

PV AAR 424

370 68

ANGOLA AS OF: 10/20/76

1 ANGOLA

1.1 GENERAL

1.1.1 GEOGRAPHIC CD

1.1.1.1 LIS:  
AID 654. STATE REGION AF, FIPS AO

1.1.2 COUNTRY NAMES

1.1.2.1 LIST  
LEGAL: ANGOLA, LOCAL: SHORT:

1.1.3 ETHN./NATIONL

1.1.3.1 DESCRIPTION  
90% OF THE POPULATION IS AFRICAN OF MANY TRIBAL GROUPS, MOSTLY BANTU (BAKONGO, KIMBUNDU, OVIMBUNDU AND CHOKWE MAKE UP 75% OF THE AFRICAN POPULATION). BEFORE 1975, 6% OF THE POPULATION WAS WHITE (PORTUGUESE, DUTCH, OTHER EUROPEAN GROUPS, MANY OF WHOM FLED UPON ANGOLAN INDEPENDENCE). OVIMBUNDU OF CENTRAL AND SOUTHERN ANGOLA, 33%, ARE THE LARGEST AFRICAN GROUP. BAKONGO, 25% OF THE AFRICAN POPULATION, ARE LOCATED IN THE NORTHWEST AND SPILL OVER INTO THE CONGO REPUBLICS AND CABINDA. THE KIMBUNDU, OCCUPYING THE INLAND TERRAIN FROM LUANDA, CULTURALLY RELATED TO THE BAKONGO, ARE 25% OF THE AFRICAN POPULATION. THE CHOKWE, A LESS DEVELOPED GROUP LIVING IN EASTERN ANGOLA, MAKE UP ABOUT 8% OF THE AFRICAN POPULATION. OTHER TRIBES ARE THE LUNDA AND GANQUELAS OF EASTERN ANGOLA AND THE CUANHAMA, APPROXIMATELY 54,000, RELATED TO THE OVAMBOS, LIVING IN FAR SOUTHERN ANGOLA.

1.1.4 LANGUAGES

1.1.4.1 DESCRIPTION  
BANTU LANGUAGES PREDOMINATE; PORTUGUESE AND SOME KHOISAN DIALECTS ARE SPOKEN. NO AFRICAN LANGUAGE EXTENDS BEYOND ITS TRIBAL TERRITORY. PORTUGUESE IS THE ONLY LANGUAGE COMMON TO THE WHOLE COUNTRY.

1.1.5 RELIGION

1.1.5.1 LIST  
TRADITIONAL BELIEFS (MOSTLY ANIMISM) 50%; ROMAN CATHOLICISM ABOUT 38%; PROTESTANTISM 12%.

1.1.6 DATES

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1.1.6.1 LIST

NEW YEAR'S DAY, JANUARY 1; CORPUS CHRISTI, JUNE 10. ASSUMPTION B.V. MARY, AUGUST 15; ALL SAINTS DAY, NOVEMBER 1; INDEPENDENCE DAY, NOVEMBER 11; CONCEPTION B.V. MARY, DECEMBER 8; CHRISTMAS, DECEMBER 25. NOTE: NO REFERENCE TO HOLIDAYS WHICH MIGHT BE CONSIDERED POLITICAL HOLIDAYS MADE EXCEPT TO INDEPENDENCE DAY, NOVEMBER 11, THE DAY ANGOLA OFFICIALLY SEPARATED FROM PORTUGAL.

1.1.7 CURRENCY

1.1.7.1 DESCRIPTION

UNIT OF CURRENCY IS THE ESCUDO (EQUALS 100 CENTAVOS). OFFICIAL EXCHANGE RATE: \$1.00=29.22, JUNE 30, 1976

1.1.8 HOST MISSION

1.1.9 US MISSION

1.1.9.1 US PRESENCE

	1975
OFFICIAL TOTAL*	287
US GOVT PSNL (NOT DOD)	5
MILITARY ATTACHES.	
ADVISORY GROUP AND	
OTHER DOD ELEMENTS	
IN DIP MISSIONS	0
MIL FORCES (INCL CIVS)	0
PEACE CORPS	0
OTHER (INCL INDIRECT	
CONTRACT WORKERS)	25
DEPENDENTS	0
EST PRIVATE TOTAL	247
RESIDENT BUSINESSMEN	24
TUDENTS	2
MISSIONARIES/CLERGY	28
DEPENDENTS OF ABOVE	60
OTHERS	48

\*OFFICIAL TOTAL REFLECTS TOURISTS

1.1.10 ALLIANCES

1.1.10.1 LIST\*

THE ALGARVE AGREEMENT, SIGNED JANUARY 15, 1975, BETWEEN PORTUGAL AND THREE NATIONALIST MOVEMENTS, DESIGNATING NOVEMBER 11, 1975 AS THE

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DATE OF ANGOLAN INDEPENDENCE. SEE ALSO ANGOLA 1.2.1; GOVERNMENT,  
HIERARCHY, INDEPENDENCE.

1.1 11 TRAVEL

1.1.11.1 REQUIREMENTS

PASSPORT OFFICE, JANUARY '76: INFORMATION DOES NOT EXIST.

1.1.12 TIME

1.1.12.1 DIFFERENCE

LUANDA AND BENGUELA + 1 GMT, EST + 6

1.1.13 OTHER

1.2 GOVERNMENT

1.2.1 HIERARCHY

1.2.1.1 HIERARCHY

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THE RECORD TYPE IN THE PRECEEDING RECORD IS IN ERROR

1.2.2 GEOGRAPHIC

1.2.2.1 INDEPENDENCE

UNDER THE TERMS OF THE ALGARVE AGREEMENT A TRANSITIONAL GOVERNMENT MADE UP OF THREE NATIONAL LIBERATION MOVEMENTS WAS FORMED. CO-SIGNERS WERE HOLDEN ROBERTO, FNLA, NATIONAL FRONT FOR LIBERATION OF ANGOLA; AGOSTINHO NETO, MPLA, POPULAR MOVEMENT FOR THE LIBERATION OF ANGOLA; AND JONAS SAVIMBI, UNITA, NATIONAL UNION FOR THE TOTAL INDEPENDENCE OF ANGOLA. THE PRINCIPAL MECHANISM WAS A PRESIDENTIAL COUNCIL COMPOSED OF A MEMBER FROM EACH GROUP, EACH MEMBER TO PRESIDE OVER THE GOVERNMENT ON A ROTATING BASIS. THE HIGH COMMISSIONER WOULD MAINTAIN EXCLUSIVE RESPONSIBILITY FOR NATIONAL DEFENSE AND FOREIGN AFFAIRS; THE THREE MILITARY MOVEMENTS WOULD BE INTEGRATED AND ELECTIONS WOULD BE ORGANIZED. THE TRANSITION TO INDEPENDENCE HAS BEEN MARKED BY BLOODY FIGHTING WHICH ERUPTED AMONG THE LIBERATION MOVEMENTS.

1.2.3 KEY LEADERS

1.3 DISASTER PLAN

1.3.1 HOST PLAN

1.3.2 US PLAN

1.3.3 CONTACT LIST

1.3.4 FUNDING

1.3.4.1 FUNDING

AS OF SEPTEMBER 1975, EIGHT GOVERNMENTS (CANADA, DENMARK, WEST GERMANY, NETHERLANDS, NORWAY, SWITZERLAND, U.K., U.S.) HAD SENT OR ANNOUNCED CONTRIBUTIONS TOTALLING 2,038,000 SWISS FRANCS, 435,000 IN SERVICES, 230,300 IN SUPPLIES, 500,000 FOR A DC-6 AIRCRAFT. RED CROSS SOCIETIES CONTRIBUTED 500,700 SWISS FRANCS WORTH: 83,000 IN SERVICES, 64,000 IN SUPPLIES. PRIVATE DONORS GAVE 33,650 SWISS FRANCS.

1.3.5 ASSESSMENT

1.3.5.1 ASSESSMENT

IN SEPTEMBER 1975, RED CROSS NOTED MOST URGENT NEEDS WERE FOR MEDICAL AND SURGICAL ASSISTANCE AND PROTECTION AND AID FOR VICTIMS, INCLUDING DISPLACED CIVILIANS.

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1.3.6 HOST RESOURCE

1.3.6.1 SUPPLIES

*Fin*

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AS OF SEPTEMBER 1975: RELIEF SUPPLIES SENT BY RED CROSS - 33 TONS POWDERED MILK, 19 TONS BABY FOOD, 3 TONS MEDICINES, MEDICAL SUPPLIES FOR HOSPITALS AND 10,000 BLANKETS.

ICRC AND ANGOLA REGIONAL RED CROSS HAD ALREADY DISTRIBUTED 28.6 TONS POWDERED MILK, 2.7 TONS BABY FOOD, ONE TON MEDICINES AND 6,000 BLANKETS.

ICRC DELEGATES IN ANGOLA INCLUDED 2 CENTRAL TRACING AGENCY SPECIALISTS, 1 RADIO OPERATOR AND 15 MEMBERS OF 3 MEDICO-SURGICAL TEAMS.

ICRC CHARTERED 1 DC-6 AIRCRAFT TO TRANSPORT SUPPLIES, PERSONNEL.

1.3.7 STORAGE

1.3.8 EARLY WARNING

1.3.9 DISASTER TYPE

1.3.10 SEE ALSO

1.4 POPULATION

1.4.1 NATIONAL

1.4.1.1 INDICATORS

1970 TOTAL POPULATION, 5,673,046; ANNUAL GROWTH RATE 2.1%; DENSITY 12/SQUARE MILE; 70% OF POPULATION CONCENTRATED IN THE NORTH AND WEST; 15% URBAN. PROJECTED POPULATION FOR 1975, 6,455,000.

