

BIRD CONCENTRATIONS IN THE VICINITY OF MASERU/MOSHOESHOE I  
INTERNATIONAL AIRPORT

There are no distinct feeding or resting areas on or in the vicinity of Moshoeshoe I International Airport, but if any concentrations are observed by the aerodrome controller, pilots will be informed of their activity and estimated heights AGL.

GENERAL HAZARDS AT ALL AERODROMES

Grass cutting and general maintenance can be in progress at aerodromes. The majority of persons carrying out this work have little or no knowledge of aviation procedures. Therefore, extreme caution is to be taken when landing, taking off or ground manoeuvring when such work is being done.

During the rainy season (generally from November to May) there is a strong likelihood that strips will become water logged or damaged in such a way as to make landing and ground manoeuvring difficult.

ADDITIONAL HAZARDS AT UNMANNED

AERODROMES

The majority of these aerodromes are unfenced and the possibility of persons and/or animals being on the landing area is to be expected. These aerodromes are also inspected very infrequently.

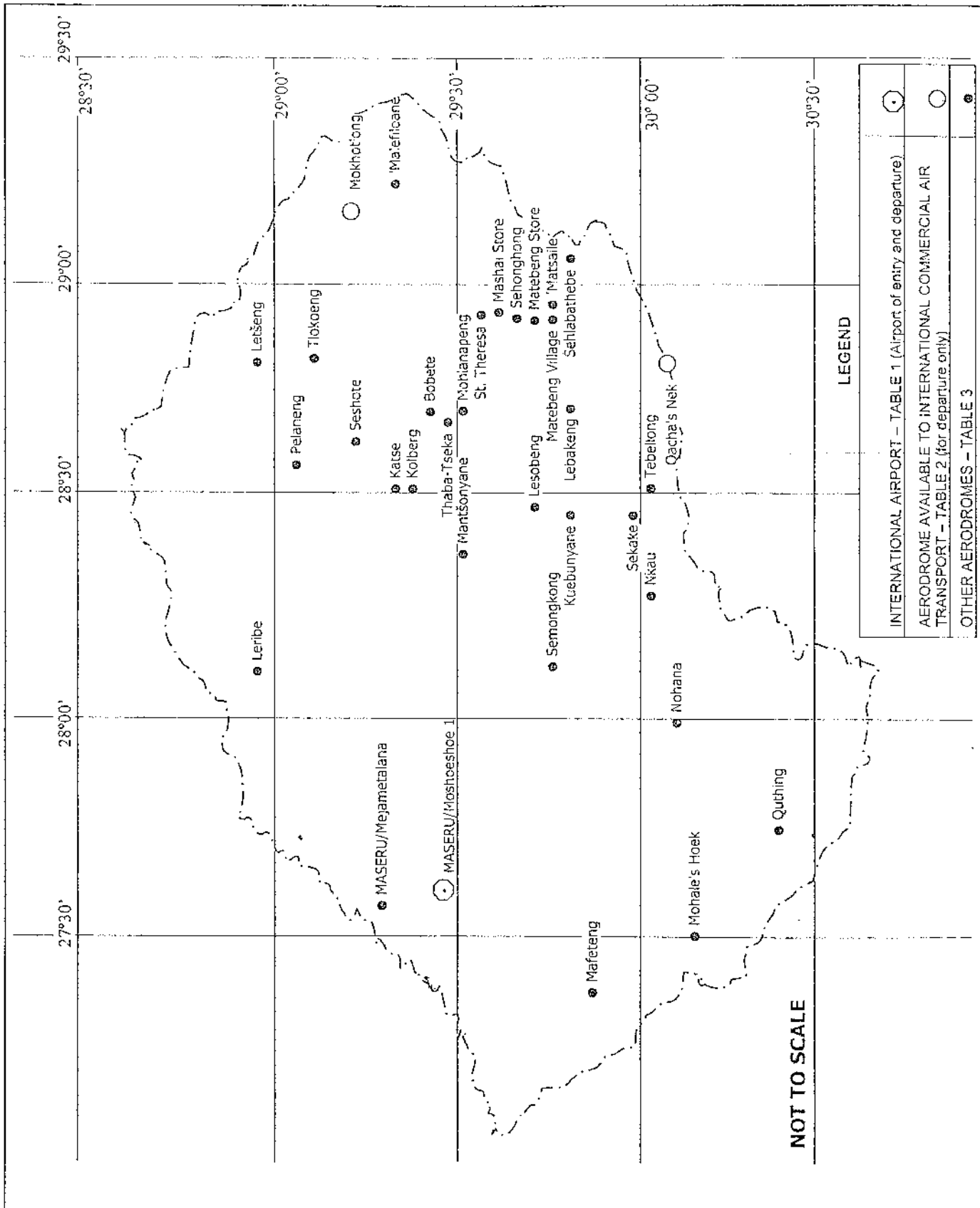
Pilots should therefore ensure that an aerial inspection is made to ascertain whether any obstruction or hazardous condition exists on the strip before attempting to land.

The co-operation of pilots is requested regarding the reporting of any unserviceability such as long grass, water logging, ruts and any other condition that could jeopardize the safe operation of aircraft. All reports should be made to ATC MASERU.

HOURS OF OPERATION

Hours of operation are notified in this section of the AIP under AGA 2 and 3. Any request to operate outside the published hours has to be pre-arranged with the Department of Civil Aviation at least 48 hours before the time of the intended flight.

AERODROME INDEX

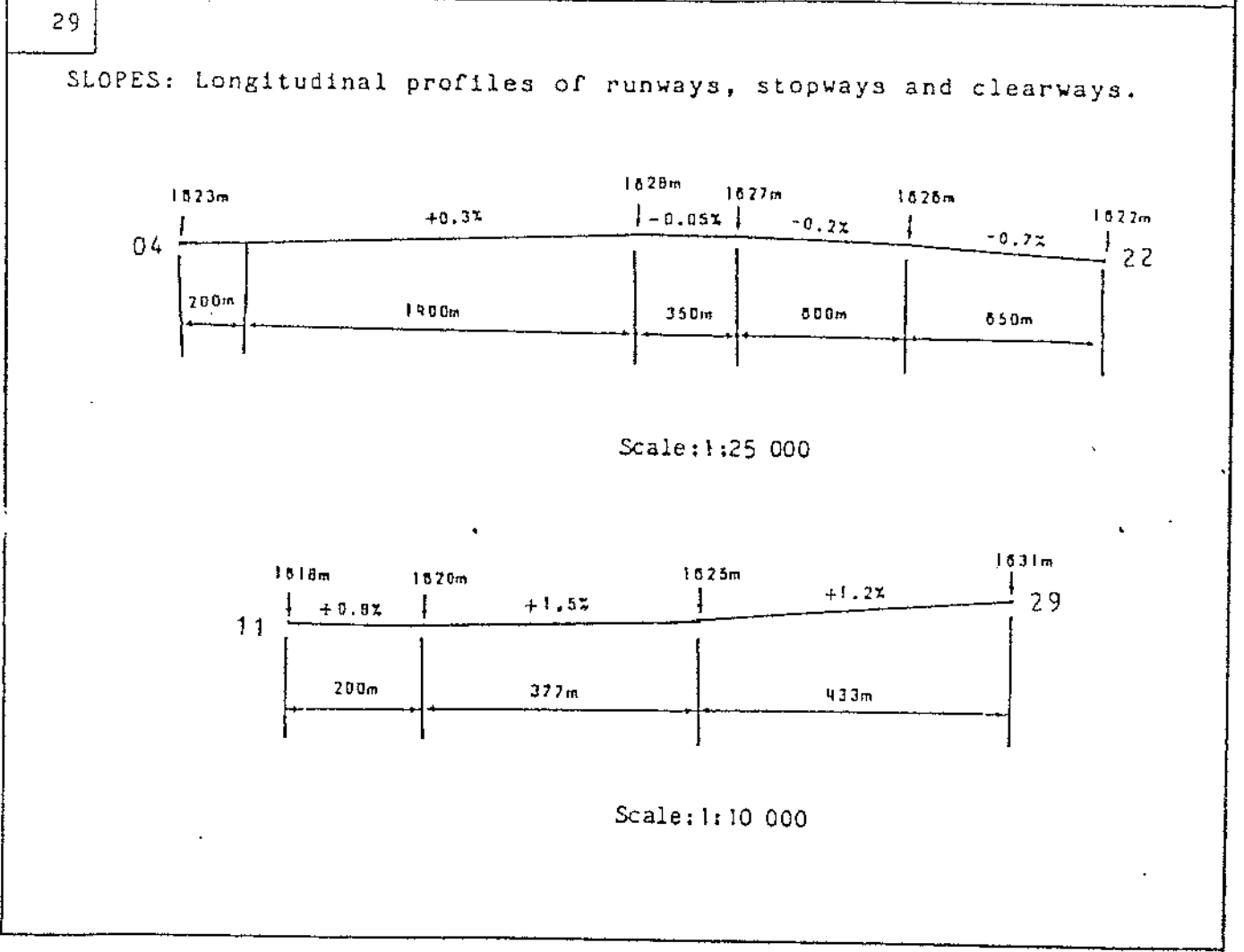


INTERNATIONAL AIRPORTS											
CITY/Aerodrome	Designated Article 10	Sanitary Aerodrome	TRAFFIC			CLEARANCES			Hours of Service	LIMITATIONS ON THE USE OF THE AERODROME	TRANSIT FACILITIES AND REMARKS
			Scheduled	Non-Scheduled	Private	Customs	Immigration	Health			
1	2	3	4	5	6	7	8	9	10	11	12
MASERU/ Moshoeshoe 1	X	-	X	X	X	X	X	X	0500-1600	Aerodrome and Approach Control are provided by Maseru Tower and Maseru Approach, respectively.	Prior permission required for non-scheduled flights operated for remuneration or hire.  FPL/RPL required for all international flights.  For operations through Mokhotlong or Qacha's Nek, Customs and Immigration are available on request.
MOKHOTLONG/ Mokhotlong	X	-	X	X	X	X	X	X	Consult NOTAM	1) AFIS and Fire Cover not available 2) For international departures 3) Customs and immigration available for international departures.	
QACHA'S NEK/ Qacha's Nek	X	-	X	X	X	X	X	X	Consult NOTAM	1) AFIS and Fire Cover not available 2) For international departures 3) Customs and immigration available for international departures.	

