21,516,922	JET 97,132 98,838 94,161 PROP 49,275 47,290 83,823 156,407 146,120 177,984 N/A N/A N/A N/A 296,098 312,672 350,723 19,276,650 23,255,326 18,424,496 2,106,834 2,750,724 3,092,424 21,383,484 26,006,050 21,516,922 421,777 361,070 191,461 295,013 361,070 191,461		TOTAL DISEMBARKED		139,681	166,544	172,739		192,358	192,358 226,106		226,106
FROP 49,275 47,290 83,823 EMBARKED 156,407 146,120 177,984 TRANSIT N/A N/A N/A PASSENCERS 296,098 312,672 350,723 JAN (KGS) 19,276,650 23,255,326 18,424,498 TED (KGS) 2,106,834 2,750,724 3,092,424 21,383,484 26,006,050 21,516,922	FROP 49,275 47,290 83,823 156,407 146,120 177,984 N/A N/A N/A 296,098 312,672 350,723 19,276,650 23,255,326 18,424,498 2,106,834 2,750,724 3,092,424 21,383,484 26,006,050 21,516,922 421,777 510,113 372,425 295,013 361,070 191,461		TANA A BAST	JET	97,132	828,89	191,161		112,309	112,309 119,347		119,347
EMBARKED 156,407 146,120 177,984 TRANSIT N/A N/A N/A PASSENGERS 296,098 312,672 350,723 NAN (XGS) 19,276,650 23,255,326 18,424,496 IED (KGS) 2,106,834 2,750,724 3,092,424 Z1,383,484 26,006,050 21,516,922	156,407 146,120 177,984 N/A N/A N/A 296,098 312,672 350,723 19,276,650 23,255,326 18,424,498 2,106,834 2,755,724 3,092,424 21,383,484 26,006,050 21,516,922 421,777 350,113 372,425 295,013 361,070 191,461			PROP	49,275	47,290	83,823		79,648	79,648 90,345		90,345
TRANSIT N/A N/A N/A N/A TRANSIT PASSENGERS 296,098 312,672 350,723 DWN (KGS) 19,276,650 23,255,326 18,424,498 TED (KGS) 2,106,834 2,750,724 3,092,424 21,383,484 26,006,050 21,516,922	296,098 312,672 350,723 19,276,650 23,255,326 18,424,498 2,106,834 2,750,724 3,092,424 21,383,484 26,006,050 21,516,922 421,777 :510,113 372,425 295,013 361,070 191,461		TOTAL EMBARKED			146,120	177,984		191,957	191,957 209,692		209,692
PASSENCERS 296,098 312,672 350,723 SWA (KGS) 19,276,650 23,255,326 18,424,498 TED (KGS) 2,106,834 2,750,724 3,092,424 21,383,484 26,006,050 21,516,922	296,098 312,672 350,723 19,276,650 23,255,326 18,424,498 2,106,834 2,750,724 3,092,424 21,383,484 26,006,050 21,516,922 421,777 510,113 372,425 295,013 361,070 191,461		TOTAL TRANSIT		N/A	N/A	N/A		N/A	N/A NIL		NIL
TED (KGS) 19,276,650 23,255,326 18,424,498 TED (KGS) 2,106,834 2,750,724 3,092,424 21,383,484 26,006,050 21,516,922	76,650 23,255,326 18,424,498 36,834 2,750,724 3,092,424 33,484 26,006,050 21,516,922 21,777 310,113 372,425 35,013 361,070 191,461		TOTAL PASSENGERS		296,098	312,672	350,723		384,315	384,315 435,798		435,798
TED (KGS) 2,106,834 2,750,724 3,092,424 21,383,484 26,006,050 21,516,922 2	33,484 26,006,050 21,516,922 2 33,484 26,006,050 21,516,922 2 21,777 310,113 372,425 35,013 361,070 191,461		SET DOWN (KGS)		19,276,650	23,255,326	18,424,498	16	16,443,312	,443,312 13,059,422		13,059,422
21,383,484 26,006,050 21,516,522	33,484 26,006,050 21,516,922 21,777 510,113 372,425 35,013 361,070 191,461		UPLIFIED (KGS)		2,106,834	2,750,724	3,092,424	3	3,648,486	,648,486 4,921,815		4,921,815
	21,777 510,113 95,013 361,070		TOTAL		21,383,484	26,006,050	21,516,922	20	20,091,798	,091,798 17,981,237		17,981,237
	1 8 700 AT 189		UPLIFTED (KGS)		295,013	361,070	191,461		147,026	147,026 296,146		296,146
295,013 361,070	COT-170 06/101		TOTAL	÷	716,790	871,183	563,886		404,922	404,922 613,695		613,695