1.4.2 REGIONAL

1.4.2.1 DISTRICTS

		POPULATION 1970	
DISTRICT OF BENGUELA	474,897	QUIPUNGO	33,339
MUNICIPALITIES		BOROUGHS	
BAIA FARTA	13,617	CUROCA	3,298
BALOMBO	40,230	CUVELAI	20,901
BENGUELA	42,819	GAMBOS	16,606
CITY OF BENGUELA	40,956		
BOCOIO	71,401	DISTRICT OF LUANDA	560,589
CUBAL	95,226	MUNICIPALITIES	
CITY OF CUBAL	6,672	AMBRIZ	2,739
GANDA	137,939	CACJACO	6,950
CITY OF MARIANO MACHADO	2,538	DANDE	20,826
LOBITO	73,665	ICOLO E BENGO	19,805
CITY OF LOBITO	59,528	LUANDA	475,328
		CITY OF LUANDA	475,328
DISTRICT OF BIE	650,337	NAMBUANGONGO	9,006
MUNICIPALITIES		QUICAMA	16,509

## ANGOLA

		AS OF:	10/20/76		
ANDULO			121,543	VIANA	9,426
CHINGUAR			59,677		
CHITEMBO			40,689	DISTRICT OF LUNDA	302,538
CUAMBA			41,872	MUNICIPALITIES	
GENERAL MACHADO			90,116	CAMBULO	45,537
CITY OF GENERAL MACHADO			5,740	DALA	18,583
N'HAREA			91,170	HENRIQUE DE CARVALHO	47,226
NOVA SINTRA			84,028	CITY OF HENRIQUE DE CARVALHO	19,901
SILVA PORTO			89,795	PORTUGALIA	37,672
CITY OF SILVA PORTO			18,941	VERISSIMO SARMENTO	22,837
VOUGA			31,447	CHCOLO	23,169
				CAPENDA CAMULEMBA	35,983
DISTRICT OF CABINDA			30,857	CAUNGULA	27,085
MUNICIPALITIES				CUILO	12,281
BUCO ZAU			13,146	LUBALO	21,688
CABINDA			44,906	NOVA CHAVES	10,477
CITY OF CABINDA			21,124		
CACONGO			10,956	DISTRICT OF MALANJE	558,630
BOROUGHS				MUNICIPALITIES	
BELIZE			11,849	CACUSO	39,389
DISTRICT OF CUANDO-CUBANGO			112,073	CAOMBO	51,156
MUNICIPALITIES				DUQUE DE BRAGANCA	101,114
CUCI			31,392	LUGUEMBO	34,404
SERPA PINTO			26,663	MALANIE	86,882
CITY OF SERPA PINTO			3,023	CITY OF MALANIE	31,599
BOROUGHS				MUCARY	29,262
CUANGAR			15,819	NOVA GAIA	54,378
CUITO CUANAVALÉ			22,909	QUELA	56,049
DIRICO			6,489	BOROUGHS	
MAVINGA			3,555	FORTE REPUBLICA	20,715
RIVUNGO			5,246	MARIMBA	19,139
				MONTALEGRE	12,395
DISTRICT OF CUANZA NORTE			298,062	QUIRIMA	25,286
MUNICIPALITIES				DISTRICT OF MOCAMEDES	53,058
AMBACA			50,651	MUNICIPALITIES	
BANGA			19,051	MOCAMEDES	23,145
BOLONGONGO			14,652	CITY OF MOCAMEDES	12,076
BULA ATUMBA			20,410	PORTO ALEXANDER	9,989
CAMBAMBE			18,176	CITY OF PORTO ALEXANDER	8,235
CAZENGO			22,629	VILA ARRIAGA	16,299
CITY OF SALAZAR			7,842		
DEMBOS			36,843	DISTRICT OF MOXICO	213,119
GOLUNGO ALTO			66,112	MUNICIPALITIES	
LUCALA			10,952	CAMAMONGUE	15,572
QUICULUNGO			8,916	CAMEIA	12,412
SAMBA CAJU			29,670	LEUA	20,984
				LUACANO	6,671
DISTRICT OF CUANZA SUL			458,592	MOXICO	67,748
MUNICIPALITIES				CITY OF LUSO	2,539
AMBOIM			38,048		

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	CITY OF GABELA		6,930	TEIXEIRA	18,079
	CASSONGUE		78,009	BOROUGHS	
	CONDA		23,196	ALTO ZAMBESE	26,253
	EBO		32,848	BUNDAS	13,530
	LIBOLO		50,195	LUCHAZES	31,870
	MUSSENDE		22,587		
	NOVO REDONDO		28,604	DISTRICT OF UIGE	386,037
	CITY OF NOVO REDONDO		7,911	MUNICIPALITIES	
	PORTO AMBOIM		6,695	ALTO CAUALE	36,562
	QUIBALA		64,096	BEMBE	2,037
	QUILENDIA		17,176	BUNGO	43,566
	SANTA COMBA		51,710	DAMBA	27,931
	CITY OF SANTA COMBA		2,784	DANGE	18,981
	SELES		45,429	NEGAGE	41,351
				CITY OF NEGAGE	2,548
	DISTRICT OF HUAMBO		837,627	POMBO	50,974
	MUNICIPALITIES			PURI	14,525
	BAILUNDO		169,092	QUIMBELE	41,521
	BELA VISTA		69,123	SONGO	15,007
	CAALA		84,779	UIGE	49,641
	CITY OF ROBERT WILLIAMS		8,894	CITY OF CARMONA	11,972
	CUMA		45,090	ZOMBO	29,742
	HUAMBO		161,332	BOROUGHS	
	CITY OF NOVO LISBOA		61,885	AMBUILA	1,845
	LONGUNJO		32,537	MACOCOLA	12,554
	LUIMBALE		84,791		
	MUNGO		67,384	DISTRICT OF ZAIRE	41,776
	VILA FLOR		45,790	MUNICIPALITIES	
	VILA NOVA		77,709	AMBRIZETE	9,609
				SAO SALVADOR	9,143
	DISTRICT OF HUILA		664,864	CITY OF SAO SALVADOR	4,002
	MUNICIPALITIES			SANTO ANTONIO DE ZAIRE	17,004
	CACONDA		85,943	BOROUGHS	
	CALUQUEMSE		68,299	CUIMBA	493
	CAPELONGO		22,591	NOQUI	967
	CHIBIA		32,695	TOMBOCO	4,551
	CUAMATO		32,569		
	CUANHAMA		78,635		
	GANGUELAS		113,265		
	HUMPATA		11,198		
	LUBANGO		72,208		
	CITY OF SA DA BANDEIRA		31,674		
	QUILENGUES		42,326		
1.4.3	AREA				
1.4.3.1	MAJOR CITIES				
	BENGUELA		40,996	MALANGE	31,599
	CABINDA		21,124	MOCAMEDES	12,076

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	CARMONA	11,972	NOVO LISBOA
	LOBITO	59,528	SA DA BANDEIRA
	LUANDA (CAPITAL)	475,328	SILVA PORTO
			61,885

1.5 HLTH/NUTRITN

1.5.1 DISEASES

1.5.1.1 DISEASES

COMMUNICABLE DISEASES AND NUMBER OF NEW CASES IN 1970: MALARIA, 162,091; INFLUENZA, 28,500; GONORRHEA, 7,281; MEASLES, 5,457; WHOOPING COUGH, 3,679; TUBERCULOSIS, 3,22.; AMOEBIC DYSENTERY, 1,537; INFECTIOUS HEPATITIS, 963; SYPHILIS, 896; LEPROSY, 651.

1.5.2 VITAL STATS

1.5.2.1 STATISTICS

BIRTH RATE: 45-49/100 POPULATION. DEATH RATE: 23-27/1000 POPULATION. INFANT MORTALITY RATE: 203/1000 LIVE BIRTHS. LIFE EXPECTANCY: 35 YEARS AT BIRTH (1970).

1.5.3 FACILITIES

1.5.3.1 FACILITIES

15,205 HOSP BEDS, END 1970	17 POLYCLINICS, 19 HAVING IN-PT FACS
6,375 IN GOVERNMENT HOSPS	106 HEALTH CNTRS 70 HAVING IN-PT FACS
2.7/1000 POPULATION	2 DISPENSARIES
38 HOSP OUT PATIENT DEPTS	127 MOBILE HEALTH UNITS

1.5.4 PERSONNEL

1.5.4.1 LIST

HEALTH PERSONNEL/1970 FIGURES: 650 PHYSICIANS, 247 IN GOVERNMENT SERVICE, 1/8630 POPULATION (SER HAS 1.11,100 MOST RECENT DATA-YEAR NOT SPECIFIED); 23 DENTISTS; 90 PHARMACISTS; 118 PHARMACEUTICAL ASSISTANTS, 3 VETERINARIANS; 90 MIDWIVES; 121 ASSISTANT MIDWIVES; 1,082 NURSES; 1,179 ASSISTANT NURSES; 1 SANITARY ENGINEER; 591 HEALTH AIDES; 9 LABORATORY TECHNICIANS; 60 ASSISTANT LABORATORY TECHNICIANS; 10 X-RAY TECHNICIANS; 49 ASSISTANT X-RAY TECHNICIANS.

1.5.5 DIET

1.5.5.1 INTAKE

DAILY INTAKE: AVERAGE PER CAPITA ENERGY SUPPLY - 1,910 CALORIES. / PROTEIN SUPPLY - 39.9 GRAMS.