## AERODROME FOR USE BY INTERNATIONAL COMMERCIAL AIR TRANSPORT - LAND

2	Ref. Point: Lat 29°26'37.176"S Long. 027°33'26.983"E Site: ILS GP Calibration Point (212°/264m from THR 22)	1	CITY/Aerodrome: <b>MASERU/Moshoeshoe 1 International</b>
3	Distance and direction from city: 15km(8nm)/155° from Lesotho Sun (29°19'12.288"S 027°29'32.453"E)	18	Fuel Grades: AVGAS 100, Jet-A1 (check latest AIP-Supplement)
		19	Oil Grades: BPD 100(W100) BP 100 (Straight Aeroshel 750) - (check latest AIP-Supplement)
4	Elevation: 5348ft(1664m)	20	Oxygen and related servicing: Charging, Compressed Air, Nitrogen (check latest NOTAM)
5	Aerodrome reference temperature: 32.5°C (JAN)		
6	Magnetic Variation: 21°W (2001)	21	Refueling facilities & limitations: 0500 - 1600 UTC. Jet-A1 from hydrants 160,000 litres. AVGAS from dispensers 23, 000 litres. (check latest NOTAM)
7	Transition Altitude: 10, 000 ft		
8	Operational Hours: 0500 - 1600 UTC (check latest NOTAM)		
9	Administrative Authority: Department of Civil Aviation (Airport General Manager - <a href="mailto:agm@cia.gov.ls">agm@cia.gov.ls</a> )	22	Hangar space available for visiting aircraft: NIL
10	Postal Address: P.O. Box 629 Maseru - 100, Lesotho.	23	Repair facilities normally available: Limited (check latest NOTAM)
11	Telegraphic Address : 1. AFTN : FXMMYAYX 2. Commercial : CIVILAIR Maseru	24	Fire protection available: Category VI
		25	Seasonal availability: All year
12	Telephone Number: AGM (+266) 22 350777 EXT 122 TWR (+266) 22 350777 EXT 101 (+266) 22 350395	26	Local Flying restrictions: 1. No flying over Maseru City below 2000ft AGL unless otherwise authorised by ATC 2. Circuit Patterns: RWY04 - right hand; RWY 22 - left hand; RWY 11 - left hand; RWY 29 - right hand, unless otherwise authorised by ATC.
13	Overnight Accommodation: Hotels in the city.		
14	Restaurant Accommodation: 48 seats		
15	Medical Facilities: 1 ambulance and first aid room at the airport, 3 Hospitals in the city ≤15km.	27	Pre-flight altimeter check location(s) and elevation: THR RWY 04, elev. 1657m/5326ft THR RWY 22, elev. 1655m/5320ft THR RWY 11, elev. 1651m/5308ft THR RWY 29, elev. 1664m/5348ft INS check point(s) not yet established.
16	Transportation available: Buses and Taxis		
17	Cargo handling facilities: 2 Forklifts 1500 kg, Max lift height 3.3m.		

29	<b>METEOROLOGICAL DATA</b>											
Mean daily maximum and Minimum temperature (c) for each month of the year.												
Temperature	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Maximum	32.5	32.5	26.4	23.8	17.3	17.9	19.0	21.5	24.9	26.1	28.5	28.7
Minimum	15.6	15.7	13.0	7.7	3.7	1.4	-1.0	2.4	8.2	11.7	12.9	14.4
Mean pressure in hectopascals (hpa) for each month of the year												
Remarks: Mean pressure are not available as they are still on test.												



30 PHYSICAL CHARACTERISTICS											
RUNWAY			DIMENSIONS (m)					STRENGTH		SURFACE	
Designation	True Brg	Type	Runway	Stopway	Clearway	Strip	Runway End Safety Area	Runway	Runway	Stopway	Runway Friction calibration
a	b	c	d	e	f	g	h	i	j	k	l
04 22	016 198	NONI PAI	3200 x 45	-	-	3320 x 150	-	PCN52/F/ b/w/t	Asphaltic Concrete	-	-
11 29	086 266	NONI NONI	1010 x 29	-	-	1130 x 23	-	PCN12/F/ b/y/t	Asphaltic Concrete	-	-

REMARKS : RWY 04 200m displaced

31 MOVEMENT AREAS

Aprons:	Taxiways :
International - Surface: Concrete	Taxiway-A Width: 23m
- Strength: PCN 58/r/b/w/t	Surface : Asphaltic Concrete
	Strength : PCN 52/f/b/w/t
Domestic - Surface : Aggregate Turf.	Taxiway-B Width : 15m
- Strength: PCN 8/f/b/z/t	Parallel Surface : Asphaltic Concrete
	Strength : PCN 12/f/b/y/t
	Taxiway-C Width : 15m
	Surface : Asphaltic Concrete
	Strength : PCN 12/f/b/y/t
	Taxiway-D Width : 10m
	Surface : Aggregate Turf
	Strength : PCN 06/f/b/z/t

Heliport : None

REMARKS : Maseru/Moshoeshoe I International Airport - All light aircraft other than scheduled flights shall park at General Aviation Apron after Customs and Immigration formalities, where applicable.

## VISUAL GROUND AIDS

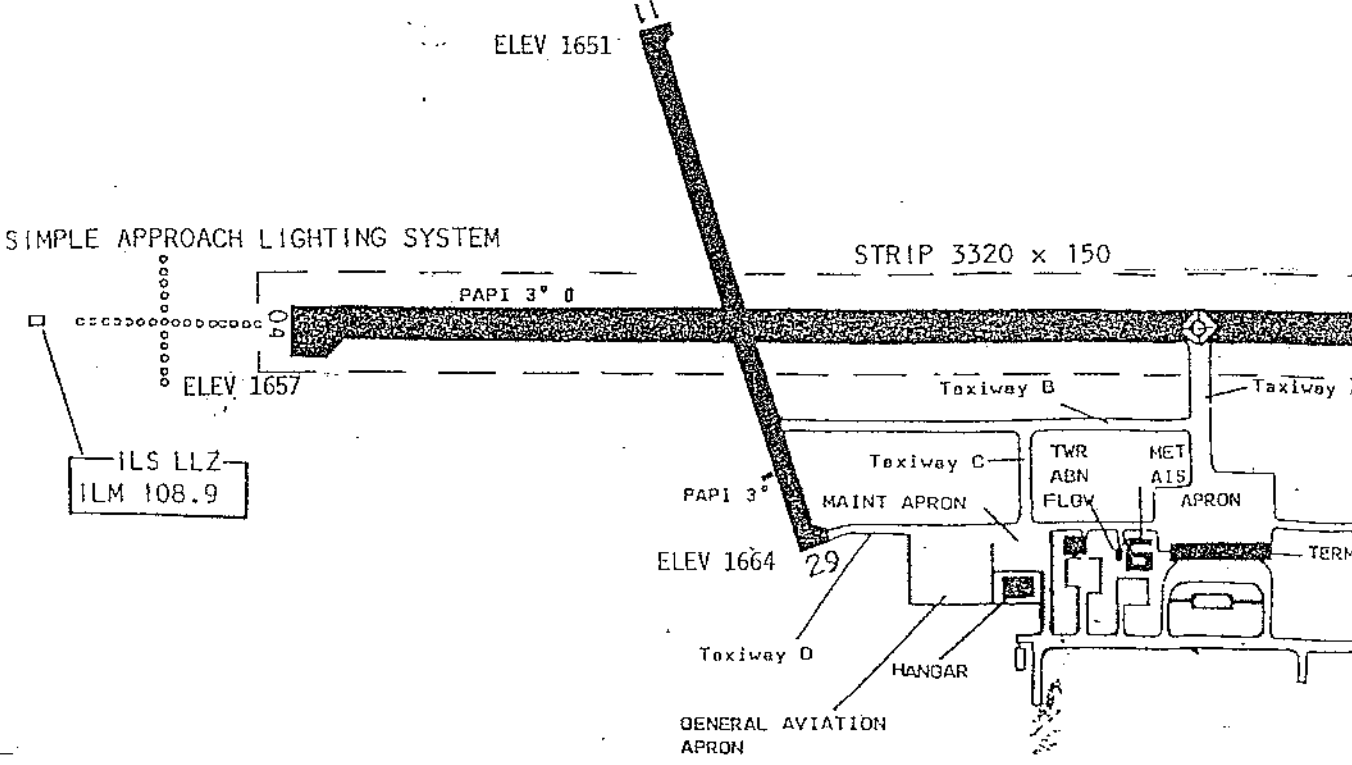
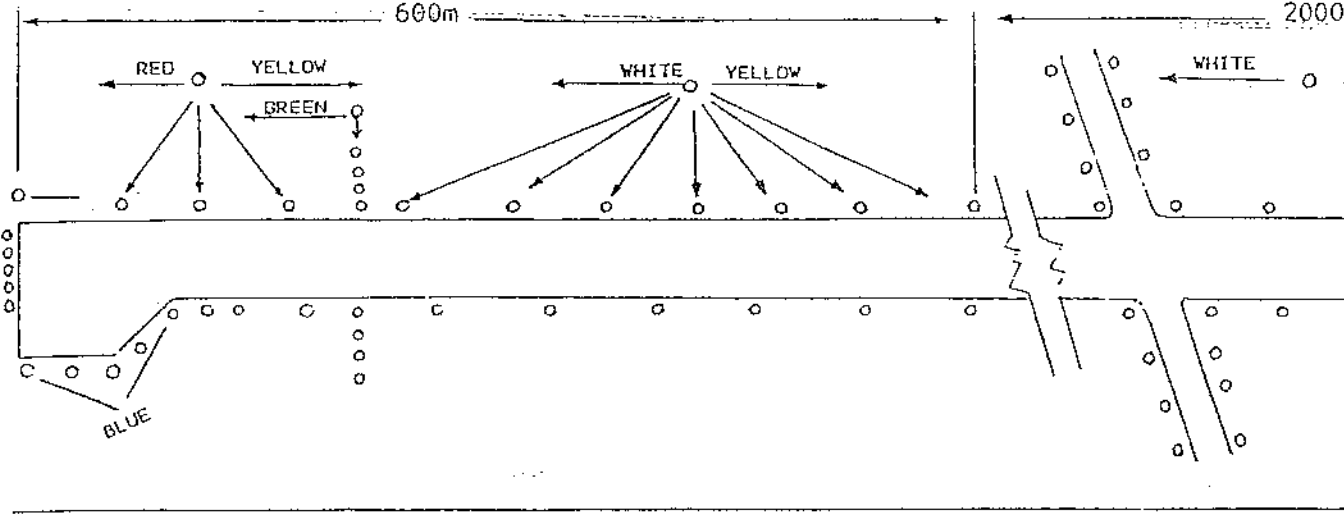
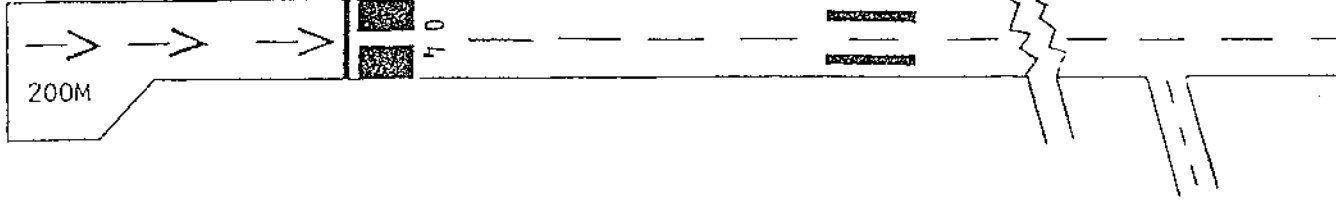
32	Taxiing Guidance System: NIL	
33	Visual aids to location: ABN Altn Flg WG 4 Seconds <b>(check latest NOTAM/AIP-Supplement)</b>	
34	Indicators and ground signaling devices: NIL	
35	LIGHTING AIDS:	
	<p>Approach Lighting:</p> <p>RWY 04 – HI 420m white centre line with white crossbar at 300m.</p> <p>LI 420m red centre line with red crossbar at 300m.</p> <p>PAPI 4 – Units on left 3<sup>o</sup> glidepath.</p> <p>RWY 22 – HI CAT I 900m white centre line with white crossbar at 300m.</p> <p>LI 420m red centre line with red crossbar at 300m.</p> <p>PAPI 4 – Units on left 3<sup>o</sup> glidepath.</p> <p><b>(check latest NOTAM/AIP-Supplement)</b></p> <p>RWY 11 – None.</p> <p>RWY 29 – PAPI 4 – Units on left 3<sup>o</sup> glidepath.</p> <p>REILS 2 White.</p>	<p>Runway Lighting:</p> <p>RWY 04: Green on displaced threshold otherwise same as on RWY22.</p> <p>RWY 22: Green threshold, red end, white edge except last 600m yellow, turning area blue.</p> <p>RWY 11: Green threshold, red end, white edge except last 500m yellow, turning area blue.</p> <p>RWY 29: Green threshold, red end, white edge except last 500m yellow.</p> <p>Other lighting:</p> <p>Taxiway and Apron edges: Blue.</p>
	REMARKS:	