Source: Comparative Statistical Seturns, DCA

B-3 Lusaka International Airport Traffic Statistics

		TLKM	YEAR	1981	1982	1983	1984
			JET	4,129	4,086	3,844	3,509
NOMESTIC PROP Ref Ref	ENIS	1. INTERNATIONAL SCHEDULED	PROP	954	810	538	669
NON-SCHEDULED PROP 861 983 854 1,188		2. INTERNATIONAL	JET	463	476	398	430
S. CENERAL AVIATION 1, PRIVATE 1,155 1,252 1,351 2,143			PROP	861	983	854	1,188
S. CENERAL AVIATION 1, PRIVATE 1,155 1,252 1,351 2,143		3. TOTAL INTERNATIONAL (1+2)		6,407	6,355	5,634	5,796
S. CENERAL AVIATION 1, PRIVATE 1,155 1,252 1,351 2,143	MEN.		JET	1,636	1,482	1,614	1,534
S. CENERAL AVIATION 1, PRIVATE 1,155 1,252 1,351 2,143	24 Eg	4. TOTAL DOMESTIC	PROP	5,953	6,237	4,911	4,376
S. CENERAL AVIATION 1, PRIVATE 1,155 1,252 1,351 2,143	RCRA	5. TOTAL COMMERCIAL (1+2+4)		13,996	14,074	12,159	11,706
1, PRIVATE	AI					· · · · · · · · · · · · · · · · · · ·	
CRAND TOTAL (A+B) 18,319 18,265 17,146 16,768			•	1,156	1,252	1,551	2,143
C. International Jet 127,313 131,484 110,341 111,598		2. CIVIL LOCAL		3,167	2,939	3,436	2,919
1. DISEMBARKED PROP 14,452 11,306 7,384 10,716 2. EMBARKED JET 113,479 128,678 105,127 114,196 2. EMBARKED PROP 17,095 11,851 7,908 10,171 3. TRANSIT 6,415 3,636 5,697 1,458 4. TOTAL (1+2+3) 278,754 286,955 236,457 248,139 D. DOMESTIC JET 24,989 28,111 19,058 22,085 1. DISEMBARKED PROP 54,088 58,722 48,332 48,961 2. EMBARKED PROP 54,088 58,722 48,332 48,961 2. EMBARKED PROP 46,020 57,590 48,709 47,519 11. CENERAL AVIATION 2,364 2,157 2,129 2,830 2. EMBARKED 2,233 2,105 2,499 2,782 GRAND TOTAL PASSENGERS C+D 433,322 454,355 365,331 396,675 2. EMBARKED 2,233 2,105 2,499 2,782 GRAND TOTAL PASSENGERS C+D 433,322 454,355 365,331 396,675 2. DOMESTIC LOADED 3,892,101 2,488,268 1,518,576 1,848,208 1. INTERNATIONAL UNLOADED 11,193,618 10,986,354 6,621,943 9,357,572 2. DOMESTIC UNLOADED 187,411 259,064 155,952 199,971 3. TOTAL FREIGHT LOADED 145,336 129,523 144,058 116,806 4. HAIL LOADED 145,336 129,523 144,058 116,806 5. HAIL LOADED 342,641 342,080 371,205 466,050 5. HAIL LOADED 88,900 49,015 65,382 114,686 4. HOLOADED 140,0000 342,641 342,080 371,205 466,050 5. HAIL LOADED 88,900 49,015 65,382 114,686 5. HAIL LOADED 57,931 56,859 36,767 24,360 5. HAIL LOADED 57,931 56,859 36,767 24,360 5. HAIL LOADED 57,931 56,859 36,767 24,360 5. HAIL LOADED 342,641 342,080 371,205 466,050 5. HAIL LOADED 57,931 56,859 36,767 24,360 5. HAIL LOADED 342,641 342,080 371,205 466,050 5. HAIL LOADED 342,641 342,080 371,205 466,050 5. HAIL LOADED 342,641 342,080 371,		GRAND TOTAL (A+B)	-	18,319	18,265	17,146	16,768
TROP 11,479 128,678 105,127 114,196		C. INTERNATIONAL	JET	127,313	131,484	110,341	111,598
PROP 17,095 11,851 7,908 10,171		1. DISEMBARKED	PROP	14,452	11,306	7,384	10,716
PROP 17,095 11,851 7,908 10,171			JET	113,479	128,678	105,127	114,196
## A. TOTAL (1+2+3) ## A. TOTAL (1+2+3) ## D. DOMESTIC CONNERCIAL		2. EMBARKED	PROP	17,095	11,851	7,908	10,171
A. TOTAL (1+2+3) 278,754 286,955 236,457 248,139 D. DOMESTIC T. CONNERCIAL JET 24,989 28,111 19,058 22,085 1. DISEMBARKED PROP 54,088 58,722 48,332 48,961 2. EMBARKED PROP 66,020 57,590 48,709 47,519 11. GENERAL AVIATION 2,364 2,157 2,129 2,830 2. EMBARKED 2,233 2,105 2,499 2,782 GRAND TOTAL PASSENGERS C+D 433,322 454,355 365,331 396,675 E. FREIGHT LOADED 3,892,101 2,488,268 1,518,576 1,848,208 1. INTERNATIONAL UNLOADED 11,193,618 10,986,354 6,621,943 9,357,572 2. DOMESTIC LOADED 525,898 465,795 429,964 433,988 3. TOTAL FREIGHT LOADED 187,411 259,064 155,952 199,971 3. TOTAL FREIGHT LOADED 145,336 129,523 144,058 116,806 1. INTERNATIONAL UNLOADED 342,641 342,080 371,205 466,050 13. TOTAL FREIGHT LOADED 388,900 49,015 65,382 114,688 14. LOADED 88,900 49,015 65,382 114,688 15. DOMESTIC UNLOADED 57,931 56,859 36,767 24,366 15. DOMESTIC UNLOADED 57,931 56,859 36,767 24,366 16. DOMESTIC UNLOADED 57,931 56,859 36,767 24,366 17. DOMESTIC UNLOADED 57,931 56,859 36,767 24,366 18. DOMESTIC UNLOADED 57,931 5		3. TRANSIT		6,415	3,636	5,697	1,458
D. DOMESTIC I. COMMERCIAL JET 24,989 28,111 19,058 22,085 1. DISEMBARKED PROP 54,088 58,722 48,332 48,961 2. EMBARKED PROP 46,020 57,590 48,709 47,519 11. GENERAL AVIATION 1. DISEMBARKED 2,364 2,157 2,129 2,830 2. EMBARKED 2,233 2,105 2,499 2,782 GRAND TOTAL PASSENGERS C+D 433,322 454,355 365,331 396,675 8. FREIGHT LOADED 1. INTERNATIONAL UNLOADED 11,193,618 10,986,354 6,621,943 9,357,572 UNLOADED 187,411 259,064 155,952 199,971 3. TOTAL FREIGHT LOADED 15,799,028 14,199,481 8,726,435 11,839,735 F. MAIL LOADED 145,336 129,523 144,058 116,806 150,795 24,366 116,806 116,806 117,000	PASSENGERS			278,754	286,955	236,457	248,139
2. EMBARKED 24,874 18,715 20,336 24,359					····		
2. EMBARKED 24,874 18,715 20,336 24,359			JET	24,989	28,111	19,058	22,085
2. EMBARKED PROP 46,020 57,590 48,709 47.519		1. DISEMBARKED	PROP	54,088	58,722	48,332	48,961
PROP 46,020 57,590 48,709 47.519			JET	24,874	18,715	20,336	24,359
1. DISEMBARKED 2. EMBARKED 2. EMBARKED 2. CRAND TOTAL PASSENGERS C+D 433,322 454,355 365,331 396,675 E. FREIGHT 1. INTERNATIONAL UNLOADED 11,193,618 10,986,354 6,621,943 9,357,572 LOADED 2. DOMESTIC UNLOADED 187,411 259,064 155,952 199,971 3. TOTAL FREIGHT 1. INTERNATIONAL UNLOADED 145,336 129,523 144,058 116,806 1. INTERNATIONAL UNLOADED 342,641 342,080 371,205 466,050 UNLOADED 2. DOMESTIC UNLOADED 342,641 342,080 371,205 466,050 UNLOADED 57,931 56,859 36,767 24,360		2. EMBARKED	PROP	46,020	57,590	48,709	47.519
### CRAND TOTAL PASSENGERS C+D				2,364	2,157	2,129	2,830
E. FREIGHT LOADED 3,892,101 2,488,268 1,518,576 1,848,208 1. INTERNATIONAL UNLOADED 11,193,618 10,986,354 6,621,943 9,357,572 LOADED 525,898 465,795 429,964 433,988 2. DOMESTIC UNLOADED 187,411 259,064 155,952 199,971 3. TOTAL FREIGHT 15,799,028 14,199,481 8,726,435 11,839,739 F. MAIL LOADED 145,336 129,523 144,058 116,808 1. INTERNATIONAL UNLOADED 342,641 342,080 371,205 466,050 LOADED 88,900 49,015 65,382 114,688 2. DOMESTIC UNLOADED 57,931 56,859 36,767 24,360		2. EMBARKED		2,233	2,105	2,499	2,782
E. FREICHT LOADED 3,892,101 2,488,268 1,518,576 1,848,208 1. INTERNATIONAL UNLOADED 11,193,618 10,986,354 6,621,943 9,357,572 LOADED 525,898 465,795 429,964 433,988 2. DOMESTIC UNLOADED 187,411 259,064 155,952 199,971 3. TOTAL FREIGHT 15,799,028 14,199,481 8,726,435 11,839,739 F. MAIL LOADED 145,336 129,523 144,058 116,808 1. INTERNATIONAL UNLOADED 342,641 342,080 371,205 466,050 LOADED 88,900 49,015 65,382 114,688 2. DOMESTIC UNLOADED 57,931 56,859 36,767 24,360	.74	GRAND TOTAL PASSENGERS C+1	D	433,322	454,355	365,331	396,675
1. INTERNATIONAL UNLOADED 11,193,618 10,986,354 6,621,943 9,357,572 LOADED 525,898 465,795 429,964 433,988 2. DOMESTIC UNLOADED 187,411 259,064 155,952 199,971 3. TOTAL FREIGHT 15,799,028 14,199,481 8,726,435 11,839,739 F. MAIL LOADED 145,336 129,523 144,058 116,808 1. INTERNATIONAL UNLOADED 342,641 342,080 371,205 466,050 LOADED 88,900 49,015 65,382 114,688 2. DOMESTIC UNLOADED 57,931 56,859 36,767 24,360				3,892,101	2,488,268	1,518,576	1,848,208
3. TOTAL FREIGHT 15,799,028 14,199,481 8,726,435 11,839,739 F. MAIL LOADED 145,336 129,523 144,058 116,808 1. INTERNATIONAL UNLOADED 342,641 342,080 371,205 466,050 LOADED 88,900 49,015 65,382 114,688 2. DOMESTIC UNLOADED 57,931 56,859 36,767 24,360	FREIGHT		UNLOADED	11,193,618	10,986,354	6,621,943	9,357,572
3. TOTAL FREIGHT 15,799,028 14,199,481 8,726,435 11,839,735 F. MAIL LOADED 145,336 129,523 144,058 116,808 1. INTERNATIONAL UNLOADED 342,641 342,080 371,205 466,050 LOADED 88,900 49,015 65,382 114,688 2. DOMESTIC UNLOADED 57,931 56,859 36,767 24,360			LOADED .	525,898	465,795	429,964	433,988
3. TOTAL FREIGHT 15,799,028 14,199,481 8,726,435 11,839,739 F. MAIL LOADED 145,336 129,523 144,058 116,806 1. INTERNATIONAL UNLOADED 342,641 342,080 371,205 466,050 LOADED 88,900 49,015 65,382 114,686 UNLOADED 57,931 56,859 36,767 24,360		2. DOMESTIC		187,411	259,064	155,952	199,971
P. MAIL LOADED 145,336 129,523 144,058 116,806 1. INTERNATIONAL UNLOADED 342,641 342,080 371,205 466,050 1. LOADED 88,900 49,015 65,382 114,686 2. DOMESTIC UNLOADED 57,931 56,859 36,767 24,360		3. TOTAL PREIGHT		.,,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	14,199,481	8,726,435	11,839,739
1. INTERNATIONAL UNLOADED 342,641 342,080 371,205 466,050 LOADED 88,900 49,015 65,382 114,688 2. DOMESTIC UNLOADED 57,931 56,859 36,767 24,360			LOADED			144,058	116,808
LOADED 88,900 49,015 65,382 114,688 2. DOMESTIC UNLOADED 57,931 56,859 36,767 24,360						371,205	466,050
UNLOADED 57,931 56,859 36,767 24,360	님						
	A.A.	2. DOMESTIC	UNLOADED	57,931	56,859	36,767	24,360
	· :	3. TOTAL MAIL			577,477	617,412	721,906