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1.5.5.2 GENERAL

DIET OF AFRICAN POPULATION IS ALMOST ENTIRELY CARBOHYDRATE - LACKING PROTEIN. STAPLES ARE MANIOC, CORN, SWEET POTATOES, BEANS, MILLETS. FISH USED BY TRIBES LIVING ALONG PERMANENT RIVERS, AND IN EAST DURING WET SEASON. GOATS, PIGS EATEN OCCASIONALLY. DAIRY PRODUCTS REGULARLY USED BY SOUTHWESTERN HERDERS, BUT NOT BY CENTRAL FARMERS, WHO ALSO KEEP ANIMALS. BUSHMEN DEPEND ON ROOTS, HONEY, INSECTS, OCCASIONAL GAME-ALL TRIBES HUNT SMALL GAME, GATHER HONEY. REGIONAL DIETS: NORTH AND NORTHWEST-STAPLES ARE MANIOC (CASSAVA), BOILED OR, AS FLOUR, MADE INTO MUSH; AND SWEET POTATOES-LEAVES OF BOTH EATEN. BEEF NOT AVAILABLE DUE TO TSETSE FLY INFESTATION. CENTRAL PLATEAU-CORNMEAL IS BASIC FOOD. CORN, PEANUTS, SOYBEANS ALSO USED. TYPICAL OVIMBUNDU VILLAGE CALORIC INTAKE IS 85% CARBOHYDRATE, 12% PROTEIN; FATS AND CALCIUM LACKING. SOUTH-MILK AND MILK PRODUCTS ARE BASIC FOODS. MILK EATEN SOURED (QUADA). DROUGHT RESISTANT PEARL MILLET INCREASINGLY USED. SESAME OIL AND CHILI PEPPERS USED AS CONDIMENTS. MOST EUROPEANS MAINTAIN ADEQUATE DIET BASED ON LOCAL PRODUCTS, WITH IMPORTED MEAT, DAIRY PRODUCTS.

1.5.5.3 PROSCRIBED

BEEF IN SOUTH HAS RITUAL SIGNIFICANCE AS SYMBOL OF WEALTH, IS SELDOM EATEN. (ONLY AFTER ANIMAL DIES NATURAL DEATH).

1.5.6 UTENSILS

1.6 ECONOMICS

1.6.1 GENERAL

1.6.1.1 OVERVIEW

MOST SIGNIFICANT IMPACTS ON ECONOMY: INTERRUPTION OF TRAFFIC ON THE BENGUELA RAILWAY, DROP OF INDUSTRIAL PRODUCTION TO 10% OF CAPACITY DUE TO EXODUS OF PORTUGUESE SKILLED WORKERS AND TECHNICIANS AND DROP IN COFFEE PRODUCTION AND SEVERE DAMAGE TO PLANTATIONS.

NEVERTHELESS ANGOLA'S ECONOMIC POTENTIAL IS PROMISING. IN 1974, THE PER CAPITA INCOME WAS \$500 A YEAR AND GDP WAS NEARLY \$3 BILLION. THE ECONOMY, STILL BASED ON TRADITIONAL AGRICULTURE SECTOR, HAS BEEN DIVERSIFIED IN RECENT YEARS. SUBSTANTIAL RESERVES OF DIAMONDS, OIL, AND IRON ORE ARE BEING EXPLORED. DEPOSITS OF COPPER, PHOSPHATES, AND GOLD ARE STILL UNTAPPED. CASH CROPS SUCH AS TOBACCO, COTTON, AND SISAL ARE BEING PRODUCED. MANUFACTURING, FOOD PROCESSING, TEXTILES, AND TOBACCO, CONCENTRATED IN THE HUGE LUANDA AND BENGUELA-LOBITO AREA, PROVIDE ABOUT 15% OF GDP.

1.6.1.2 PRODUCTION

## ANGOLA

AS OF: 10/20/76  
VOLUME/VALUE OF PRINCIPAL INDUSTRIES 1971-1973EXTRACTION(VOLUME-THOUSAND OF METRIC TONS AND OF CARATS;  
VALUE-THOUSANDS OF ANGOLAN ESCUDOS)

	PETROLEUM(CRUDE)		DIAMONDS		IRON ORE	
	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE
71	5.721	2,282	2,413	1,702	6,160	1,293
72	7,057	3,362	2,155	1,727	4,831	1,024
73	8,175	5,321	2,125	2,292	6,052	1,292

MANUFACTURING(VOLUME-THOUSAND METRIC TONS;  
VALUE-THOUSANDS ANGOLAN ESCUDOS)

	BEER	CEMENT	CIGARETTES	COTTON	GINNING	HUSKING	METAL*
	VALUE	VOL	VALUE	VOL	VALUE	VOL	VALUE
71	653,780	.53	355,022	2.2	378,652	91	649,892
72	705,916	.62	405,402	2.5	492,917	36	276,371
73	118,870	.77	486,274	2.6	619,070	40	476,307
						247	794,699
							539,298

	PAPER&PROD	PETROLEUM	SISAL FIBERS	SPINNING	TRANSPORT	MATERIAL
	VALUE	VOL	VALUE	VOL	VALUE	VALUE
71	354,000	656	570,000	65	223,203	261,058
72	406,000	659	533,000	80	355,270	335,350
73	429,000	720	551,000	66	450,450	426,238
						411,075

## FISHING(VOLUME-THOUSAND METRIC TONS;VALUE-THOUSAND ANGOLAN ESCUDOS)

	TOTAL CATCH		PRODUCT OF DERIVATIVES	
	VOL	VALUE	VOL	VALUE
71	316	208,646	132	799,564
72	599	347,719	243	1,364,203
73	467	265,137	196	1,550,804

## CONSTRUCTION IN URBAN CENTERS(THOUSAND ANGOLAN ESCUDOS)

	VALUE
71	954,834
72	1,224,556
73	1,277,158

## ELECTRICAL POWER(THOUSAND KWH)

	PRODUCTION	CONSUMPTION
71	741,906	701,968
72	838,103	787,152
73	984,324	914,481

\*METAL PRODUCTS  
@1,118,870

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1.6.2 GNP

1.6.3 IMPORT/EXPORT

1.6.3.1 EXPORTS

EXPORTS *	1968	1971	1972	1973	1974
CRUDE PETROLEUM	0.2	76.2	120.6	195.7	490.2
COFFEE	122.8	142.3	130.8	175.5	205.4
DIAMONDS	47.4	53.8	54.0	68.0	80.6
SISAL	7.0	7.8	11.3	15.9	41.6
IRON ORE	22.4	42.0	34.5	41.2	39.7
FISH MEAL	4.7	7.5	18.1	25.2	16.0
RAW COTTON	6.7	22.9	9.7	21.1	15.3
TOBACCO	7.7	10.6	9.9	7.9	6.4
MAIZE	8.5	6.4	4.9	8.5	6.2
DRIED FISH	4.1	4.5	4.7	2.5	1.7
RAW SUGAR	1.7	1.1	1.4	1.3	0.8
OTHER	37.6	55.0	41.0	61.4	110.6
TOTAL	270.8	430.1	440.9	624.2	1014.5
*IN MILLION OF SDRS					

1.6.3.2 IMPORTS

IMPORTS *	1968	1971	1972	1973	1974
TRANSPORTATION	47.6	69.9	57.5	103.0	111.1
EQUIPMENT					
MACHINERY	56.9	93.3	94.6	59.9	75.8
METALS AND METAL					
PRODUCTS	39.5	48.3	43.8	52.1	69.8
FOOD CATTLE &					
TOBACCO	47.1	58.2	43.8	61.2	65.1
CHEMICAL PRODUCTS	26.0	38.3	38.2	50.2	59.7
TEXTILES	38.4	52.6	27.6	47.3	46.5
PLASTICS	8.7	14.6	12.9	18.6	26.7
MINERAL PRODUCTS	12.3	13.7	19.0	24.5	26.0
OTHER	26.1	31.8	23.8	38.4	37.6
TOTAL	302.6	420.7	361.2	455.2	518.3
TRADE SURPLUS	-31.8	9.4	79.7	169.0	496.2
*IN MILLION OF SDRS					

1.6.4 EXCESS MONIES

1.7 AGRICULTURE

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1.7.1 GENERAL

1.7.1.1 OVERVIEW

MOST IMPORTANT ECONOMIC SECTOR. AGRICULTURE HAS BEEN THE LARGEST FOREIGN EXCHANGE EARNER; SINCE 1973 LOWEST. PETROLEUM HEADS THE LIST OF EXPORTS, REPLACING COFFEE IN IMPORTANCE. OTHER EXPORT CROPS ARE COTTON, SISAL AND CORN. MANY PLANTATIONS HAVE SUFFERED SERIOUS DAMAGE WHICH MAY TAKE THREE OR MORE PLANTING SEASONS TO CORRECT. SEE ALSO: ANGOLA 1.6.1.1 ECONOMICS; GENERAL. OVERVIEW.

1.7.1.2 PRODUCTION

AGRICULTURAL PRODUCTION 1971-1973 (THOUSAND METRIC TONS)

	UNGINNED				UNHUSKED			(000)		
	COFFEE	SISAL	COTTON	TOBACCO	RICE	MAIZE*	WHEAT*	TIMBER*	LIVESTOCK	
71	228	46	86	5	28	104	12.7	384	6.030	
72	225	77	48	4.9	20	.2	15	462	10.670	
73	210	60	79	3.5	29	228#	11.5	355	8.203	

\*PURCHASES BY CEREALS INSTITUTE

@IN CUBIC METERS AND INCLUDING FIREWOOD AND WOOD FOR CHARCOAL

#ESTIMATE TO REPRESENT A CROP OF 300,000-400,000 METRIC TONS

1.7.2 IMPORT/EXPORT

1.7.2.1 EXPORTS

MAJOR AGRICULTURAL EXPORTS IN ORDER OF IMPORTANCE (1974). COFFEE, SISAL, FISH MEAL, RAW COTTON, TOBACCO, MAIZE, DRIED FISH, RAW SUGAR. SEE ALSO ANGOLA 1.6.3.1 ECONOMICS; IMPORT/EXPORT, EXPORTS.

1.7.2.2 IMPORTS

SIGNIFICANT AGRICULTURE IMPORTS, 1973, WHEAT, RICE, WINE, FLOUR, AND JUTE. ANGOLA HAS THE CAPACITY FOR SELF-SUFFICIENCY IN FOOD PRODUCTION.