36	<b>EMERGENCY LIGHTING AND SECONDARY POWER SUPPLY:</b>  2 x 10% diesel generators, automatic start with switch-over time 15 seconds.					37	<b>OBSTRUCTION MARKING AND LIGHTING:</b> Red non-flashing light on: - Hangar 2, Fire and Rescue 2, Apron Floodlight Masts 4, Control Tower 2, 'ME' NDB Mast 2, Windcones 4 with day marking, Anemometers 2 with day marking, ILS Localizer 2, ILS GP 1, TCL Tower (Airport) 1.				
38	<b>MARKING AIDS:</b>  Runways : Thresholds, Centre Lines, Runway Designations, Aiming Points, Side Stripes, RWY 04/22, Touchdown Zone. Taxiways : Centre Lines, Taxi Holding Positions International Apron: Self-Parking Guidelines.										
39	<b>OBSTRUCTIONS IN APPROACH AND TAKE-OFF AREAS</b>										
RWY	TYPE	ELEV (m/ft)	FROM RWY THR		RWY	TYPE	ELEV (m/ft)	FROM RWY THR			
a	b	c	DIST (m)	MAG	a	b	c	DIST (m)	MAG		
22	OM ANTENNA	1900 (6126)	11321	036°	22	VCL ANTENNA	1980 (6386)	10937	028°		
	TCL ANTENNA (Berea)	1988 (6415)	10983	027°		RDO LESOTHO TOWER	1956 (6309)	12442	012°		
04	DVOR/DME ANTENNA	1734 (5579)	3749	216°							
<b>DECLARED DISTANCES (m):</b>		RWY	TORA	ASDA	TODA	LDA	40				
		04	3193	3193	3193	2993					
		22	3193	3193	3193	3193	NIL				
		11	1008	1008	1008	1008					
		29	1008	1008	1008	1008					
41	<b>DISABLED AIRCRAFT REMOVAL</b>  Arrangement made with neighbouring States										



RWY	DIRECTION	THR	BEARING STRENGTH
04	015°	29°28'03.93"S 027°33'02.92"E	PCN52/F/b/w/t
22	195°	29°26'29.96"S 027°33'32.22"E	PCN52/F/b/w/t
11	085°	29°27'45.69"S 027°32'47.76"E	PCN12/F/b/y/t
29	265°	29°27'42.99"S 027°33'25.06"E	PCN12/F/b/y/t
HELIPORT		NIL	