Source: Comparative Statistical Returns, DCA

B-4 Air Transport Demand Forecast Formulae (1)

(1) Overall Air Passenger Transport in Zambia

 $\ln APZ = -3.55054 + 0.36082 \ln GDP + 1.57503 \ln EEC$ (0.30) (2.78)

Where: APZ = Air Passenger Transport in Zambia (thousand, embarked & disembarked)

GDP = Gross Domestic Product of Zambia (Kwacha, 1970 constant price)

EEC = Gross Domestic Product of EEC (US billion dollar, 1982 price)

Data Period : 1972-1982

R : 0.750

(2) Overall Air Passenger Transport at Lusaka International Airport

APL = -7.92142 + 0.61505 APZ (7.29)

Where : APL = Overall Air Passenger Transport at
Lusaka International Airport (thousand)

APZ = Overall Air Passenger Transport in Zambia (thousand)

Data Period: 1972-1982

R: 0.925

(3) Overall Air Freight Transport in Zambia

$$AFZ = 10$$
 $X = \frac{-7.92537}{POP} \times \frac{GDP}{6.74708} \times EEC = 9.68391$

Where: AFZ = Overall Air Freight in Zambia (tonnes, loaded and unloaded)

GDP = Gross Domestic Product of Zambia (Kwacha, 1970 price)

POP = Population of Zambia (thousand)

EEC = Gross Domestic Product of EEC (US billion dollar, 1982 price)

Data Period: 1970-1982

R : 0.906

- B-4 (Continued) Air Transport Demand Forecast Formulae (2)
 - (4) Overall Air Freight Transport at Lusaka Interantional Airport

AFL = -1545.38313 + 0.90416 AFZ(8.87)

Where: AFL = Overall Air Freight Transport at Lusaka Interantional Airport (tonnes, loaded and unloaded)

AFZ = Overall Air Freight Trasport in Zambia (tonnes, loaded and unloaded)

Data Period : 1971-1982

R: 0.942

B-5 Estimate of Explanatory Variables used in Air Transport Forecast Formulae

	Base Year	2000	2010
Population of *4 Zambia (thousand)	(5,680) ^{*1}	10,665	14,614
GDP of Zambia (K'million) (1) Lower Case	(1,477)*2	1,749	1,932
(2) Probable Case*	⁶ (1,477)*2	2,068	2,521
(3) Higher Case ^{*7}	(1,477)*2	2,441	3,280
GDP of EEC (US\$ billion)*8	(2,353)*3	3,486	4,462

^{*1 : 1980,} Central Statistical Office

^{*2: 1983, -} ditto -

^{*3: 1982,} World Bank Report 1984

^{*4:} Assuming the annual growth rate of 3.2% per annum.

^{*5:} Assuming the annual growth rate of 1.0% per annum.