1.8 PHYSICAL

1.8.1 CLIMATE

1.8.1.1 PRECIPITATION

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CANGAMBA	8.9	7.4	6.8	1.8	0.1	0.0	0.0	0.2	0.2	1.6	5.1	8.5
LUANDA	1.0	1.4	3.0	4.6	0.3	*	*	*	0.1	0.2	1.1	0.8
MOCAMEDES	0.3	0.4	0.7	0.5	*	*	*	*	*	*	0.1	0.1
NOVALISBOA	8.7	7.8	9.8	5.7	0.4	0.0	*	*	0.6	5.5	9.6	8.9

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1.8.1.2 TEMPERATURE

CITY	RGN	JAN	APR	JUL	OCT	EXTR- EME	LATI- TUDE	LONGI- TUDE
CANGAMBA	MAX	84	89	82	87	109	13,41S	19,52E
	MIN	62	58	46	59	20		
LUANDA	MAX	83	85	74	79	98	8,49S	13,13E
	MIN	74	75	65	71	58		
MOCAMEDES	MAX	79	82	68	74	102	15,12S	12,09E
	MIN	65	66	56	61	42		
NOVA LISBOA	MAX	78	78	77	81	90	12,48S	15,45E
	MIN	58	57	47	58	36		

1.8.1.3 SEASONS

TWO WELL-DEFINED SEASONS: 1) MAY TO OCTOBER, COLD AND DRY; PLATEAU TEMPERATURES MAY DROP TO FREEZING. 2) NOVEMBER TO APRIL, WARM AND RAINY; HIGH TEMPERATURES AND HUMIDITY IN THE NORTHERN ZONE. SEMI-ARID SOUTHERN HIGHLANDS ARE COOLER.

1.8.2 TOPOGRAPHY

1.8.2.1 TERRAIN

LOCATED ON THE WEST COAST OF SOUTHERN AFRICA WITH AN AREA OF 481,351 SQUARE MILES, THE COUNTRY IS DIVIDED INTO TWO PARTS: 1) ANGOLA PROPER, LYING SOUTH OF THE CONGO RIVER, BOUNDED BY ZAIRE ON THE NORTH AND NORTHEAST, ZAMBIA ON THE EAST, NAMIBIA ON THE SOUTH AND THE ATLANTIC OCEAN ON THE WEST; AND 2) THE ENCLAVE OF CABINDA, LOCATED ON THE SEACOAST NORTHWEST OF ANGOLA PROPER, BORDERED BY BRAZZAVILLE, ZAIRE AND THE ATLANTIC OCEAN.

ANGOLA PROPER IS LARGELY A PLATEAU AT ELEVATIONS OF 3000-5000 FEET BORDERED BY GENERALLY NARROW COASTAL STRIP WHICH RISES SHARPLY TOWARD THE INTERIOR. ITS WEST-CENTRAL REGION IS A HIGHLAND, 6000 TO 7000 FEET, WITH A MORE TEMPERATE CLIMATE. THE MOCAMEDES DESERT IS IN THE SOUTH

CABINDA IS COVERED WITH DENSE RAIN FOREST; ITS CLIMATE TROPICAL.

1.8.2.2 ALT./COORD.

CITY/TOWN	ALTITUDE	COORDINATES
BENGUELA	COASTAL PLAIN	12 35'S 12 25'E
CABINDA	COASTAL PLAIN	5 33'S 12 11'E
CANGAMBA	4,331	13 41'S 19 52'E
CARMONA	2-500' ZONE	7 37'S 15 03E
LOBITO	COASTAL PLAIN	12 20'S 13 34'E
LUANDA (CAPITAL)	194	08 49'S 13 13'E
MALANJE	2-500' ZONE	9 32'S 16 20'E
MOCAMEDES	10	15 12'S 12 09'E
NOVA LISBOA	5,577	12 48'S 15 45'E

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SA DA BANDEIRA  
SILVA PORTO

5-10,000 ZONE  
5-10,000 ZONE

14 55'S 13 30'S  
12 22'S 16 56'E

SEE ALSO ANGOLA 1.8.2.1

1.8.3 LAND USE

1.8.3.1 DESCRIPTION

OF THE TOTAL 481,351 SQ. MILES 22% IS ARABLE LAND OF WHICH ONLY 7% IS CULTIVATED. MOST FARMS ARE LARGE CASH CROP PLANTATIONS. (HALF THE COFFEE CROP WAS GROWN ON SMALL PLOTS OR LARGER PLANTATIONS BY BLACK FARMERS USING TRADITIONAL METHODS.)

1.8.4 RIVERS/COAST

1.8.4.1 RIVERS

MAJOR RIVERS ARE: THE CUANZA (NORTHWEST CENTRAL), THE CUENE (SOUTH-WEST) AND THE CASSAI (CENTRAL EAST). THE CONGO AND THE ZAMBEZI IN THE EAST ARE ALSO IMPORTANT. THE KASSAI, ONE OF THE LARGEST AFFLUENTS OF THE CONGO, FORMS THE 300 MILE BOUNDARY BETWEEN ANGOLA AND THE CONGO.

1.8.4.2 COASTS

THE COAST LINE IS ABOUT 1000 MILES LONG. THE COASTAL PLAIN EXTENDS 30 TO 100 MILES INLAND AND RECEIVES LITTLE RAINFALL. NORTH OF THE CUANZA RIVER IT IS HILLY; SOUTH OF THAT POINT FLAT. BAIA DES TIGRES IS THE ONE DEEP INLET; SHALLOWER BAYS ARE NUMEROUS.

1.8.5 MOUNTAINS

1.8.5.1 DESCRIPTION

THE MOUNTAIN CHAINS, EDGING OR DOMINATING THE PLATEAU, RUN PARALLEL TO THE COAST, AS TALA MUGONGO (4,400FT.), CHELA AND VISSECUA (5,250FT. TO 6,500FT.). IN THE DISTRICT OF BENGUELA ARE THE HIGHEST PEAKS: LOVITI (7,780FT.) AND MT. ELONGA (7,550FT.). SOUTH OF KWANZA IS THE VOLCANIC MOUNTAIN CACULA-CABAZA (3,300FT.).

1.8.6 VOLCAN/FAULTS

1.9 LOGISTICS

1.9.1 ROADS

1.9.1.1 GENERAL

8,000 KM. ASPHALTED ROADS; 28,000 KM. ALL WEATHER UNPAVED ROADS; 36,000 KM DIRT ROADS; BEST ROADS ARE NORTH-SOUTH ARTERIES LINKING

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COASTAL CITIES AND ROADS FROM THESE CITIES TO MAJOR TOWNS IN HIGHLANDS (HANDBOOK, 1966). EXAMPLE-LUANDA TO CARMONA, MALANGE AND SA DE BANDEIRA VIA DONDO AND NOVA LISBOA.

## 1.9.2 ROAD CARRIERS

## 1.9.2.1 CARRIERS

183,000 REGISTERED MOTOR VEHICLES IN 1973; CARS, 127,271; LORRIES 26,221; MOTORCYCLES, 20,029; TRACTORS, 9,519 - TOTAL: 183,031.

## 1.9.3 SURFACE MILES

## 1.9.3.1 SURFACE MILES

## LUANDA

692	BENGUELA										
490	1177 CABINDA										
345	852	679	CARMONA								
401	304	891	585	GABELA							
1038	1376	1642	984	1072	HENRIQUE DE CARVELHO						
659	33	1172	819	271	1148	LOBITO					
1314	931	1660	981	872	265	841	LUSO				
423	760	1062	368	456	616	727	881	MALANJE			
1234	439	1731	1389	754	1487	472	1222	1094	MOCAMEDES		
524	1251	194	485	938	1448	1217	1466	868	NOQUI (FRONTEIRA NORTE)		
599	368	1082	742	350	838	319	563	531	NOVA LISBOA		
492	208	982	676	91	1011	175	967	431	NOVA REDONDO		
1449	812	1970	1604	1212	1282	845	1017	1419	OCHICANGO (FRONTERIA SUL)		
1015	372	1504	1164	689	1260	405	985	953	SA DA BANDEIRA		
248	585	955	267	281	761	552	779	175	SALAZAR		
481	1218	365	314	905	1277	1184	1369	697	SALVADOR		
1051	816	1853	1174	871	1013	785	748	795	ERPA PINTO		
709	533	1503	824	472	663	443	398	441	SILVA PORTO		
1352	1255	1958	1279	1091	313	1165	324	896	TEIXEIRA DESOUSA(F.LESTE)		

## MOCAMEDES

1690	NOQUI(FRONTEIRA NORTE)										
647	1129 NOVA LISBOA										
663	1029	446	NOVO REDONDO								
693	2517	888	1064	OCHICANGO(FRONTEIRA SUL)							
225	1551	416	598	440	SA DA BANDEIRA)						
1122	761	475	383	1371	897	SALAZAR					
1745	171	1096	973	1984	1495	590	S. SALVADOR				
771	1659	446	862	567	516	972	1488	SERPA PINTO			
812	1309	165	569	683	587	640	1138	342	SILVA PORTO		
1534	1764	887	1182	1407	1309	1077	1593	999	722	TEIXEIRA DE(FRT.LESTE)	

## 1.9.4 RAILWAYS

## 1.9.4.1 GENERAL

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4 MAIN RAILWAY NETWORKS: LUANDA, BENGUELA, MOCAMEDES, AMBOIM, (MOCAMEDES SERVICES CASSINGA MINES). LINES ARE 3'6" NARROW GAUGE, WITH NARROW GAUGE SPURS; LOADS ON ALL LINES RESTRICTED BY SHARP CURVES, STEEP GRADES.

1.9.4.2 COMPANIES

FORTO E CAMINHOS DE FERRO DE LUANDA: DIRECCAO DE EXPLORACAO DO PORTO E CAMINHOS DE FERRO DE LUANDA, CAIXA POSTAL 1299, LUANDA; SERVES AN IRON, COTTON AND SISAL PRODUCING REGION BETWEEN LUANDA AND MALANGE; 608 KM. OF 1,067 IN. GAUGE.