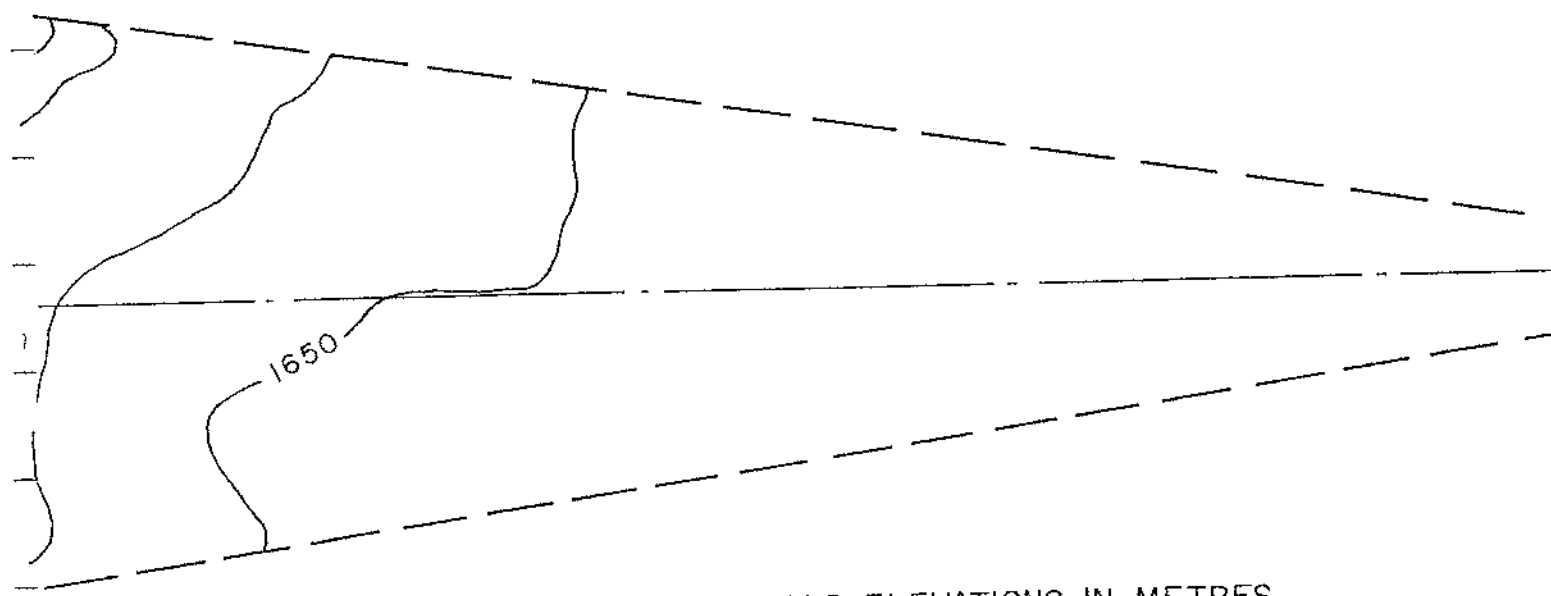
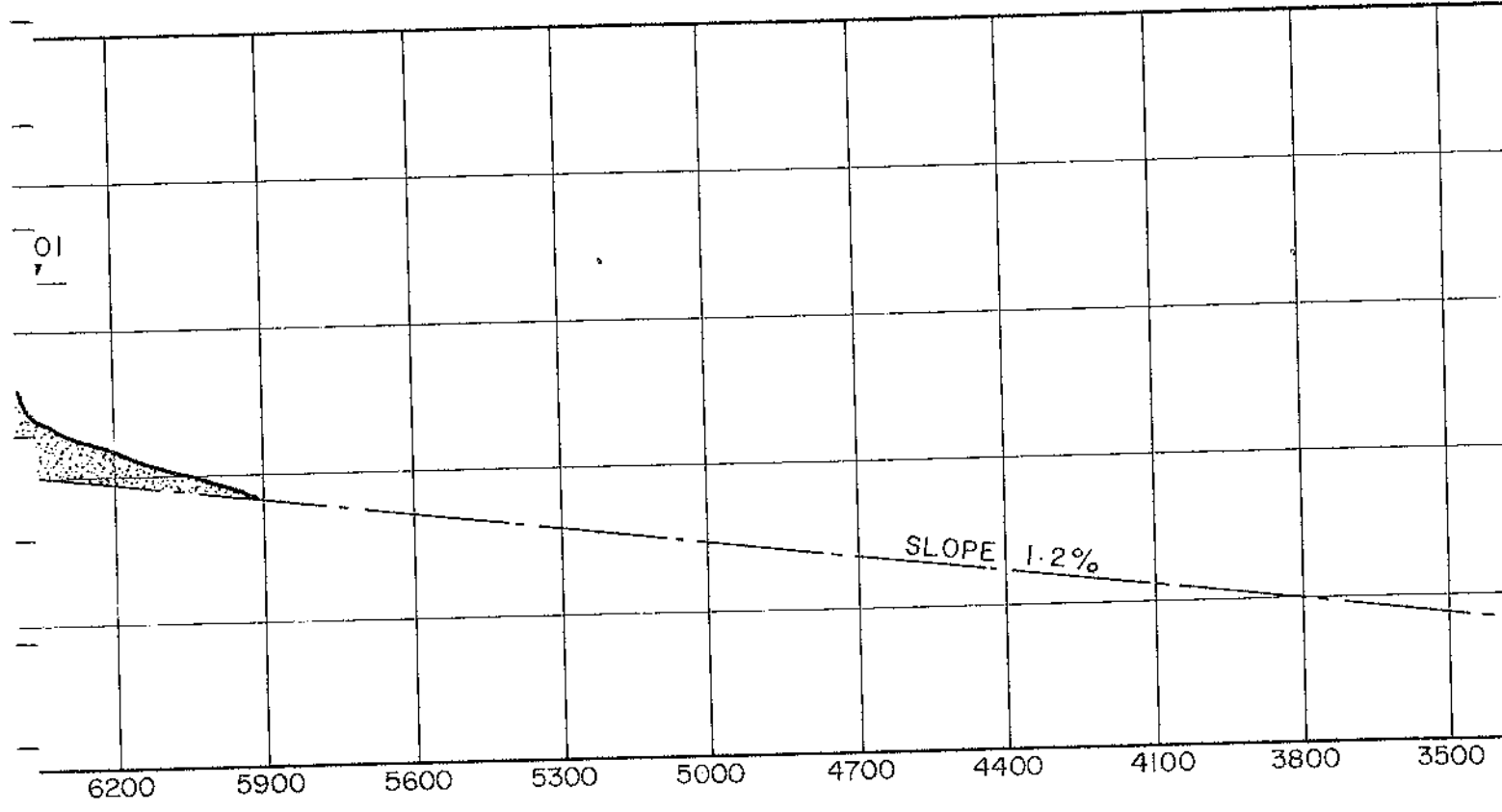
Taxiway 'A' - 25m wide PCN52/F/b/w/t  
 Taxiway 'B' - 15m wide PCN12/F/b/y/t  
 Taxiway 'C' - 15m wide PCN02/F/b/y/t  
 Taxiway 'D' - 10m wide PCN06/F/b/z/t  
 Apron - International PCN58/r/b/w/t - Elev 1630m  
 Apron - Domestic PCN06/F/b/z/t - Elev 1629m



0 : MOSHOESHOE I INTERNATIONAL

RWY 04/22

V : 19° 27' JUNE 1986

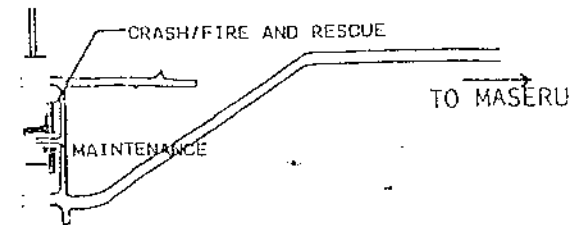
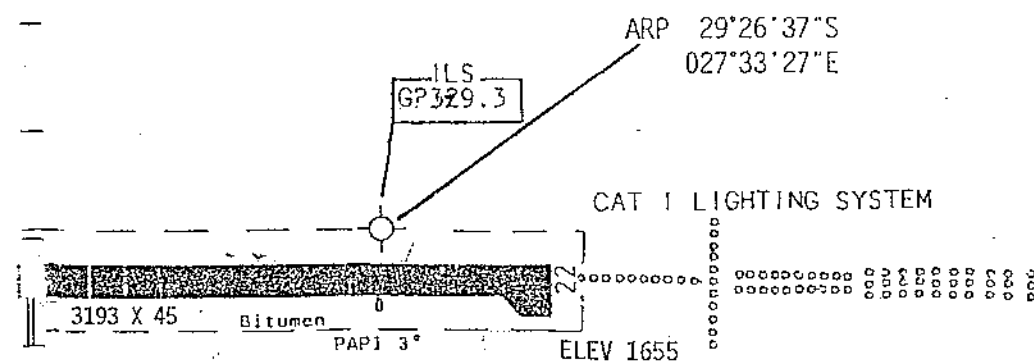
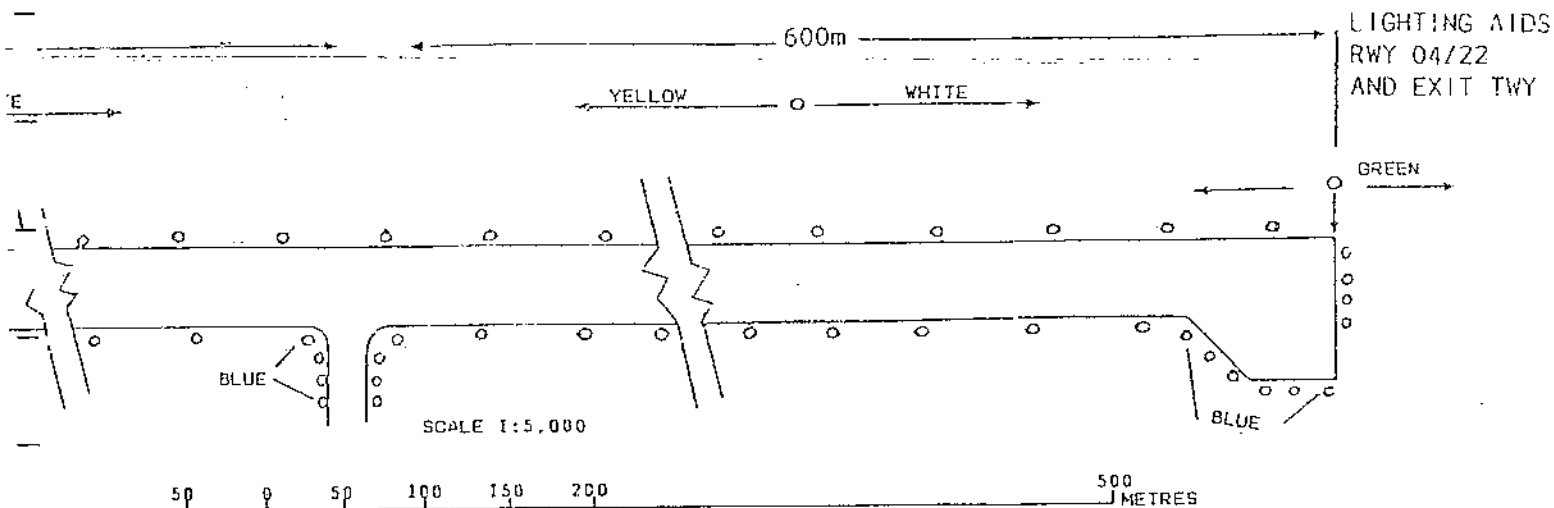
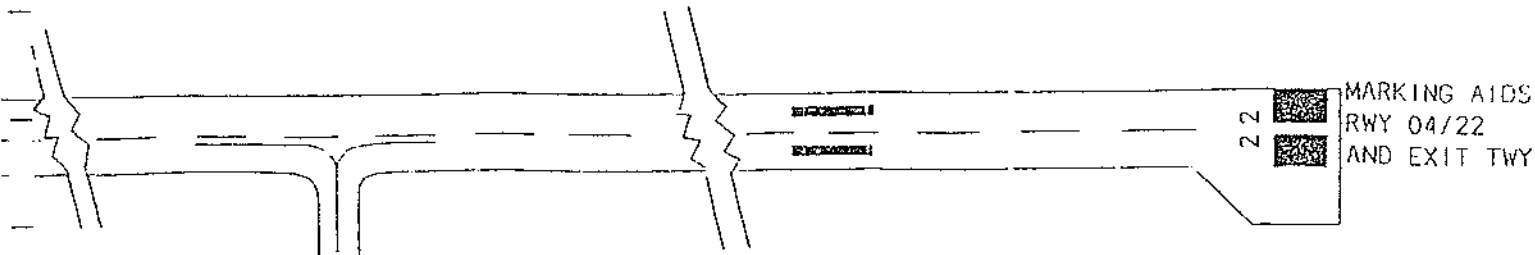
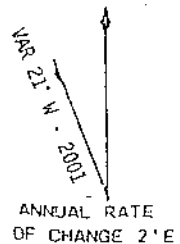