^{*6:} Assuming the annual growth rate of 2.0% per annum.

^{*7:} Assuming the annual growth rate of 3.0% per annum.

^{*8:} Assuming the annual growth rate of 2.5% per annum.

B-6 Tourists Arrivals by Air by Region

		1981	1982	1983	Total
	NUMBER	14,568	8,889	6,547	30,004
AFRICA	8.	39.7	40.0	38.8	39.6
	NUMBER	3,088	1,755	1,448	6,291
AMERICA	ફ	8.4	7.9	8.6	8.3
	NUMBER	3,285	2,182	1,605	7,072
ASIA	8	8.9	9.8	9.5	9.3
	NUMBER	15,270	9,028	6,965	31,263
EUROPE	8	41.6	40.6	41.3	41.2
	NUMBER	510	373	296	1,179
OCEANIA	8	1.4	1.7	1.8	1.6
	NUMBER	36,721	22,227	16,861	75,809
TOTAL	*	100.0	100.0	100.0	100.0

Source: Fourth Annual Report 1983, Zambia National Tourist Board

B-7 Domestic Passenger Share by Route

Region	1979	1980	1981	1982	1983	Average
				·	77.0	80
Copperbelt	78.5	82.5	80.0	80.0		
Southern	12.5	10.0	11.5	11.5	13.0	12
Others*	9.0	7.5	8.5	8.5	10.0	8
Total	100.0	100.0	100.0	100.0	100.0	100

(%)

B-8 Characteristics of Domestic Air Route

		<u> </u>					(%)
	Ec	onomic Inde	ex		Passenger Servey		
	* 1	* 2	* 3				
Region	Population	Industry	Hotels	Tourism	Business	Others	Total
Copperbelt	2 8	8 9	4 0	3	6 8	2 9	1 0 0
Southern	1 5	9	3 3	4 7	3 6	17	100
Others *5	5 7	2	27	1 6	5 3	3 1	100
Total	1 0 0	100	100				

^{*1 1980} Census excluding Central Lusaka Province

^{*} Including Eastern

^{*2} Monthly Digest of Statistics, 1984

^{*3} Annual Report of National Tourist Board

^{*4} Passenger Survey Conducted Feb. 1985

^{*5} Including Eastern

B-9 Results of Questionnaire on Air Passengers

1. Survey period

The survey was conducted during the period of one week from 18th (Monday) to 24th(sunday) February 1985 with the generous cooperation of the Zambia Airways.

2. Number of samples collected

The number of samples collected during the survey period is as follows;

	Number of Passengers Surveyed	Number of Samples Collected	Share of Samples Collected (%)
Domestic	1,085	805	74.19
International	1,905	1,316	69.08
Total	2,990	2,121	70.94

3. Summary of survey

3.1 Nationality

						and the second second
NATIONALITY	DOMES	TIC	INTERNAT	IONAL	TOTAL	
	(S	hare:%)		(Share:%)		(Share:%)
ZAMBIA	395 (49.07)	172(13.07)	567 (26.73)
ZAIRE	5 (0.62)	12(0.91)	17(0.20)
ZIMBABWE	12(1.47)	76(5.78)	88 (4.15)
MALAWI	₹(0.37)	29 (2.20)	32(1.51)
S-AFRICA	13(1.51)	52(4.71)	75 (3.54)
OTHER-AFRICA	15(1.85)	117(8.89)	132(6.22)
sub total	443(55.03)	4.58 (35.56)	911(42.95)
U.K	174(21.61)	335(25.46)	509 (24,00)
W-GERMANY	11(1.37)	44(3.34)	55 (2.59)
OTHER-EUROPE	33(4.10)	232(17.63)	265 (12.49)
sub total	218(27.08)	611(46.43)	829 (39.09)
U.S.A.	21(2.61)	39(2.96)	60 (2.83)
OTHER-AMERICA	10(1.24)	39(2.96)	49 (2.31)
sub total	31(3.85)	78 (5.93)	109(5.14)
INDIA	54 (6.71)	90 (6.84)	144(6.79)
OTHER-ASIA	34(4.22)	. 48 (3.65)	82(3.87)
OCEANIA	J., 5(0.62)	15(1.14)	20 (0.94)
sub total	93 (11.55)	153(11.63)	246 (11.50)
333	20(2.49)	6(0.45)	26(1.22)
* TOTAL *	802 (37.95)	1316(62.05)	2121 (100.00)

3.2 Destination

	omestic		Inter	national	
Destination	Number	Share	Destination	Number	Share
		(%)			(%)
Ndola	488	60.6	Harare	230	17.5
Livingstone	187	23.2	Dar-es-salaam	65	4.9
Kitwe	76	9.4	Bombay	60	4.6
Chipata	11	1.4	Blantyre	27	2.1
Mansa	2	0.3	Johannesburg	194	14.7
Mfuwe	7	0.9	Nairobi	118	9.0
Others	12	1.5	London	236	17.9
Unknown	22	2.7	Paris	34	2.6
e e			Lumubashi	13	1.0
			Frankfurt	15	1.1
			Rome	50	3.8
			Luanda	61	4.6
			Others	196	14.9
			Unknown	17	1.3
Total	805	100.0		1,316	100.0

3.3 Purpose of trip

	Dome	estic	Internat	Total	
	Number	Share)	Number	Share,	Number Share
Tourism	107	13.3	311	23.6	418 19.7
Business	475	59.1	469	35.6	944 44.5
Private	123	15.3	319	24.3	442 20.9
Others	70	8.7	189	14.4	259 12.2
Unknown	30	3.6	28	2.1	58 2.7
Total	805	100.0	1,316	100.0	2,121 100.0

B-10 Share of International and Domestic Air Freight

		(%)
Year	International	Domestic
1981	95.5	A.5
1982	94.9	5.1
1983	93.3	6.7
1984	94.6	5.4
Åverage	94.7	5.3
RATIO	95	5