CAMINHO DE FERRO DE MOCAMEDES: MOCAMEDES; 858 KM. MAIN LINE FROM MOCAMEDES TO SERPA PINTO VIA SA DA BANDEIRA, MATALA AND ENTROCAMENTO, WITH A 38 KM. BRANCH FROM CHANJA TO CHELA; BRANCHES TO CASSINGA NORTH (16 KM) AND CASSINGA SOUTH (94 KM).

PRIVATELY-OWNED

COMPANHIA DO CAMINHO DE FERRO DE BENGUELA (BENGUELA RAILWAY COMPANY): RUNS FROM THE PORT OF LOBITO ACROSS ANGOLA VIA NOVA LISBOA AND LUSO TO THE ZAIRE BORDER WHERE IT CONNECTS WITH THE K.D.L. SYSTEM WHICH IN TURN LINKS WITH ZAMBIA RAILWAYS, THUS PROVIDING THE SHORTEST WEST COAST ROUTE FOR CENTRAL AFRICAN TRADE; 1,067 MM GAUGE.

COMPANHIA DO CAMINHO DE FERRO DO AMBOIM: SERVES A COFFEE REGION BETWEEN AMBOIM AND GABELA; 123 KM. OF 0.60-METRE GAUGE.

1.9.5 RAIL CARRIERS

1.9.5.1 CARRIERS

LUANDA RAILWAY RUNS 323 MILES TO MALANGE; MOCAMEDES RUNS 496 MILES TO SERPA PINTO VIA SA DA BANDEIRA; BENGUELA RAILWAY RUNS 838 MILES TO VILA TEIXEIRA DE SOUSA.

	PASSENGERS CARRIED		FREIGHT (METRIC TONS)	
	1972	1973	1972	1973
LUANDA	728,307	946,066	319,066	301,376
MOCAMEDES	333,000	391,130	1,863,860	6,408,557
BENGUELA	1,412,825	1,390,607	2,688,979	2,557,352

1.9.6 PORTS

1.9.6.1 GENERAL

MAIN PORTS ARE LUANDA, LOBITO, MOCAMEDES, AND CABINDA. LOBITO IS THE ONLY PORT WITH RAILWAY CONNECTIONS TO OTHER COUNTRIES. THERE ARE MANY SMALLER PORTS: BENGUELA, NOVA LISBOA, LANDANA, NOQUI, NOVO REDONDO, CATUMBELA (A RIVER PORT) AND OTHERS.

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1.9.6.2 BENGUELA

LAT. 12 35'S.; LONG. 13 25'E.

ACCOMMODATION - THE ANCHORAGE, ABOUT 2 MILES FROM TOWN, IN 4 TO 6 FMS. IS EXPOSED TO ALL WINDS. 22 MILES FROM LOBITO ON MAIN LINE OF RY. TO KATANGA. NO VESSELS CALL AT BENGUELA EXCEPT LOCAL TRAWLERS. ALL EXPORT AND IMPORT THROUGH LOBITO. STEAMERS CAN COME ALONGSIDE AT LOBITO AND DISCHARGE DIRECT (SEE ALSO LUANDA).

LOCAL HOLIDAYS - SEPTEMBER 2.

OFFICIALS - (SEE LOBITO). LLOYD'S AGENTS, HULL, BLYTH (ANGOLA). LTD., LOBITO.

1.9.6.3 CABINDA

LAT. 5 33'S.; LONG. 12 11'E.

ACCOMMODATION - THE BAY OF CABINDA CAN BE ENTERED DIRECTLY FROM THE SEA BUT DUE TO LACK OF DEPTH OF WATER CAUTION IS NEEDED. A SAND BAR EXTENDS ALONG THE COAST, BETWEEN MASSABI RIVER AND THE CONGO RIVER, WITH A WIDTH OF 2 TO 3 MILES. OCEAN-GOING VESSELS CAN ONLY ANCHOR SOME DISTANCE FROM COAST IN OPEN ROADS. TOWAGE AVAILABLE. (WORKING HOURS)(NORMAL) WEEKDAYS, 0700 TO 1200 AND 1400 TO 1730; SATURDAYS, 0700 TO 1200. (SINGLE OVERTIME) WEEKENDS, 1200 TO 1400, 1730 TO 2400 AND 0000 TO 0700. SATURDAYS, 1230 TO 0700 TO 1200 TO 1400 AND 1400 TO 2400.

PILOTAGE - COMPULSORY FOR BERTHING OR SAILING, BUT NOT COMPULSORY WHEN PILOT REQUESTED OUTSIDE HARBOR ENTRANCE. ANY MANEUVER INSIDE HARBOR WATERS MUST BE WITH PERMISSION OF PORT CAPTAIN AND WITH PILOT ABOARD.

TRAFFIC - 1970, 1,155 VESSELS IN AND OUT.

AIRPORT - LOCAL AIRFIELD WITH DAILY SERVICE TO N.I.A. AT LUANDA.

LOCAL HOLIDAYS - JANUARY 1, JUNE 10, AUGUST 15, OCTOBER 5, NOVEMBER 1, DECEMBER 1, 8, AND 25.

OFFICIALS - DIRECTOR, PORT OF LOBITO; PORT CAPTAIN, DIRECTOR OF CUSTOMS; SHIPPING AGENTS, LLOYD'S AGENTS AND CARGO SUPERINTENDENTS, HULL, BLYTH (ANGOLA) LTD.

1.9.6.4 LOBITO

LAT. 12 20'S., LONG. 13 34'E. LOBITO BAY, MIDWAY BETWEEN LUANDA AND MCCAMEDES.

AUTHORITY - DIRECTOR, PORT OF LOBITO

ACCOMMODATION - TERMINUS OF LOBITO-KATANGA RY. FOR THROUGH TRAFFIC TO KATANGA, CONGO AND ZAMBIA. HARBOR IS FORMED BY NATURAL SANDPIT, 3 MILES LONG AND ABOUT 800 YARDS WIDE. NO INNER OR OUTER BARS AND NO CURRENTS IN HARBOR AREA. DEPTH OF APPROACH OVER 60 FEET. VESSELS MAY ENTER OR LEAVE ANY TIME OF YEAR, DAY OR NIGHT, BUT ARE NOT NORMALLY BERTHED DURING HOURS OF DARKNESS. PASSENGER VESSELS HAVE PREFERENCE IN BERTHING. TWO CONCRETE QUAYS PROVIDE 6 OR 8 BERTHS. QUAY NO. 1 - RUNNING FROM N.E. TO S.W., 578 M. LONG, MIN. DEPTH 34 FT. ALONGSIDE AT L.W.; QUAY NO 2 - RUNNING FROM N.W. TO S.E., 552 M. LONG.

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MIN. DEPTH 34 FT. ALONGSIDE AT L.W. QUAY NO 2 IS A CONTINUATION OF QUAY NO. 1, AND RUNS AT RIGHT-ANGLES FROM ITS S.W. EXTREMITY. THERE ARE MANY MODERN CARGO HANDLING DEVICES. RAILWAY ON BOTH QUAYS. STORAGE IN 14 WAREHOUSES AND SHEDS FOR SOME 100,000 TONS OF GOODS. SILOS ADJACENT NO 2 QUAY WITH CAPACITY OF 25,000 TONS. TWO DIESEL TUGS OF 480 H.P. AVAILABLE. PORT AUTHORITIES HAVE LIGHTERS. GOOD WATER AVAILABLE AT ALL BERTHS (NO WATER BARGE).

TANKER TERMINALS - 4 BERTHS, OPERATED BY COMPANHIA DE COMBUSTIVEIS DO LOBITO, SARL-PURFINA AND ANGOL-SACOR; LENGTH 585 FT.; DRAFT FROM 19 FT. TO 34 FT.; NIGHT BERTHING POSSIBLE; WATER AND BUNKERS AVAILABLE.

BUNKERS-FUEL OIL, GAS OIL, AND BUNKER C AVAILABLE ONLY.

SHIPREPAIRS - SLIPWAY FOR VESSELS UP TO 800 TONS. HULL, BLYTH (ANGOLA) LTD. ALSO CARRY OUT REPAIRS ASHORE OR ON BOARD. SOREFAME ALSO HAVE A FLOATING DRYDOCK WITH A CAPACITY OF 2,000 TONS.

TOWAGE - TWO TUGS AVAILABLE: FOR VESSELS OF MORE THAN 500 TONS USE OF TUGBOAT COMPULSORY ON UNBERTHING. VESSELS OVER 5,000 TONS GROSS MUST USE TWO TUGS. MOTOR BOAT: FOR VESSELS OF MORE THAN 200 TONS G.R.T USE OF MOTOR BOAT COMPULSORY ON BERTHING.

HOURS: WEEKDAYS 0700 TO 1200 AND 1400 TO 1730; SATURDAYS, 0700 TO 1200. (SINGLE OVERTIME) WEEKDAYS, 1200 TO 1400, 1730 TO 2400 AND 0000 TO 0700. SATURDAYS 1230 TO 2400. (DOUBLE OVERTIME) SUNDAYS AND HOLIDAYS, 0000 TO 0700, 0700 TO 1200, 1200 TO 1400 AND 1400 TO 2400.

PILOTAGE - COMPULSORY FOR BERTHING OR SAILING, BUT NOT COMPULSORY WHEN PILOT REQUESTED OUTSIDE HARBOR ENTRANCE. ANY MANEUVER INSIDE HARBOR WATERS MUST BE WITH PERMISSION OF PORT CAPTAIN AND WITH PILOT ABOARD.

AIRPORT - LOCAL AIRFIELD WITH DAILY SERVICE TO N.I.A. AT LUANDA.

LOCAL HOLIDAYS - JANUARY 1, JUNE 10, AUGUST 15, OCTOBER 5, NOVEMBER 1, DECEMBER 1, 8, AND 25.