DIMENSIONS AND ELEVATIONS IN METRES

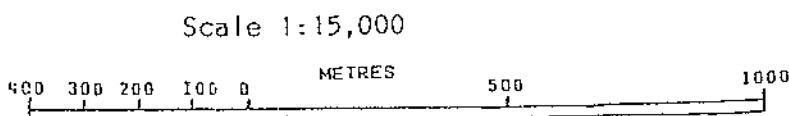
TWR 118.5

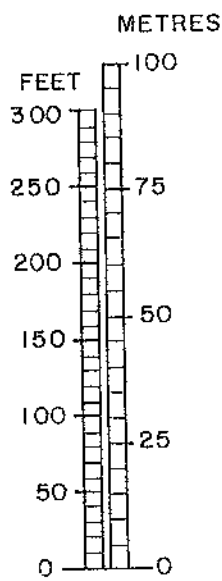
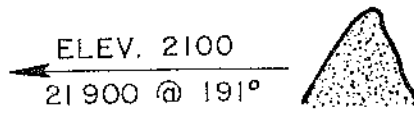
MASERU/MOSHOESHOE I INTERNATIONAL

ELEVATIONS AND DIMENSIONS IN METRES  
BEARINGS ARE MAGNETIC

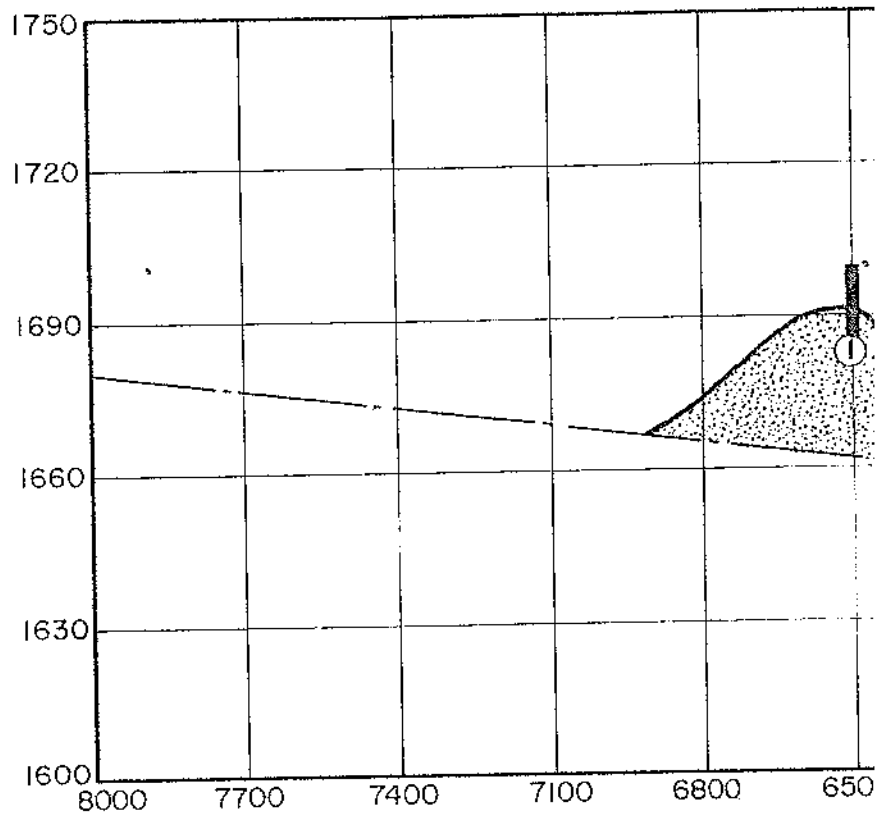


LEGEND

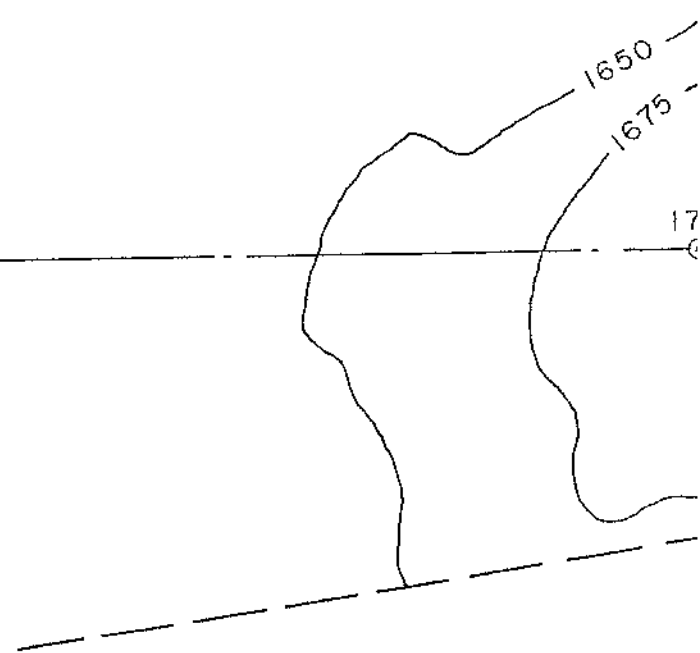




VERTICAL SCALE  
1 : 1500



LEGEND	
IDENTIFICATION NUMBER	①
ANTENNA	⊙
TERRAIN CONTOUR	~ ~ ~
TERRAIN PENETRATION OBSTACLE PLANE	▲



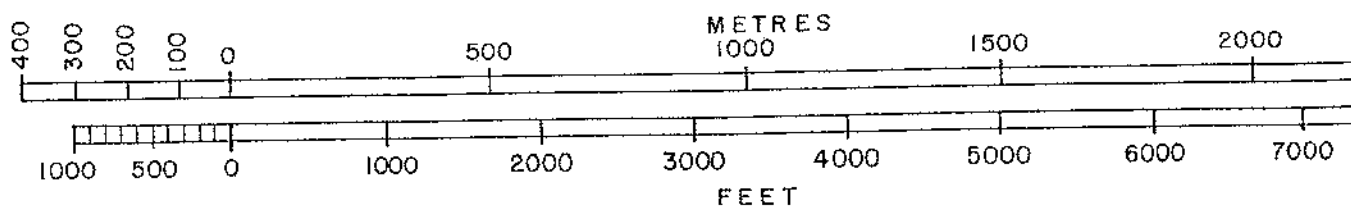
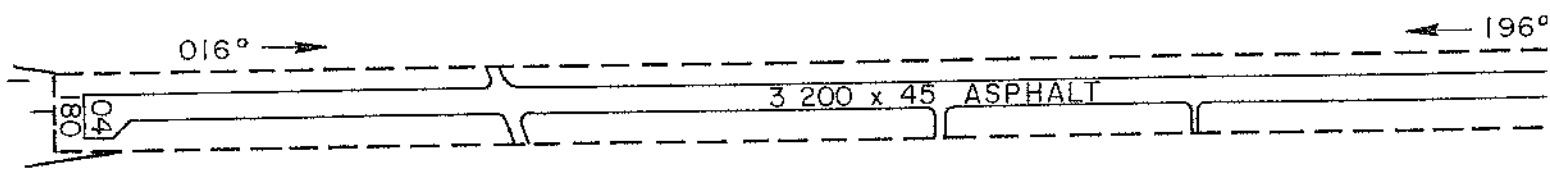
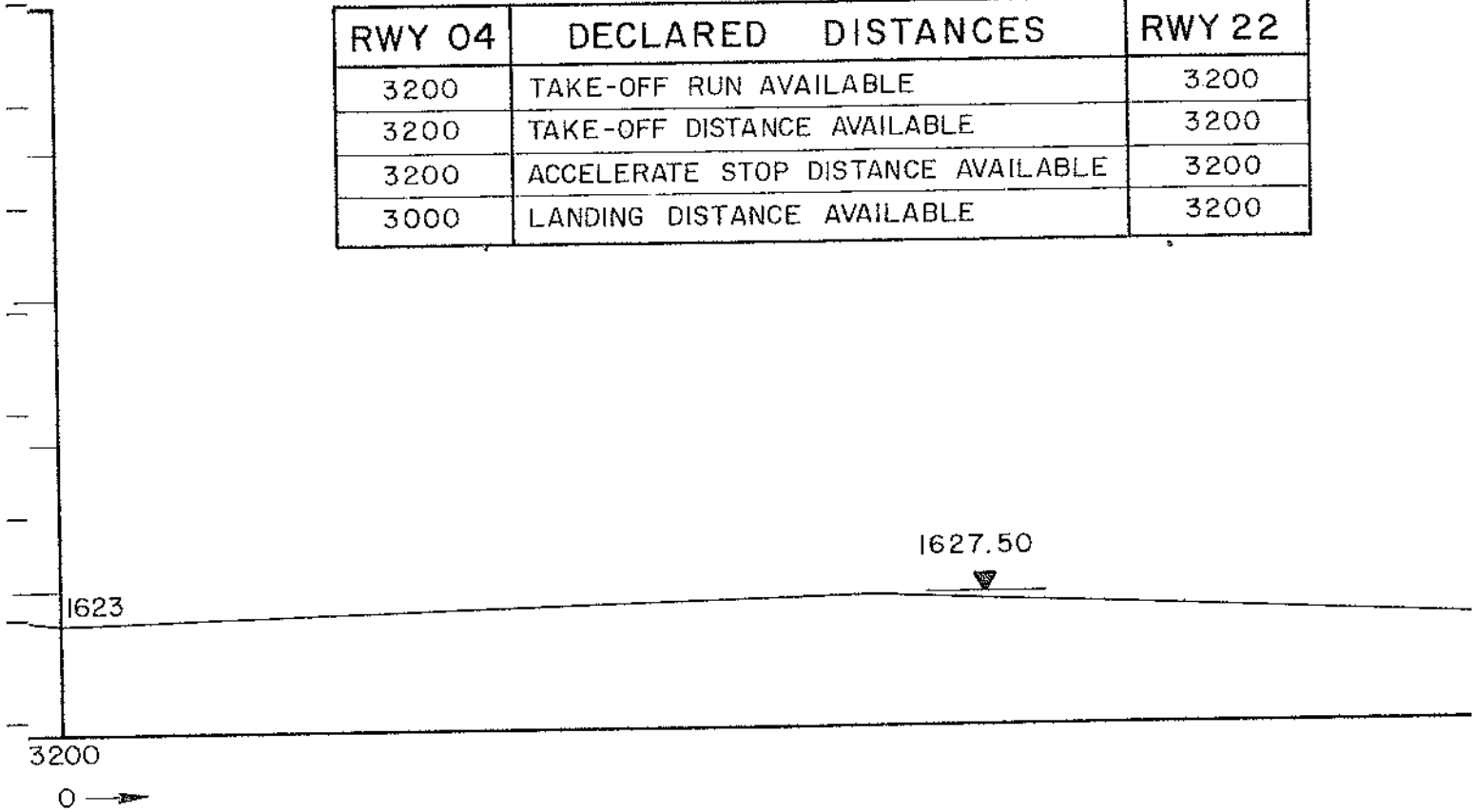
DATE OF AERONAUTICAL  
INFORMATION - JUNE 1986