B-11 Total External Trade by Region

f	1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1	ey adamena	****				*********	····			
(000)		TOTAL	1855675 (100)	00446E	944889 (100)	1888821	1411727	1118666	1220598	1237987 (100)	(100)	1682644 (100)	11824225 (100)
) (K	ASIA	Other Asian Countries	000 000 000 000 000 000 000	4 00 4 10	17001 1001 1001 1001	00000000000000000000000000000000000000	00	1708001 1008001	(O) (S)	2000 2000 2000 2000 2000 2000 2000 200	1000 100 100 100	297347 17.67	2105482
	AS	Middle Eastern Countries	11381	-1 00 00 00 00	16164		() .	76886	(0) (7) (1)	00 00 00 00 00 00 00 00 00 00 00 00 00	S S S	92925 5.53	489758 4.14
:	ICA	Latin America	00 00 00 00 00 00	16165	0 W	0000 0000 00000	No.	(7)	(2) (2)	176 .01	လ (၁၉၈ (၁၉၈	4 ው ው ርዕ ው ርዕ ው	163336 1.38
	AMERICA	Dollar Area	37892 3.50	(a) a	0. 0. 4 0. 4 0. 4	00 00 00 00 00 00 00		000 000 000 000	173425	138742	116882 9.91	171971 18.22	912731
		Soviet, Bloc	8853	4 60 60 60	ተ () ነን ው ()	्त १० १० १० १० १०	24 44 74 74	स्य जिल्ला १००० १००० १०००	00 00 ⋅ 04 €0 00 €0	4 4 00 4 00	თ თ 4 ഗ <u>დ</u> დ	0 0 0 0	59865 . 51
)PE	Other European Countries	33127	tor •	00 00 00 44 44	46778 4.00	00 4 00 4 00 4 00 4	ი ი ი ი ი 1	1.7	28683 2.32	H H	C- 요 4 요 • 야 이	429488 3.63
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		European Economic Community	111	23.52	000 000 000 000	24 + 00 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	420160 20176	01 V 00 V	0 I	398861 31.57		40000 2000 4000 411	3233231 27.34
	ICA	Other African Countries		യ ഗ ത ഗ ഗ		დ დ დ დ დ 4	18982 78	18262	878 9878 17.		15284 1.29		დ თ ა ა დ ა
	AFRICA	Sterling Area	488892 37.98	00 00 00 00 00 00 00 00 00 00 00 00 00	358386 37.96	দ প ল	1 1 1 1	r- 0		342445	4 0	0 40 1 01 • 1	3768961 31.81
			1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	TOTAL

Source: Central Statistical Office

B-12 Domestic Air Freight by Region

				· UN	ITS ABOVE:	kg
					BELOW:	%
	COPPE	RBELT	SOUTHERN	EASTERN	OTHERS	
	KITWE	NDOLA				TOTAL
1980	130.065	396,377	45.616	39,916	65.790	677.764
	19.19	58,48	6.73	5.89	9.71	100
1981	128.532	390.130	50,531	37.453	53.734	660.371
	19,46	59.08	7.65	5.67	8.14	100
1982	132.930	407.795	52.232	34,696	37,705	665,558
	19,97	61.30	7.85	5.21	5,67	100
1983	117.559	359,284	45.149	33.755	35,938	591,685
	19,87	60.72	7,63	5.71	6.07	100
TOTAL	509.077	1,553,786	193,528	145,820	193.167	2,595,378
	19.61	59.87	7.46	5,62	7,44	100
	79.	48	7.46	13.	06	100

Source: Zambia Airways

B-13 Grouping of Aircraft

GROUP	AIRCRAFT TYPE	OYERALL	WING SPAN	PAX.SEAT REMARKS
		LENGTH		(STANDARD)
350-Seater	B747-200	69.8	59.64	~500(368)
	DC-10-30	55.35	50.39	255~270
250-Seater	L-1011-500	50.04	47.35	~330(246)
	A300 B2	53,62	44.84	220~320(269)
			e e e e e e e e e e e e e e e e e e e	
	8707-320	46.61	44.42	147~219(195)
	B727	46,68	32.92	~189(176)
200-Seater	B757	47.32	37,95	178~196(180)
	B767	48,51	47,57	211~289(220)
	DC-8	45.37	43,41	
	DC-9-80	45,02	32.85	~172(137)
		· · · · · · · · · · · · · · · · · · ·		
	B737-200	30.58	28.35	113~128(115)
100-Seater	DC-9-50	40.72	28.45	105~119(105)
	BAC111-500	32,61	28,5	~89(65)
	F28 MK3000	27.4	25.07	55,60,65 (60)
	ЖК4000	29.61	25.07	~85(72)
	THE THE PROPERTY OF THE PROPER			
.	HS748	20.42	31,23	~58(52)
50-Seater	F27	23,56	29.00	40~52(50)
	VC7	25,11	23.56	40~59(50)
	e e e e e e e e e e e e e e e e e e e			
	Dornier-228-100	11.41	15.55	
20-Seater	DHC-6	15.09	19,81	
	Beach Airliner	13.58	13,98	
	HP Jetstream	14.36	15.85	
]**				

B-14 Aircraft Movements by Aircraft Type and by Region

INAIROBI JOMO KENYATTA INT'L AIRPORT]

			AIR	CRAFT TY	PE			
	350 S	250 S	200 S	100 S	50 S	20 S	TOTAL	REMARKS
لمينة بيمور ويونيونيو ويسريون <u>بروي من منشر بروي</u>	<u>,</u>		30	26	2		58	
AFRICA (S)			(51.7)	(44.8)	(3.4)			
	40	10	24	11			85	
AFRICA (L)	(47.1)	(11.8)	(28,2)	(12.9)				
	2	4	24				30	
ASIA	(6.7)	(13.3)	(80.0)					
	44	9	9			•	62	
EUROPE	(71.0)	(14.5)	(14.5)			•		
aaraan Arabaan jiraan ee ahaa ahaa ahaa ahaa ahaa ahaa aha			42		72	38	152	
DOMESTIC			(27.6)		(47.4)	(25.0)		
	86	23	129	37	74	38	387	
TOTAL	(22.2)	(6.0)	(33.3)	(9.6)	(19.1)	(9.8)		

JOHANNESBURG JAN SMUTS AIRPORT]

			AIR	CRAFT TY	PE			
	350 S	250 S	200 S	100 S	50 S	20 S	TOTAL	REMARKS
	2	J. 1907 J. 190	14	70	46	14	146	: .
AFRICA (S)	(1.4)		(9.6)	(47.9)	(31.5)	(9,6)		
	56	14	24	16			.110	
AFRICA (L)	(50.9)	(12.7)	(21.8)	(14.6)				
	2						2	
ASIA	(100.0)							
	30						30	
EUROPE	(100.0)		:					
	4	202		204	98	280	788	
DOMESTIC	(0.5)	(25.6)		(25.9)	(12.5)	(35.5)		
	94	216	38	290	144	294	1076	
TOTAL	(8,7)	(20.1)	(3.5)	(27.0)	(13.4)	(27.3)		

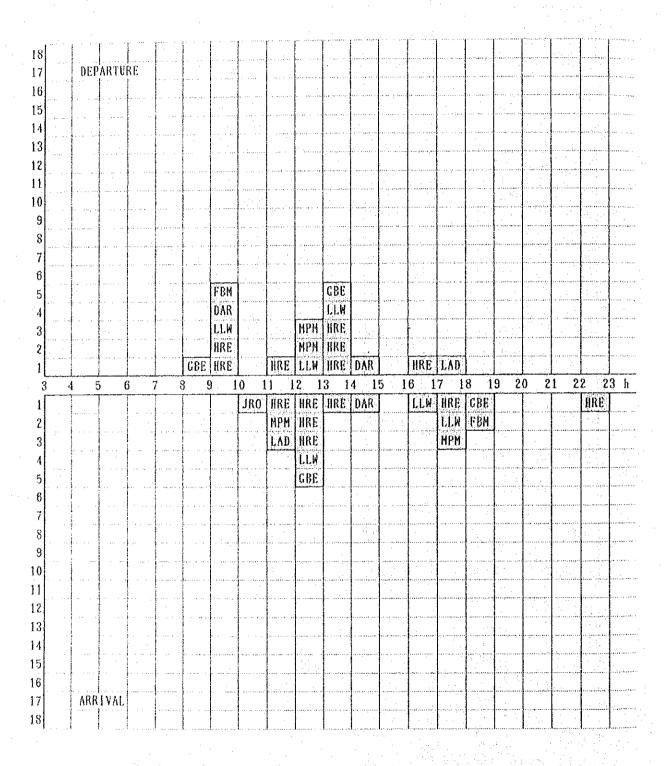
NOTE; () means percentage to total movements in the area.