OFFICIALS - DIRECTOR, PORT OF LOBITO, PORT CAPTAIN, DIRECTOR OF CUSTOMS; SHIPPING AGENTS. LLOYD'S AGENTS AND CARGO SUPERINTENDENTS. HULL, BLYTH (ANGOLA) LTD., AVENIDA MARECHAL CARMONA (CAIXA POSTALE 100)

1.9.6.5 LUANDA

LAT. 8 47'S.; LONG. 13 14'E.

AUTHORITY - SERVICOS DE PORTOS, CAMINHOS DE FERRO E TRANSPORTES. TELEPHONE 79284.

ACCOMMODATION - DEPTH AT ENTRANCE, ABOUT 15 FMS. VESSELS OF ANY SIZE CAN ANCHOR IN THE HARBOR. BERTHS FOR SIX LARGE FREIGHTERS AND ONE COASTER, WITH DEPTH OF 34 TO 35 FT. ALONGSIDE, NINE 3-TON CRANES, TWO OF 10 TONS, SEVENTEEN OF 5 TONS AND 47 FORKLIFT TRUCKS NOW AVAILABLE. FIFTEEN WAREHOUSES. PORT SERVED BY BRANCH OF LUANDA RAILWAY. FRESH WATER AVAILABLE.

SHIPREPAIRS - HULL, BLYTH (ANGOLA), LTD., HAVE REPAIR SHOPS AND SLIPWAY. THE CUSTOM IS TO WORK UP TO 23.30 HRS. DAILY AND LABOR IS NOT NORMALLY AVAILABLE AFTER THAT TIME, EXCEPT IN SPECIAL CASES. VESSELS MUST PRODUCE MANIFESTS IN THE PORTUGUESE LANGUAGE ON

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ARRIVAL. A PERIOD OF 24 HOURS IS GIVEN AFTER ARRIVAL FOR THE MANIFEST TO BE TRANSLATED. IF THIS HAS NOT BEEN DONE. TELEGRAMS: COMMUNICATION IS BY WIRELESS, CABLE AND TELEX.

TOWAGE - OBLIGATORY IN BERTHING AND UNBERTHING. SHIPS OVER 5,000 G.R.T NEED TWO TUGS.

PILOTAGE - COMPULSORY.

AIRPORT - AEROPORTO PRESIDENTE CRAVEIRO LOPES, 3 MILES SOUTH. TEN INTERNATIONAL FLIGHTS PER WEEK AND DAILY FLIGHTS TO PRINCIPAL ANGOLAN TOWNS.

OFFICIALS - DIRECTOR OF THE PORT; DIRECTOR OF CUSTOMS; LLOYD'S AGENTS, HULL, BLYTH (ANGOLA), LTD., P.O. BOX 1214.

1.9.6.6 MOCAMEDES

(MOSSAMEDES) LAT. 15 11'S., LONG 12 07'E.

APPROACH: A NATURAL BAY EASY OF ACCESS, PARTICULARLY FOR NORTHERN CALLS; FOR SOUTHERN CALLS ATTENTION MUST BE PAID TO BANCO AMELIA SANDBANK, WHICH IS NOT MARKED BY LIGHTS. MIN. DEPTH IN APPROACH 45 FT. NO INNER OR OUTER BARS. VESSELS MAY ENTER OR LEAVE BAY AT ANY TIME, DAY OR NIGHT. ANCHORAGE IS INDICATED BY HARBOR MASTER, PASSENGER VESSELS HAVING PREFERENCE.

ACCOMMODATION - CONCRETE QUAY 480 M. LONG WITH MIN. DEPTH OF 33 FT. ALONGSIDE: MIN DEPTH AT APPROACHES OF 45 FT. PROVIDING VESSELS NOT ALONGSIDE LIE AT ANCHORAGE 450 TO 500 M. FROM SHORE IN OPEN ROAD-STEAD; CARGO IS DISCHARGED INTO LIGHTERS, 14 AVAILABLE, 30 TO 125 TONS CAP. VESSELS ALONGSIDE ARE ALLOCATED A "CHEFE DE ZONA" WHO IS IN CHARGE OF THREE BERTHS. ONE PLATFORM SCALE OF 60 TONS CAPACITY, DIESEL LOCOMOTIVES. TWO WAREHOUSES AREA 3,650 SQ. M. EACH, LOADING AND DISCHARGING; TWO COLD STORES, ONE PRIVATE AND THE OTHER STATE OWNED. NEW IRON-ORE LOADING TERMINAL, N. CORNER OF THE BAY, 10 KM. FROM THE GENERAL CARGO PORT. LOADING INSTALLATION, KRUPP ARDELT CONVEYOR. ACCOMMODATION FOR VESSELS FROM 150,000 TO 200,000 TONS D.W.; DRAFT AT LOW TIDE, 19 M.; LENGTH OF BERTHING AREA 325 M.; WIDTH OF THE QUAY, 18 M.; HEIGHT OF QUAY ABOVE SEA LEVEL, 5 M. LOADING BOOM ABOVE SEA LEVEL, 31 M.; HEIGHT OF LOADING BOOM ABOVE LEVEL OF QUAY, 26.5 M.; MAXIMUM PROJECTION OF LOADING BOOM OVER BERTH, 29.5 M. HANDLES AROUND SIX MILLION TONS OF ORE PER YEAR. BUNKERING FACILITIES ARE AVAILABLE DOCKSIDE BY MEANS OF A PIPELINE. BUNKERS AND FRESH WATER CAN BE TAKEN DURING LOADING OPERATIONS WITHOUT ANY DELAYS. PRICE OF FUEL IS EXTREMELY COMPETITIVE. SPECIFICATIONS ARE: TANKERS ARE DISCHARGED ALONGSIDE THE NEW ORE LOADING TERMINAL. HOURS: MAILBOATS, PASSENGER BOATS, ETC. ARE ALLOWED TO WORK UNTIL 2400 HOURS ON WEEKDAYS AND SATURDAYS. CARGO VESSELS ONLY UNTIL 2130 HOURS. SUNDAYS AND HOLIDAYS - WORK ALLOWED ONLY IN EXCEPTIONAL CASES FOR EITHER MAILBOATS OR CARGO VESSELS. RY.: TERMINUS OF MOCAMEDES-VILA ARTUR DE PAIVA (CASSINGA) RAILWAY-CAMINHO DE FERRO DE SA DA BANDEIRA; CONNECTION WITH SOUTHERN RHODESIA UNDER CONSTRUCTION.

WATER: NO RESTRICTIONS ON WATER. NO WATER BARGE AVAILABLE. IN EMERGENCY, WHARF MASTER WILL ARRANGE FOR VESSELS TO BERTH "OUT OF TURN" TO RECEIVE WATER ONLY.

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TANKER TERMINALS - ONE BERTH, LENGTH 660 FT.; DRAFT 47 FT.,  
NIGHT BERTHING POSSIBLE; WATER AND BUNKERS AVAILABLE.

BUNKERS - FUEL OIL AND BLENDED OILS FROM TEXACO TERMINAL IN  
PORTO SALAZAR.

SHIPREPAIRS - NO FACILITIES.

TOWAGE - TWO 2,100 H.P. TUGS AVAILABLE; USE COMPULSORY FOR  
VESSELS LEAVING BERTH.

LOCAL HOLIDAYS - AUGUST 4.

OFFICIAL - PORT CAPTAIN; LLOYD'S AGENTS, HULL, BLYTH (ANGOLA)  
LTD., RUA DAS HORTAS.

1.9.6.7 NOVO REDONDO

LAT. 11 11'35"S; LONG. 13 50'10"E.

ACCOMMODATION-SHIPS ANCHOR A MILE AND A HALF FROM THE JETTY,  
WHICH IS AVAILABLE FOR LIGHTERS ONLY. NINE LIGHTERS AVAILABLE. TWO  
WAREHOUSES-AN AREA OF 700 SQ. M. W-S. TO S.W. FRESH WATER, SUBJECT TO  
BOILING. NO RAIL CONNECTIONS.

SHIPREPAIRS-MINOR REPAIRS ONLY.

OFFICIALS-LLOYD'S SUB-AGENTS, HULL, BLYTH (ANGOLA) LTD.

1.9.6.8 PORTO AMBOIM

LAT. 10 46' S.; LONG. 13 44'E.

ACCOMMODATION-ANCHORAGE IS ABOUT 350 M. IN FRONT OF JETTY IN  
DEPTH OF ABOUT 35 FT. METAL JETTY IS 123 M. LONG AND 13 M. WIDE. TWO  
TOWING LAUNCHES AVAILABLE. ALSO SEVEN 50 TON AND TWO 35 TON STEEL  
LIGHTERS; NO TUGS. CARGO CAPACITY: 3/400 TONS PER DAY. NORMAL HOURS  
ARE 0700 TO 1200 AND 1400 TO 1700; SATURDAYS 0700 TO 1200. WATER NOT  
AVAILABLE.

LOCAL HOLIDAYS-JANUARY 24.

PORTS OF THE WORLD CORRESPONDENT: HULL, BLYTH (ANGOLA) LTD.,  
C.P. NO 37 PORTO AMBOIM. CABLES: VAPOR.

1.9.7 SHIPS

1.9.7.1 COMPANIES

DOMESTIC SHIPPING AGENCIES

COMPANHIA NACIONAL DE NAVEGACAO: CAIXA POSTAL 20, RUA  
GOVERNADOR EDUARDO COSTA, LUANDA; HEAD OFFICE: 85 RUA DO COMMERCIO,  
LISBON; REGULAR CARGO AND PASSENGER SERVICE FROM PORTUGAL TO WEST AND  
EAST PORTUGUESE AFRICA; MONTHLY CARGO SERVICES FROM HAMBURG, BREMEN,  
ROTTERDAM, LONDON, LIVERPOOL, LEGHORN, GENEVA, MARSEILLES AND  
BARCELONA TO PORTUGUESE WEST AFRICA.

COMPANHIA DE SERVICOS MARITIMOS-COSEMA: CAIXA POSTAL 1360 RUA  
DIREITA 3A. LUANDA; BRS IN LOBITO PORTO AMBOIM, MOCAMEDES, SAO TOME.