# AERODROME OBSTACLE CHART - ICAO

## TYPE A (OPERATING LIMITATIONS)

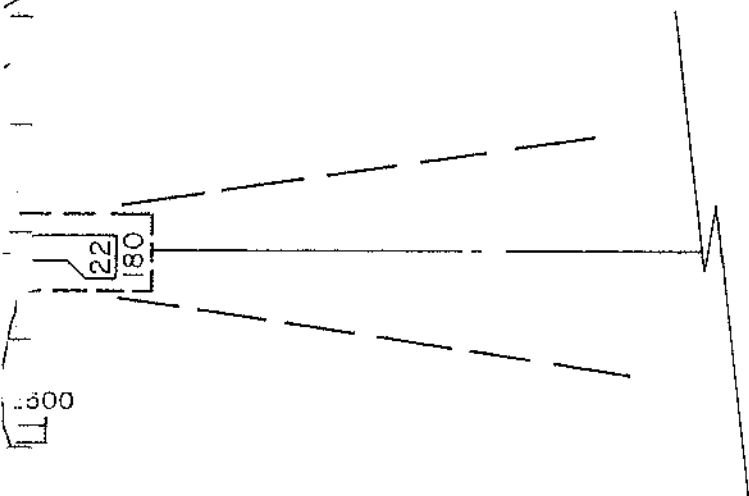
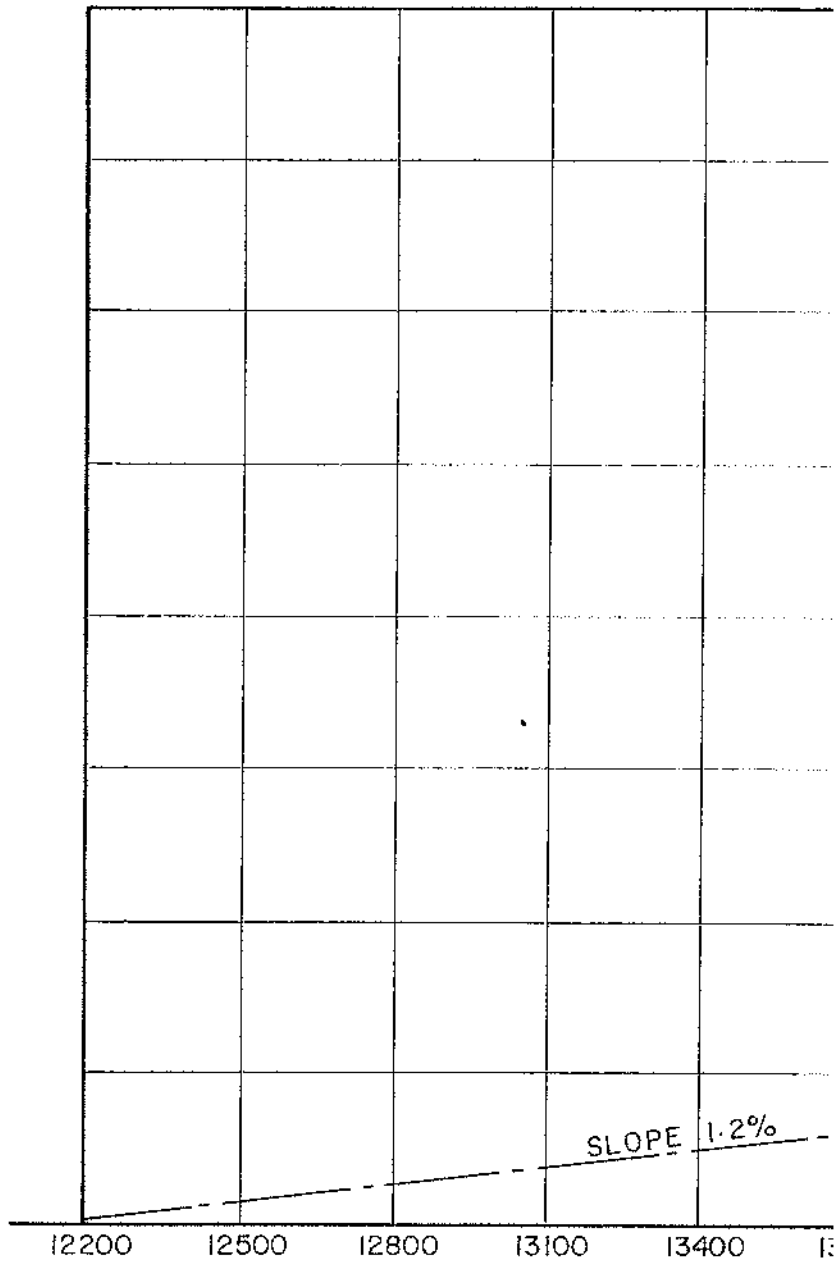
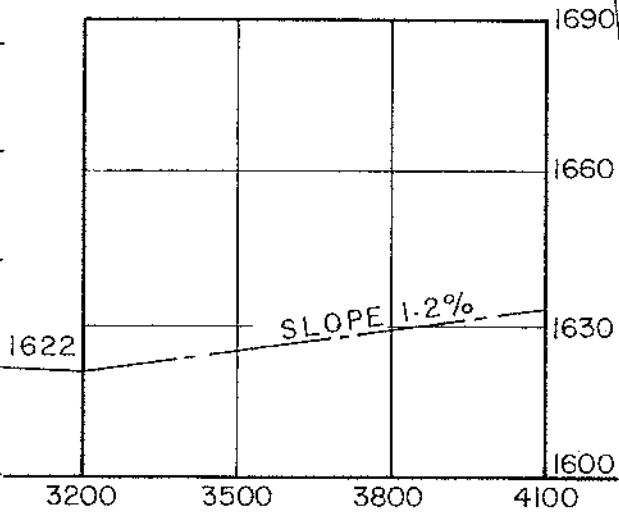
RWY 04/22