B-15 Aircraft Movement Distribution by Time Period (Current/Int'l)

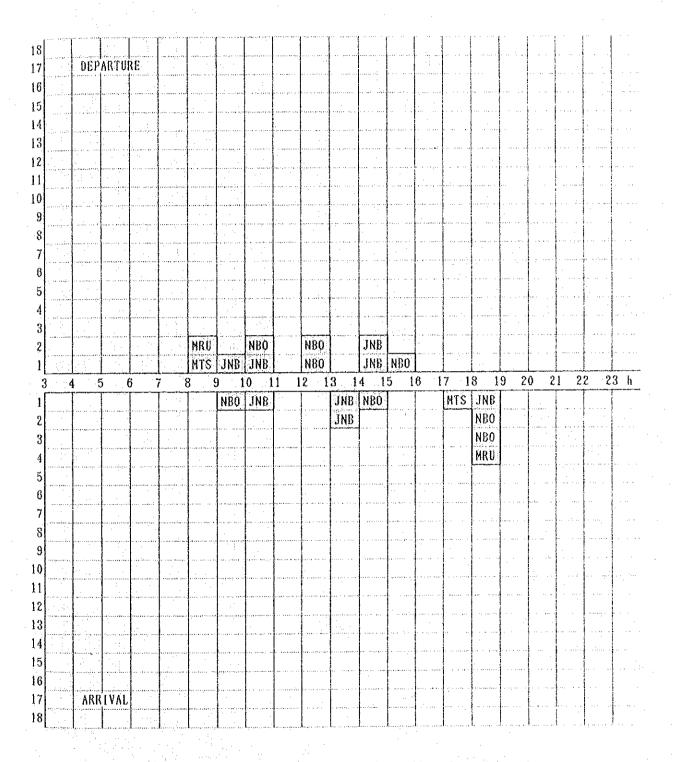
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B-16 Aircraft Movement Distribution by Time Period (Current/Domes.)

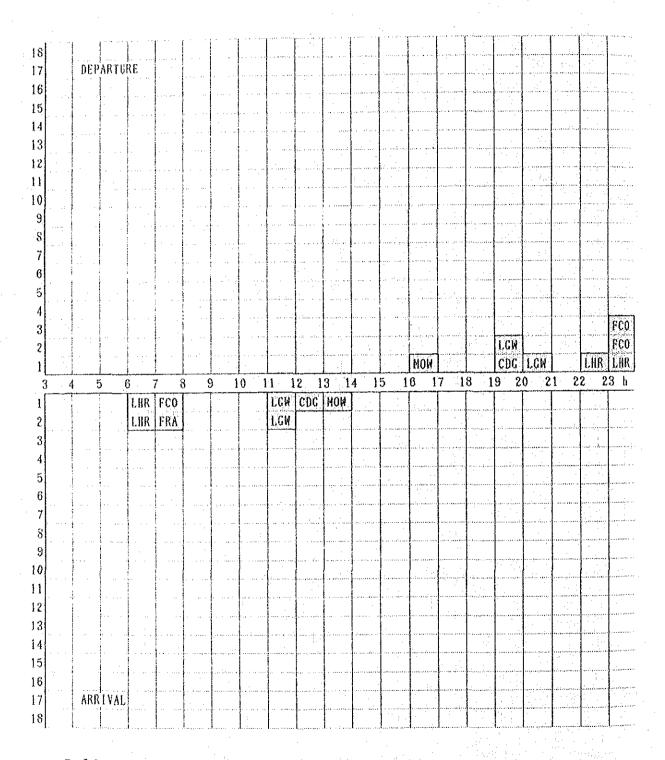
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22 23																								
TOTAL	(C)	တ္	38		1		က	ന	ယ													29	53	53



B-17 Current Aircraft Movement Distribution by Time Period (Week/Africa 1)



B-18 Current Aircraft Movement Distribution by Time Period (Week/Africa 2)



B-19 Current Aircraft Movement Distribution by Time Period (Week/Europe)

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B-20 Current Aircraft Movement Distribution by Time Period (Week/Domestic)

B-21 Peak Hour Aircraft Movement Ratio at Lusaka and Neighbouring Airports

[INTERNATIONAL ROUTE]

Etatemagrio	MMP MOOID?					
AIRPORT	WEEKLY AIRCRAFT MOVEMENTS (A)	WEEKLY PEAK HOUR MOVEMENTS (B)	PEAK HOUR MOVEMENT RATIO (B/A)			
JNB	284	42	0.15			
NBO	235	26	0.11			
DAR	43	4	0.09			
HRE	104	13	0.13			
LLY	39	9	0.23			
LUN	76	11	0.14			

[DOMESTIC ROUTE]

	WEEKLY AIRCRAFT	WEEKLY PEAK	PEAK HOUR
AIRPORT	MOVEMENTS (A)	HOUR MOVEMENTS (B)	MOVEMENT RATIO (B/A)
JNB	788	93	0.12
NBO	152	21	0.14
DAR	203	30	0.15
HRE	69	18	0.26
LLX	41	6	0.15
LUN	58	11	0.19