FOREIGN SHIPPING AGENCIES

ROBERT HUDSON & SONS (PLY.) LTD.: CAIXA POSTAL 6426, LUANDA;  
SUPPLIERS OF VEHICLES, AGRICULTURAL, INDUSTRIAL AND EARTH-MOVING

## ANGOLA

AS OF: 10/20/76  
 EQUIPMENT, AIRCRAFT AND GENERAL GOODS; INTERNATIONAL FORWARDING AGENTS  
 AT LUANDA AND LOBITO; BRS. AND WORKSHOPS IN ALL MAIN ANGOLAN TOWNS;  
 AGENTS IN ANGOLA FOR CLAN LINE, TEXACO OVERSEAS TANKSHIP LTD., ETC.  
 HULL, BLYTH (ANGOLA) LTD.; CAIXA POSTAL 1412, LUANDA; AGENTS IN  
 ANGOLA FOR CIE, MARITIME BELGE, ELDER DEMPSTER LINES LTD., H.P.  
 TANKER CO. LTD., AND OTHERS.

## 1.9.7.2 VOLUME

## SHIPPING ('000-METRIC TONS)

	LUANDA		LOBITO		MOCAMEDES		ANGOLA	
	1972	1973	1972	1973	1972	1973	1972	1973
GOODS LOADED	894	1,116	1,035	1,364	4,844	6,173	13,438	16,261
GOODS UNLOADED	799	1,167	821	1,182	200	205	1,945	2,676

## 1.9.7.3 RIVERCRAFT

RIVERS MOSTLY UNSUITABLE FOR TRANSPORTATION. CUANZA RIVER IS  
 NAVIGATED BY SMALL STEAMERS FOR ABOUT 140 MILES; RIVERS ON INTERIOR  
 PLATEAU ARE NAVIGABLE BY SMALL CRAFT USED FOR LOCAL TRANSPORTATION  
 ONLY.

## 1.9.8 AIRPORTS

1.9.8.1 LIST  
CITY OR TOWN  
AERODROME

COORDIN- ATES LO- CATION	ELEVA- TION FT	RUNWAY NR/MAG	FUEL OCTANE	STRENGTH (1000 KG.) AUW	SLOPE (%)
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LUANDA/  
 LUANDA, 28.3 C

08,51'15"S 243 06/24 100.JX LCN105H45 0.05  
 13,14'12"E

REMARKS: ALTERNATE AERODROMES-KINSHASA/N'DJILI, NOVA LISBOA/NOVA  
 LISBOA, WINDHOEK/J.G. STRIJDOM, ROTATING OR CODE LIGHT, FIELD  
 LIGHTING, HIGH INTENSITY RUNWAY, HIGH INTENSITY APPROACH,  
 RUNWAY VISUAL RANGE, RUNWAY END IDENTIFICATION LIGHTS,  
 (CENTER-LINE LIGHTING).

NOVA LISBOA/

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ANGOLA

AS OF: 10/20/76  
NOVA LISBOA, 23.6 C

12.48'18"S 5619 11/29 LCN105H45 0.414  
01.54'51"E

REMARKS: INSTRUMENT APPROACH RUNWAY. ALTERNATE AERODROMES-LUANDA/  
LUANDA, SA DA BANDEIRA/SA DA BANDEIRA.

THERE ARE SMALLER AIRPORTS AT ALL THE CAPITALS OF THE ADMIN-  
ISTRATIVE DISTRICTS AS WELL AS AT SOME 170 OTHER LOCALITIES.

1.9.9 AIR ENTRY

1.9.9.1 PERSONAL

ENTRY REQUIREMENTS:

PASSPORT: REQUIRED.

VISA: TRANSIT VISA REQUIRED

VACCINATION: SMALLPOX AND YELLOW FEVER REQUIRED. CHOLERA  
VACCINATION CERTIFICATE REQUIRED OF TRAVELLERS ARRIVING  
FROM INFECTED AREAS.

OTHER: NONE

EMBASSY ADDRESS: EMBASSY NOT ESTABLISHED IN U.S.

SEE ALSO ANGOLA 1.11.1 GENERAL; TRAVEL. NOTE.

1.9.9.2 AIRCRAFT

ENTRY REQUIREMENTS: ADVANCE NOTICE TO THE AERODROME, GIVING  
EXPECTED TIME OF ARRIVAL, IS REQUIRED. PRIOR PERMISSION IS REQUIRED  
TO MAKE NON-TRAFFIC STOPS AT ANY AERODROME IN ANGOLA. PERMISSION  
SHOULD BE REQUESTED FROM THE DIRECCAO GENERAL DA AERONAUTICA, CIVIL  
SERVICO DA AERONAUTICA CIVIL CAIXA 569, LUANDA, ANGOLA (TELEGRAPHIC  
ADDRESS: AERONAUTICA-LUANDA), 8 DAYS IN ADVANCE. REQUEST FOR PER-  
MISSION SHOULD INCLUDE: TYPE, REGISTRATION MARKS AND NATIONALITY OF  
AIRCRAFT; NATIONALITY OF CREW; CALL SIGN; PURPOSE OF THE TRIP AND  
NATURE OF THE TRAFFIC; EXPECTED DURATION OF STAY; ENTRY AND EXIT  
ITINERARY IN DETAIL.

1.9.9.3 SPECIAL NOTES

SPECIAL NOTICES: NEWLY INDEPENDENT COUNTRY. BECAUSE OF THE UN-  
SETTLED SITUATION IN ANGOLA, ALL PILOTS MUST ASCERTAIN BOTH PERSONAL  
AND AIRCRAFT ENTRY REQUIREMENTS WITH THE GOVERNMENT OF ANGOLA WELL IN  
ADVANCE OF FLIGHT.

1.9.10 AIR CARRIERS

1.9.10.1 CIVIL AVIATIO

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## ANGOLA

AS OF: 10/20/76

## CIVIL AVIATION 1973

ANGOLA AIRLINE: TRANSPORTES AEREOS DE ANGOLA-TAAG: AVDA. LUIS DE CAMOES 123, LUANDA; INTERNAL SERVICES AND SERVICES TO WINDHOECK (SOUTH WEST AFRICA) AND SAO TOME. FLEET OF SIX F-27 AND FIVE DC-3.

OTHER AIRLINES SERVING LUANDA: TRANSPORTES AEREOS PORTUGUESES SARL (TAP): LISBON; OFFICE IN LUANDA, AVS PAULA DIAS NOVAIS 79-80; POB 11B; SERVICES TO AFRICA, EUROPE, NORTH AND SOUTH AMERICA.

SOUTH AFRICAN AIRWAYS (SAA): HEAD OFFICE: SA AIRWAYS CENTER, JOHANNESBURG; AVDA. PAULO DIAS DE NOVAIS 123, LUANDA. SERVICES BETWEEN LUANDA AND JOHANNESBURG.

## 1.9.10.2 VOLUME

CIVIL AVIATION (ANGOLA AIRLINES-TAAG)	1972	1973
PASSENGERS CARRIED	169,560	198,667
FREIGHT TRANSPORT (TONS)	2,437	2,636
MAIL TRANSPORTED (TONS)	855	842
KILOMETERS FLOWN	4,726,330	5,451,191

## 1.9.10.3 STATUTE MILES

	LUANDA TO:	
LUMBO	1901	SA DA BANDEIRA 420
MALANJE	215	SAL (LOS ESPARGAS) 3038
NIAMEY	1719	SALISBURY A/P 1353
NOVA LISBOA	322	SAN ANTONIO DO ZAIRE 197
POINTE NOIRE	293	SAO SALVADOR 517
PORTO AMBOIM	134	SAO TOME 778
RECIFE (GUARARAPES)	3285	TOTO 136
RIO DE JANEIRO (GALEO)	3815	VILA LUSO 494
ROBERTS INTL.	1928	WINDHOEK (J.G. STRYDOM) 982

## 1.9.11 AIR MILES

## 1.10 COMMUNICATION

## 1.10.1 POWER SOURCES

## 1.10.1.1 POWER

## MAJOR PLANTS:

1. CAMBAMBE ON CUANZA RIVER NEAR DANDE. 1966 CAPACITY - 90,000 KILOWATTS, PROJECTED 200,000 KILOWATTS. MAIN CONSUMER - INDUSTRIALIZED AREA AROUND LUANDA. TRANSMISSION LINE TO MALANJE UNDER CONSTRUCTION 1966.

2. MABUBAS PLANT ON DONDO RIVER - 47 MILES FROM LUANDA - 17,500 KILOWATTS CAPACITY - USED AS EMERGENCY SUPPLIER TO LUANDA.

3. LOMAUM DAM ON UPPER CATUMBELA RIVER - 20,000 KILOWATT CAPACITY SUPPLYING LOBITO, BENGUELA, NOVA LISBOA; SERVICE MAY BE EXTENDED TO SILVA PORTO.

## ANGOLA

AS OF: 10/20/76

4. MATALA SALAZAR POWER PLANT ON CUNENE RIVER - 27,000 KILOWATT CAPACITY SUPPLYING SA DA BANDEIRA, MOCAMEDES AND PORTO ALEXANDRE. IN 1973 - 80 HYDRO-ELECTRIC PLANTS; 1,470 THERMO-ELECTRIC PLANTS WITH A TOTAL CAPACITY OF 580 MVA.

SEE ALSO ANGOLA 1.6.1.2 ECONOMICS; GENERAL, PRODUCTION

## 1.10.2 RADIO

## 1.10.2.1 GENERAL

RADIO TELEPHONE NETWORK AND PRIVATELY-OWNED RADIO TRANSMITTERS PROVIDE MEANS OF COMMUNICATION IN MODERN ECONOMIC SECTOR. 1963, 144 LICENSED AMATEUR TRANSMITTING SETS, HALF IN BENGUELA AND LUANDA DISTRICT; ONLY AVAILABLE METHOD OF FAST COMMUNICATION IN SOME RURAL DISTRICTS.