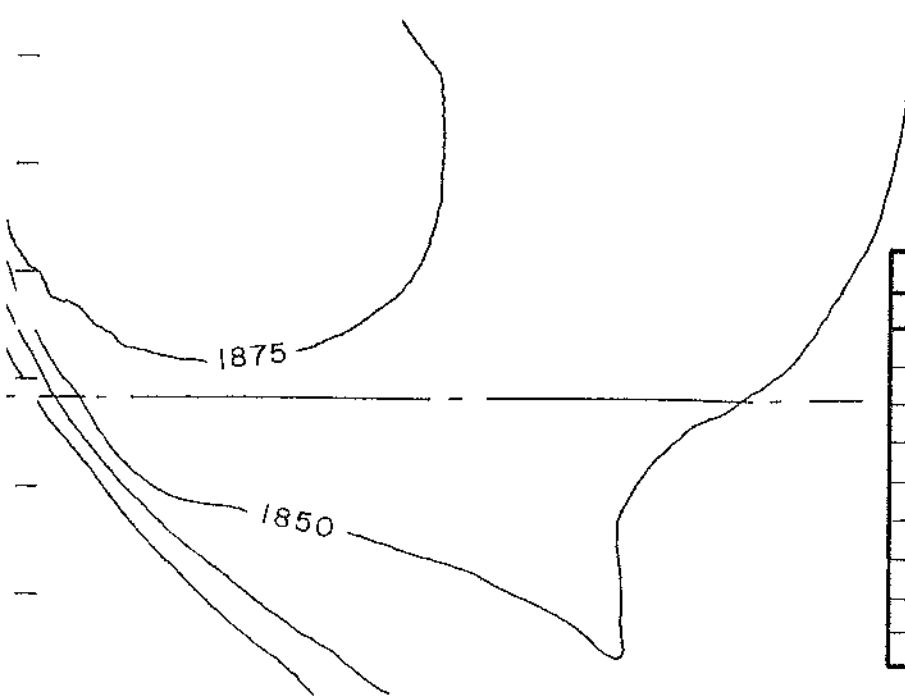
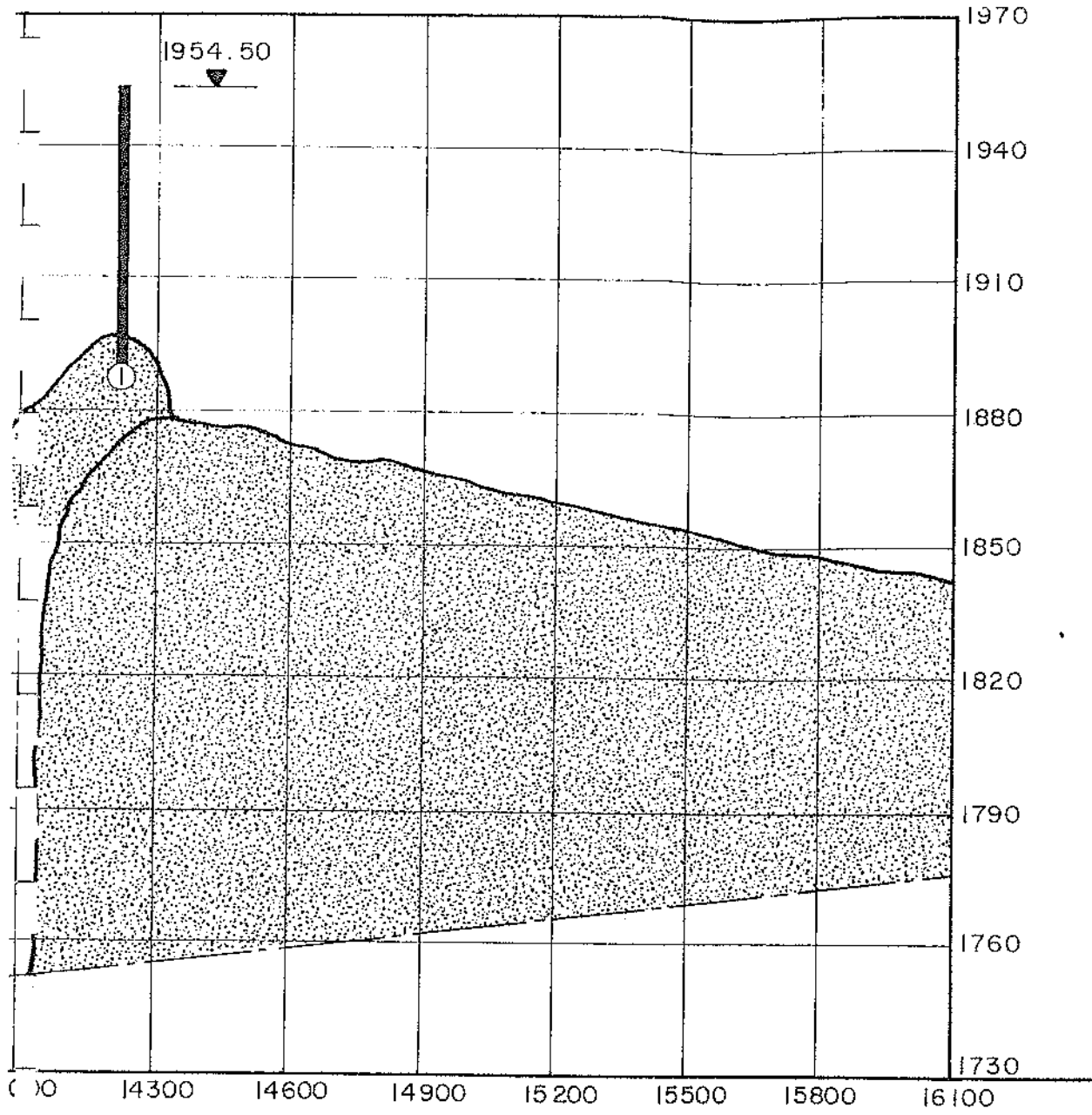
RWY 04	DECLARED DISTANCES	RWY 22
3200	TAKE-OFF RUN AVAILABLE	3200
3200	TAKE-OFF DISTANCE AVAILABLE	3200
3200	ACCELERATE STOP DISTANCE AVAILABLE	3200
3000	LANDING DISTANCE AVAILABLE	3200



HORIZONTAL SCALE 1 : 15 000

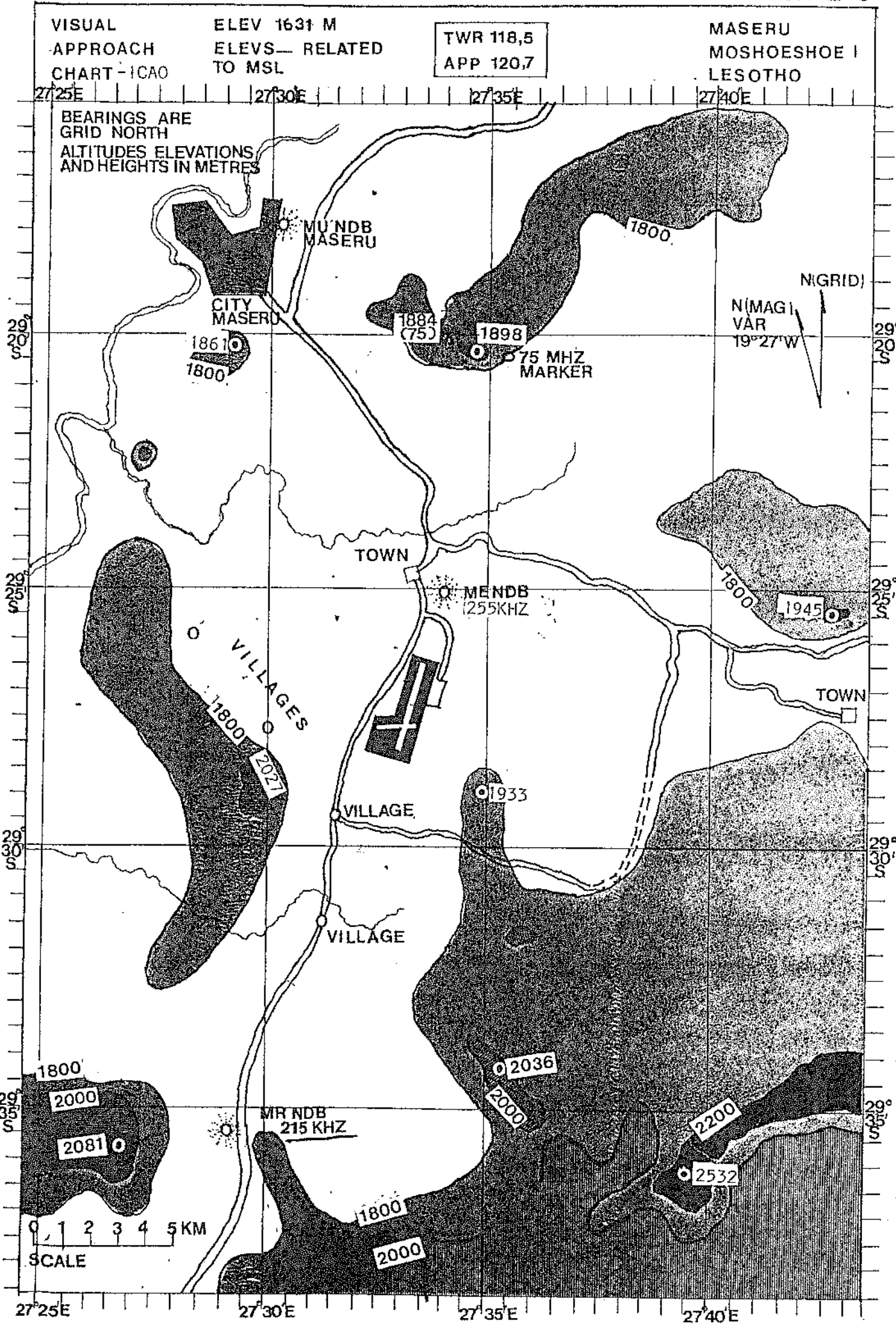
ELEV. 1954.5  
14 200 @ 006°





AMENDMENT RECORD		
NO.	DATE	ENTERED BY

*[Handwritten signature]*  
 DRAWN BY: ZENO TECHNICAL SERVICES (PTY) LTD.





AERODROME DIRECTORY - LAND																	
CITY/ Aerodrome	COORDINATES		ELEV FT/M	RWY	LANDING AREA						LIGHTING				GROUND SERVICES	AERODROME OPERATING HOURS	AUTHORITY SUPERVISING THE AERODROME AND REMARKS
	LOCATION				RWY	DIMENSIONS (m)			RUNWAY			APPROACH	THRESHOLD	RUNWAY			
			NR MAG	RWY		SWY	CWY	SLOPE	SURFACE	STRENGTH							
1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
MAFETENG/ Mafeteng	29°48'00"S 27°14'40" E		5350	15 33	792 x	-	-	-	GRAVEL	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION
MALEFLOANE/ Mafefoane	29°20'00"S 29°11'30" E		8300/ 2529	09 27	897 x 16	-	-	-	GRAVEL	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION
MANTŠONYANE/ Mantšonyane	29°32'40"S 28°16'20" E		7100/ 2164	17 35	518 x 15	-	-	-	GRAVEL	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION
MASERU/ Mejametlana	29°18'10"S 27°30'10" E 1.3 nm East of MASERU		5105/ 32.2°C	04 22 11 29	1381 x 30 470 x 30	-	-	-	GRAVEL	LCN 15	-	-	-	ABN OBS LDI WDI TWY	FUEL AVGAS 100/130 , JET A1 WATER POWER SEPTIC TANK	HO	LESOTHO DEFENCE FORCE TWR FREQ: 118.9MHZ CALSIGN: BIRD'S NEST CAUTION: 4 FLOODLIGHT MASTS AROUND SOCCER STADIUM. APRX 120M SE THR RWY 04. HGT 1618M AMSL.