Source: ABC WORLD AIRWAYS GUIDE May 1985

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			TOTAL	TOURISM	BUSSINESS	PRIVATE
1985	AFRICA(S)	ZAMBIAN FOREIGNER	10.2	1.2	4,2 23.1	4.8
	AFRICA(L)	ZAMBIAN	4.2	.5	2.0 16.4	1.8
	EUROPE	ZAMBIAN	15.4	.3	6.1	9.0
			92.6	35.0	23.1	34.4
	AMERICA	ZAMBIAN FOREIGNER	3.0 18.0	.1 6.8		
	ASIR	ZAMBIAN FOREIGNER		.2 7.2		1.3
	TOTAL	ZAMBIAN FOREIGNER	35.8 227.2	2.2 66.7	15.0 73.3	18.6 87.2
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					BUSSINESS	
1998	AFRICA(S)	ZAMBIAN FOREIGNER	13.7 64.3	1.6 7.5	5.7 31.0	6.5 25.8
	AFRICA(L)	ZAMBIAN FOREIGNER	5.8 58.2	.6 16.6	2.7 22.4	2.5 19.3
	EUROPE	ZAMBIAN	20.9	. 4	8.3	
	AMERICA	FOREIGNER ZAMBIAN	125.1	47.1	01.0	47.0
	THICK TON	FORE I GNER	24.9	9.4	6.3	9.3
	ASIA	ZAMBIAN FOREIGNER	4.0 35.0	.3 9.6	2.0 8.3	1.7 17.1
	TOTAL	ZAMBIAN	48.5			25.2
.======		FOREIGNER	307.5	90.1	99.3 ========	118.1
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			TOTAL	TOURISM	BUSSINESS	PRIVATE
1995	AFRICA(S)	ZAMBIAN FOREIGNER	18.7 87.3	2.1 10.1	7.7 42.2	8.8 35.0
	AFRICA(L)	ZAMBIAN FOREIGNER	7.8 79.2	.8 22.6	3.6 30.4	3.4 26.2
	EUROPE	ZAMBIAN	28.3 169.7	. 6	11.2	16.5 63.0
		FOREIGNER	er en geregiet.			÷
	AMERICA	ZAMBIAN FOREIGNER	5.6 33.4	12.3	2.2 8.5	3.3 12.6
	ASIA	ZAMBIAN FOREIGNER	5.4 47.6	.4 13.1	2.7 11.2	2.3 23.3
	TOTAL	ZAMBIAN FOREIGNER	65.8 417.2	122.5	27.5 134.7	34.2 160.0

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AFRICA(S)			FOORIGH	BUSSINESS	FRIVHIE
	ZAMBIAN FOREIGNER	25.3 118.7	2.9 13.8	10.5 57.3	12.0 47.6
AFRICA(L)	ZAMBIAN FOREIGNER	10.6 107.4	1.1 30.6	4.9 41.2	4.6 35.5
EUROPE	ZAMBIAN FORELGNER	38.5 230.5		57.8	22.4 85.9
,,,	ZAMBIAN FOREIGNER			11.2	
ASIA	ZAMBIAN FOREIGNER	7.3 64.7	.6 17.8	3.7 15.3	3.1 31.6
	FOREIGNER	566.8	166.1	183.1	46.4 217.6
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	FOREIGNER	150.0	17.4	72.4	15.1 60.1
AFRICA(L)		135.6	38.6	52.1	5.8 44.9
EUROPE					108.2
AMERICA	ZAMBIAN FOREIGNER				5.5 21.1
ASIA	ZAMBIAN FOREIGNER	9.3 81.7	22.5	4.6 19.3	3.9 40.0
	ZAMBIAN	112.6	7.0	47.0 231.0	58.6 274.2
	FOREIGNER	=======			
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		TOTAL	TOURISM	BUSSINESS	PRIVHIE
	ZAMBIAN FOREIGNER	40.3 188.7	4.6 21.9	16.7 91.1	19.0 75.7
AFRICA(L)	ZAMBIAN FOREIGNER	16.9 171.1	i.8 48.3	7.9 65.7	7.3 56.6
EUROPE	ZAMBIAN FOREIGNER	61.2 366.8	1.3 138.1	24.2 92.2	35.7 136.5
AMERICA	FOREIGNER	71.1	26.8	18.0	26.3
ASIA	ZAMBIAN FOREIGNER	11.7 103.3	.9 28.4	5.9 24.4	5.0 50.5
TOTAL	ZAMBIAN FORETCHER	142.0	8.8 263.7	59.4	73.8 345.3
	AMERICA ASIA TOTAL EUROPE AMERICA ASIA TOTAL EUROPE AFRICA(L) EUROPE AFRICA(L) AFRICA(L) AFRICA(L)	RMERICA ZAMBIAN FOREIGNER ASIA ZAMBIAN FOREIGNER TOTAL ZAMBIAN FOREIGNER AFRICA(S) ZAMBIAN FOREIGNER EUROPE ZAMBIAN FOREIGNER ASIA ZAMBIAN FOREIGNER TOTAL ZAMBIAN FOREIGNER AFRICA(S) ZAMBIAN FOREIGNER EUROPE ZAMBIAN FOREIGNER ASIA ZAMBIAN FOREIGNER EUROPE ZAMBIAN FOREIGNER AFRICA(S) ZAMBIAN FOREIGNER EUROPE ZAMBIAN FOREIGNER AFRICA(L) ZAMBIAN FOREIGNER EUROPE ZAMBIAN FOREIGNER AFRICA(L) ZAMBIAN FOREIGNER ASIA ZAMBIAN FOREIGNER	AMERICA ZAMBIAN 7.4 FOREIGNER 44.6 ASIA ZAMBIAN 7.3 FOREIGNER 64.7 TOTAL ZAMBIAN 89.2 FOREIGNER 566.8 FOREIGNER 150.0 AFRICA(L) ZAMBIAN 13.4 FOREIGNER 135.6 EUROPE ZAMBIAN 48.5 FOREIGNER 290.5 AMERICA ZAMBIAN 9.4 FOREIGNER 56.6 ASIA ZAMBIAN 9.3 FOREIGNER 714.4 FOREIGNER 714.4 FOREIGNER 714.4 FOREIGNER 188.7 AFRICA(L) ZAMBIAN 112.6 FOREIGNER 714.4 FOREIGNER 714.4 FOREIGNER 16.9 FOREIGNER 16.9 FOREIGNER 171.1 EUROPE ZAMBIAN 16.9 FOREIGNER 171.1 EUROPE ZAMBIAN 16.9 FOREIGNER 171.1 ASIA ZAMBIAN 11.9 FOREIGNER 366.8 AMERICA ZAMBIAN 11.9 FOREIGNER 171.1 ASIA ZAMBIAN 11.7 FOREIGNER 193.3	AMERICA ZAMBIAN 7.4 1.2 FOREIGNER 44.6 16.8 ASIA ZAMBIAN 7.3 6 FOREIGNER 64.7 17.8 TOTAL ZAMBIAN 99.2 5.6 FOREIGNER 566.8 166.1 TOTAL TOURISM AFRICA(S) ZAMBIAN 32.0 3.7 FOREIGNER 150.0 17.4 AFRICA(L) ZAMBIAN 13.4 1.4 FOREIGNER 135.6 38.6 EUROPE ZAMBIAN 48.5 1.0 FOREIGNER 290.5 109.4 AMERICA ZAMBIAN 9.4 .2 FOREIGNER 56.6 21.2 ASIA ZAMBIAN 9.3 .7 FOREIGNER 81.7 22.5 TOTAL ZAMBIAN 9.3 .7 FOREIGNER 81.7 22.5 TOTAL ZAMBIAN 112.6 7.0 FOREIGNER 714.4 209.2 TOTAL ZAMBIAN 40.3 4.6 FOREIGNER 188.7 21.9 AFRICA(S) ZAMBIAN 16.9 1.8 FOREIGNER 171.1 48.8 EUROPE ZAMBIAN 16.9 1.8 FOREIGNER 171.1 49.8 EUROPE ZAMBIAN 16.9 1.8 FOREIGNER 366.8 138.1 AMERICA ZAMBIAN 11.9 .2 FOREIGNER 366.8 138.1 AMERICA ZAMBIAN 11.9 .2 FOREIGNER 71.1 26.8 ASIA ZAMBIAN 11.7 .9 FOREIGNER 103.3 28.4	AMERICA ZAMBIAN 7.4 .2 2.9 FOREIGNER 44.6 16.8 11.2 ASIA ZAMBIAN 7.3 .6 3.7 FOREIGNER 64.7 17.8 15.3 TOTAL ZAMBIAN 89.2 5.6 37.2 FOREIGNER 566.8 166.1 183.1 TOTAL TOURISM BUSSINESS AFRICA(S) ZAMBIAN 32.8 3.7 13.3 FOREIGNER 158.0 17.4 72.4 AFRICA(L) ZAMBIAN 13.4 1.4 6.2 FOREIGNER 135.6 38.6 52.1 EUROPE ZAMBIAN 48.5 1.8 19.2 FOREIGNER 290.5 109.4 72.9 AMERICA ZAMBIAN 9.4 .2 3.7 FOREIGNER 56.6 21.2 14.3 ASIA ZAMBIAN 9.3 .7 4.6 FOREIGNER 81.7 22.5 19.3 TOTAL ZAMBIAN 112.6 7.8 47.0 FOREIGNER 714.4 209.2 231.0 TOTAL ZAMBIAN 16.9 1.8 7.9 FOREIGNER 17.1 48.8 65.7 EUROPE ZAMBIAN 61.2 1.3 24.2 FOREIGNER 17.1 48.8 65.7 EUROPE ZAMBIAN 61.2 1.3 24.2 FOREIGNER 366.8 138.1 92.2 AMERICA ZAMBIAN 11.9 .9 5.9 FOREIGNER 71.1 26.8 18.0 ASIA ZAMBIAN 11.7 .9 5.9 FOREIGNER 103.3 28.4 24.4 TOTAL ZAMBIAN 11.7 .9 5.9 FOREIGNER 103.3 28.4 24.4