PUBLIC RADIO IN 1966 CONFINED TO URBAN AREAS, 25% OF POPULATION COMPREHENDING PORTUGUESE. MOST IMPORTANT FORMAL CHANNEL OF COMMUNICATION. 73,000 LICENSED RADIO RECEIVING SETS IN 1964, EXPECTED TO INCREASE SUBSTANTIALLY AFTER 1966 WHEN LOCAL FACTORY BEGINS PRODUCTION OF INEXPENSIVE TRANSISTOR RADIOS. 1973 (DEC) 115,000 RADIO LICENSES.

18 STATIONS IN 1965, ALL BUT 3 WITH TRANSMITTERS 1 KW OR UNDER, 17 IN URBAN AREAS, 1 IN DIAMANG MINEFIELDS IN NE LUNDA DISTRICT.

MARITIME RADIO STATIONS IN CABINDA, LUANDA, NOVO REDONDO, LOBITO AND MOCAMBEDES COMMUNICATE WITH OCEAN-GOING SHIPS.

## 1.10.2.2 STATIONS

DISTRICT	STATION NAME	NUMBER OF TRANSMITTERS		FREQUENCIES (IN KILOCYCLES PER SECOND)	POWER (IN KILOWATTS)
		MEDIUM WAVE	SHORT WAVE		
BENGUELA	RADIO CLUBE DA BENGUELA	1	3	1529	1.00
				3295	0.25
				5042	1.00
				6150	1.00
	RADIO CLUBE DO LOBITO	1	2	1110	1.00
				4905	1.00
				7175	1.00
BIE	RADIO CLUBE DE BIE (IN SILVA PORTO)	1	2	1385	1.00
				4895	1.00
				7390	1.00
CABINDA	RADIO CLUBE DE CABINDA	1	1	1340	1.00
				5033	1.00

## ANGOLA

AS OF: 10/20/76

CUANZA SUL	RADIO CLUBE DO* CUANZA SUL (IN NOVO REDONDO)	1	2	1160	1.00	
				4840	1.00	
				7285	0.25	
HUAMBO	RADIO CLUBE DO HUAMBO (IN NOVO LISBOA)	2	3	1259	1.00	
				1500	0.50	
				3704	1.00	
				5065	1.00	
				7125	1.00	
HUILA	RADIO ECLESIA  RADIO CLUBE DA HUILA (IN SA DA BANDEIRA)	1	4	N.A.	10.00	
				1367	1.00	
				3970	1.00	
				5024	1.00	
				9675	1.00	
11940	1.00					
LUANDA	RADIO COMMERCIAL DE ANGOLA (IN SA DA BANDEIRA)	1	3	1439	1.00	
				3995	10.00	
				4795	10.00	
				7155	10.00	
LUANDA	RADIO ANGOLA (EMISSORA OFICIAL*)	2	5	1295	1.00	
				3375	10.00	
				4820	10.00	
				6025	10.00	
				7235	10.00	
	9535	10.00				
	LUANDA	RADIO CLUBE DE ANGOLA	1	3	830	1.00
					4869	1.00
					7140	0.25
		9630	1.00			
LUANDA	RADIO ECLESIA	1	1	1010	1.00	
				4984	0.20	
LUANDA	VOZ DE LUANDA	2	-	1435	0.50	
				1550	0.50	
LUANDA	RADIO DIAMANG (IN DUNDO)	-	3	4770	0.50	
				9612	1.00	
				11685	1.00	
MALANGE	RADIO CLUBE DE MALANGE	1	2	1205	1.00	
				4935	1.00	
				7115	0.50	

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## ANGOLA

		AS OF: 10/20/76			
MOCAMEDES	RADIO CLUBE DE MOCAMEDES	1	4	1331	1.00
				3740	0.75
				5015	1.00
				7230	0.75
				9515	1.00
MOXICO	RADIO CLUBE DO MOXICO (IN LUSO)	1	1	1214	1.00
				5137	1.00
UIGE	RADIO CLUBE DO	1	1	1178	1.00
UIGE	RADIO CLUBE DO CONGO PORTUGUESE (IN CARMONA)	1	1	1178	1.00
				6315	1.00

\*ALSO HAS AN FM TRANSMITTER

## 1.10.3 TELEPHONE

## 1.10.3.1 TELEPHONE

1966. TELEPHONE SYSTEMS IN LUANDA AND NOVA LISBOA. UNDER CONSTRUCTION IN BENGUELA, CATUMBELA, LOBITO. TELEPHONES IN OTHER LOCALITIES OPERATED BY MANUAL CENTRAL BATTERY SYSTEM.

INTERNAL LONG DISTANCE CALLS HANDLED THROUGH VHF RADIO-TELEPHONE NETWORK, SUPPORTED BY SINGLE SIDEBAND NET CONNECTING MOST MAJOR TOWNS. INTERNATIONAL TELEGRAPH AND RADIO TELEPHONE CONNECTIONS HANDLED BY RADIO MARCONI PORTUGUESE CORP. THROUGH STATIONS IN LUANDA, LISBON. JANUARY 1974: 38,000 TELEPHONES.

## 1.10.4 TELEVISION

## 1.10.5 OTHER

## 1.10.5.1 GENERAL

STRONGEST LINES OF COMMUNICATION. RUN FROM WEST TO EAST. COMMUNICATIONS NETWORKS MORE DEVELOPED WITHIN 4 GEOGRAPHIC REGIONS THAN BETWEEN THEM. ONLY RELIABLE MEANS OF COMMUNICATIONS WITH MUCH OF THE INTERIOR PLATEAU IS BY AIR.

## 1.11 CHECKLIST

## 1.11.1 DESCRIPTION

CABINDA IS SEPARATED FROM ANGOLA BY ZAIRE. CABINDANS CLAIM TO BE ETHNICALLY AND HISTORICALLY DISTINCT FROM ANGOLANS, AND THAT THEY ARE SUBJECT TO ANGOLAN ECONOMIC DISCRIMINATION.

## 1.12 BIBLIOGRAPHY

## 1.12.1 LIST

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ANGOLA

- AS OF: 10/20/76
- ANGOLA GOVERNMENT. SOCIEDADE PUBLICITARIA DE ANGOLA. CARTA  
RODOVARIA TURISTICA. LUANDA: LELLO, 1971.
- BENN BROTHERS. LTD. PORTS OF THE WORLD. LONDON: BENN BROTHERS,  
1972.
- DEAK & CO., INC. FOREIGN MONEY QUOTATION LIST. WASHINGTON, D.C.:  
DEAK & CO., APRIL 1976.
- ENCYCLOPAEDIA BRITANNICA BOOK OF THE YEAR 1976. CHICAGO:  
BRITANNICA, 1976.
- ESPENSHADE, EDWARD B., JR. GOODES WORLD ATLAS, 14TH ED. CHICAGO:  
RAND MCNALLY, 1974.
- EUROPA PUBLICATIONS, LTD. EUROPA YEARBOOK 1975-76. LONDON:  
EUROPA PUBLICATIONS, 1975.
- FOOD AND AGRICULTURE ORGANIZATION. FOOD BALANCE SHEETS.  
ROME: FAO, 1971.
- HERRICK, ALLISON BUTLER ET AL. AREA HANDBOOK FOR ANGOLA.  
WASHINGTON, D.C.: GPO, 1967.
- INTERNATIONAL CIVIL AVIATION ORGANIZATION: AIR NAVIGATION PLAN:  
AFRICA AND INDIAN OCEAN REGIONS, 9TH ED., DOC. NO. 747419,  
MONTREAL: ICAO, APRIL 1975.
- INTERNATIONAL MONETARY FUND. THE ECONOMY OF ANGOLA. (NOT FOR  
PUBLIC USE), WASHINGTON, D.C.: IMF, OCTOBER 6, 1975.
- PAXTON, JOHN. THE STATESMAN'S YEARBOOK, 111TH ED. NEW YORK:  
ST. MARTINS PRESS, 1974.
- PORTUGUESE GOVERNMENT, INSTITUE NACIONAL DE ESTATISTICA.  
ANUARIO ESTATISTICO, CENSO DE 1970, VOLUME II. LISBON:  
INE, 1973.
- US GOVERNMENT, AGRICULTURE DEPT., ECONOMIC RESEARCH SERVICE. THE  
AGRICULTURAL SITUATION IN AFRICA AND WEST ASIA: REVIEW OF 1974  
AND OUTLOOK FOR 1975. WASHINGTON, D.C.: USDA, 1975.
- COMMERCE DEPT., ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION.  
CLIMATES OF THE WORLD. WASHINGTON, D.C.: GPO, 1972.
- STATE DEPT., ANGOLAN ECONOMIC PROFILE: INR REPT. NO. 348.  
(LIMITED OFFICIAL USE). WASHINGTON, D.C.: INR, MARCH 1976.
- BACKGROUND NOTES: ANGOLA. WASHINGTON, D.C.: GPO,  
SEPTEMBER 1973.
- FACT SHEETS. WASHINGTON, D.C.: STATE/FADRC, 1974, 1976.
- FOREIGN SERVICE LIST. WASHINGTON, D.C.: GPO, AUGUST 1975.
- VISA REQUIREMENTS OF FOREIGN GOVERNMENTS. WASHINGTON, D.C.:  
JANUARY 1976.
- TRANSPORTATION DEPT., FAA. INTERNATIONAL FLIGHT INFORMATION  
MANUAL. WASHINGTON, D.C.: NATIONAL FLIGHT DATA CENTER,  
JANUARY 1976.
- WESTERMAN, SYLVIA. THE CBS NEWS ALMANAC 1976. MAPLEWOOD, N.J.  
HAMMOND ALMANAC, 1975.
- WORLD HEALTH ORGANIZATION. 4TH REPORT ON THE WORLD HEALTH SITUATION,  
PART II. GENEVA: WHO: 1974.