B-23 Breakdown of Domestic Passenger Forecast (1)

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:=====				TOURISM		
985	COPPERBELT	ZAMBIAN FOREIGNER	68.0 54.0	.2 2.8		18.4 16.4
	SOUTHERN	ZAMBIAN FOREIGNER	7.1 10.9	.9 7.6	5.0 1.4	
	EASTERN	ZAMBIAN FOREIGNER	1.1	0.0	1.1	0.0 .9
	OTHERS	ZAMBIAN FOREIGNER	.5 7.5	0.0 9.0		0.0 5.7
	TOTAL	ZAMBIAN	75.4	1.1	55.9 39.0	19.7
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1998	COPPERBELT	ZAMBIAN FOREIGNER	90.8	.3	65.9	24.6 22.0
	SOUTHERN	ZAMBIAN FOREIGNER			6.7 1.9	1.7 2.4
	EASTERN	ZAMBIAN FOREIGNER	1.7	0.0 1.7	1.7 1.3	0.0 i.3
	OTHERS	ZAMBIAN FOREIGNER				0.0 7.9
	TOTAL	ZAMBIAN FOREIGNER	101.4	1.5	74.9 52.2	26.2 33.6
		=========	======= TOTAL	TOURISM	BUSSINESS	PRIVATE
- 1995	COPPERBELT	ZAMBIAN FORE IGNER	118.6	.4 4.9	86.1 60.8	32.1 28.7
	SOUTHERN	ZAMBIAN FOREIGNER	13.5 20.5		9.5 2,7	2.4 3.5
	EASTERN	ZAMBIAN FOREIGNER		0.0 2.8	2.8 2.2	0.0 2.2
	OTHERS	ZAMBIAN FOREIGNER	1.0 16.0		1.0 3.9	0.0 12.1
	TOTAL	ZAMBIAN FOREIGNER	135.9	2.0 22.0	99.4 69.6	34.5 46.5

B-23 Breakdown of Domestic Passenger Forecast (2)

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# # # # # # # # # # # # # # # # # # #			TOTAL		BUSSINESS	PRIVATE
 2000	COPPERBELT	ZAMBIAN	154.3	. 5	112.0	41.8
2000		FOREIGNER	122.7	6.4	79.0	37.3
	SOUTHERN	ZAMBIAN	19.0	2.3	13.4	3.3
	SOUTHERN	FOREIGNER	29.0	20.3	3.8	4.9
	EASTERN	ZAMBIAN	4.4	0.0	4.4	
		FOREIGNER		4.4	3.6	3.6
	OTHERS	ZAMBIAN		0.0	1.6	0.0
		FOREIGNER	26.4	0.0	6.4	20.0
	TOTAL	ZAMBIAN	179.3	2.8	131.4	45.1
·		FOREIGNER	189.7	31.1	92.8	65.8
:=====						
			101HL 	TUUKISM	BUSSINESS	PKIVHIE
2005	COPPERBELT			. 6	136.3 96.1	50.8 45.4
	•	FORE IGNER	149.3			५७.५
	SOUTHERN				17.5	4.4 6.4
		FOREIGNER	38.1	26.6		D. 4
	EASTERN					0.0 5.3
		FORE IGNER	11.3			3.3
	OTHERS	ZAMBIAN	2.3		2.3 9.4	0.0 29.3
		FOREIGNER	38.1	0.0	7.4	27.3
	TOTAL	ZAMBIAN	 221.7	3.6	162.9	55.2
		FOREIGNER		41.0	162.9 115.9	86.4
:=====		:=====:		:=::=======		
. 20 00 00 00 00			TOTAL	TOURISM	BUSSINESS	PRIVATE
2010	COPPERBELT				165.8	61.8
		FOREIGNER	181.6	9.4	117.0	55.2
	SOUTHERN	ZAMBIAN	32.5		22.8	5.7
		FORE IGNER	49.5	34.6	6.6	8.3
	EASTERN	ZAMBIAN		0.0	9.7	0.0
		FOREIGNER	25.3	9.7	7.8	7.8
	OTHERS	ZAMBIAN	3.4		3.4	0.0
		FOREIGNER	55.6	0.0	13.5	42.1
	TOTAL	ZAMBIAN	273.9	4 . 7	201.7	67.5
	7 W 1 1 1 lbs	FOREIGNER	the state of the s		144.8	