AERODROME DIRECTORY - LAND																
CITY/ Aerodrome	COORDINATES		ELEV FT/M	LANDING AREA						LIGHTING				AERODROME OPERATING HOURS	AUTHORITY SUPERVISING THE AERODROME AND REMARKS	
	LOCATION			RWY	DIMENSIONS (m)			RUNWAY		APPROACH	THRESHOLD	RUNWAY	OTHER			
					RWY	SWY	CWY	SLOPE	SURFACE							STRENGTH
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
BOBETE/ Bobete	29°25'30"S 28°40'10" E	7100/ 2164	17 35	550 x 15	-	-	-	GRASS	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION
KATSE/ Katse	29°21'40"S 28°31'35" E	7000/ 2133	18 36	1000 x 18	200	-	-	GRAVEL	-	-	-	-	-	NIL	HJ	LHDA
KOLBERG/ Kolberg	29°22'40"S 28°29'30" E	7000	04 22	577 x	-	-	-	GRAVEL	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION
KUEBUNYANE/ Kuebunyane	29°52'50"S 28°21'50" E	7495/ 2284	08 26	586 x 16	-	-	-	GRAVEL	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION
LEBAKENG/ Lebakeng	29°53'30"S 28°29'20" E	6000/ 1828	11 29	550 x 15	-	-	-	GRASS	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION
LERIBE/ Leribe	29°51'20"S 28°03'10" E	5350 31.8°C	02 20	1560 x	-	-	-	GRASS	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION
LESOBENG/ Lesobeng	29°46'20"S 28°22'50" E	7130/ 2173	02 20	550 x 15	-	-	-	GRAVEL	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION
LETSENG/ Letšeng	29°00'30"S 28°51'20" E	10400	10 28	1153 x	-	-	-	GRAVEL	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION

AERODROME DIRECTORY - LAND																
CITY/ Aerodrome	COORDINATES		ELEV FT/M	LANDING AREA						LIGHTING				AERODROME OPERATING HOURS	GROUND SERVICES	AUTHORITY SUPERVISING THE AERODROME AND REMARKS
	LOCATION	RWY		DIMENSIONS (m)			RUNWAY			APPROACH	THRESHOLD	RUNWAY	OTHER			
				RWY	NR MAG	T CEN	RWY	SWY	CWY							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
MASERU/ Moshoeshoe 1	SEE AGA 2-1 to AGA 2-5															
MASHAI STORE/ Mashai Store	29°40'40"S 28°48'30" E	6400/	<u>11</u> 29	897 x 16	-	-	-	GRAVEL	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION
MATEBENG STORE/ Matebeng Store	29°46'50"S 28°46'40" E	6300/	<u>12</u> 30	518 x 15	-	-	-	GRAVEL	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION
MATEBENG VILLAGE/ Matebeng Village	29°48'50"S 28°48'30" E	6250/ 1904	<u>07</u> 25	550 x 15	-	-	-	GRAVEL/ GRASS	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION
MATEKANE/ Matekane	29°56'00"S 27°51'00" E	7630/ 2325	<u>07</u> 25	579 x 15	-	-	-	GRAVEL/ GRASS	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION
MATSAILE/ Matsalle	29°50'20"S 28°46'40" E	6200/ 1889	<u>06</u> 24	550 x 15	-	-	-	GRAVEL/ GRASS	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION

AERODROME DIRECTORY - LAND																
CITY/ Aerodrome	COORDINATES LOCATION	ELEV FT/M	LANDING AREA						LIGHTING				AERODROME OPERATING HOURS	AUTHORITY SUPERVISING THE AERODROME AND REMARKS		
			RWY	DIMENSIONS (m)		RUNWAY		APPROACH	THRESHOLD	RUNWAY	OTHER					
				RWY	NR MAG	RWY	SLOPE CWY					SURFACE			STRENGTH	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
METHALANENG/ Methalaneng	29°42'00"S 28°18'00" E	7200/ <del>2194</del>	17 35	550 x 15	-	-	-	GRAVEL/ GRASS	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION
MOHALE'S HOEK/ Mohale's Hoek	30°08'40"S 27°28'20" E	5150/ *	10 28	614 x	-	-	-	BITUMEN  GRASS	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION
MOHLANAPENG/ Mohlapaneng	29°35'00"S 28°40'40" E	7300/ *	16 34	549 x	-	-	-	GRAVEL  GRASS	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION
MOKHOTLONG/ Mokhotlong	29°16'40"S 29°04'20" E	7200/ <del>2194</del> 27.9°C	04 22	700 x 18	-	-	-	GRAVEL  BITUMEN  GRAVEL/ GRASS	-	-	-	-	-	Water Power Septic tank	HJ	DEPT OF CIVIL AVIATION International Departures - Immigration and Customs available on request.

AERODROME DIRECTORY - LAND																	
CITY/ Aerodrome	COORDINATES		ELEV FT/M	LANDING AREA						LIGHTING				GROUND SERVICES	AERODROME OPERATING HOURS	AUTHORITY SUPERVISING THE AERODROME AND REMARKS	
	LOCATION			RWY	DIMENSIONS (m)			RUNWAY			APPROACH	THRESHOLD	RUNWAY				OTHER
	T	CEN	NR		MAG	RWY	SWY	CWY	SLOPE	SURFACE				STRENGTH	10	11	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
NKAU/ Nkau	30°01'20"S 28°11'50" E	5627/ 1676	09 27	690 x 16	-	-	-	GRAVEL/ GRASS	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION	
NOHANA/ Nohana	30°04'00"S 27°52'00" E	5500/ 1676	09 27	550 x 15	-	-	-	GRAVEL/ GRASS	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION	
PELANENG/ Pelaneng	29°05'10"S 28°29'50" E	7200/ 2194	13 31	583 x	-	-	-	GRAVEL	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION	
QACHA'S NEK/ Qacha's Nek	30°06'40"S 28°40'20" E 3 km west of town.	6100/ 30.2°C	14 32	750 x 18	-	-	-	BITUMEN	-	-	-	-	-	Water Power Septic tank	HJ	DEPT OF CIVIL AVIATION  International Departures - Immigration and Customs available on request.	
QUTHING/ Quthing	30°24'30"S 27°41'40" E	5350/ 2194	14 32	647 x	-	-	-	GRAVEL	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION	
SEHLABATHEBE/ Sehlabathebe	29°55'00"S 29°02'30" E	7200/ 2194	12 30	844 x 18	-	-	-	GRAVEL	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION	

AERODROME DIRECTORY - LAND																	
CITY/ Aerodrome	COORDINATES		ELEV FT/M	LANDING AREA						LIGHTING				GROUND SERVICES	AERODROME OPERATING HOURS	AUTHORITY SUPERVISING THE AERODROME AND REMARKS	
	LOCATION			RWY	DIMENSIONS (m)			RUNWAY			APPROACH	THRESHOLD	RUNWAY				OTHER
	T	CEN			RWY	NR MAG	SWY	CWY	SLOPE	SURFACE							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
SEHONGHONG/ Sehonghong	29°43'50"S 28°46'10" E	6500/ 1981	04 22	1041 x 18	-	-	-	GRAVEL	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION	
SEKAKE/ Sekake	30°02'20"S 28°22'10" E	5700/	15 33	660 x	-	-	-	GRAVEL	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION	
SEMENANYANE/ Semenanyane	29°20'00"S 28°41'00" E	7750/ 2352	18 36	550 x 15	-	-	-	GRAVEL	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION	
SEMONKONG/ Semonkong	29°50'20"S 28°03'30" E	7200/ 2194 27.2°C	08 26	800 x 18	-	-	-	ASPHALT	-	-	-	-	-	WATER SEPTIC TANK	HJ	DEPT OF CIVIL AVIATION	
SESHOTE/ Seshote	29°16'00"S 28°33'00" E	7000/	06 24	700 x	-	-	-	GRAVEL	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION	
ST. THERESA/ St. Theresa	29°36'40"S 28°47'40" E	6800/	08 26	557 x	-	-	-	GRASS	-	-	-	-	-	NIL	HJ	DEPT OF CIVIL AVIATION	

AERODROME DIRECTORY - LAND															
CITY/ Aerodrome	COORDINATES		ELEV FT/M	LANDING AREA				LIGHTING				GROUND SERVICES	AERODROME OPERATING HOURS	AUTHORITY SUPERVISING THE AERODROME AND REMARKS	
	LOCATION			RWY	DIMENSIONS (m)		RUNWAY		THRESHOLD	RUNWAY	OTHER				
	T	CEN			RWY	NR	MAG	SWY							CWY
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	17
TEBELLONG/ Tebellong	30°03'00"S 28°27'40" E	5600/ 1706	12 30	600 x 15	-	-	-	RED GRAVEL/ GRASS	-	-	-	-	-	NIL	HJ DEPT OF CIVIL AVIATION
THABA-TSEKA/ Thaba-Tseka	29°31'20"S 28°37'00" E	7300/ 2224	05 23	675 x 16	-	-	-	GRAVEL	-	-	-	-	-	NIL	DEPT OF CIVIL AVIATION
TLOKOENG/ Tlokoeng	29°14'00"S 28°52'30" E	7000/ 2130	14 32	600 x 15	-	-	-	GRAVEL	-	-	-	-	-	NIL	DEPT OF CIVIL AVIATION

AERONAUTICAL GROUND LIGHTS

NAME	TYPE	CHARACTERISTICS/ CODE	HOURS	CANDELAS 1000	COORDINATES
1	2	3	4	5	6
MASERU/ Moshoeshoe 1 International	ABN	Altn Flg WG ev 4 sec	DRG IMC & NGT - WI HOD	W 2000 G 2000	29°27'26"S 027°33'31"E on top of control tower building



COMMUNICATION (COM)INTRODUCTIONRESPONSIBLE AUTHORITY

The authority responsible for Aeronautical Telecommunications in the Kingdom of Lesotho is the Director of Civil Aviation. The postal and telegraphic addresses are provided in section GEN 1.

AREA OF RESPONSIBILITY

Arrangements for Aeronautical Telecommunications services in the Kingdom of Lesotho should be made with the Director of Civil Aviation. The application of the regulations concerning the design, type and installation of the aircraft radio stations, is jointly shared by the Lesotho Telecommunications Authority (LTA) and the Director of Civil Aviation.

The responsibility for the day-to-day operation of the Aeronautical Telecommunications services lies with the Director of Civil Aviation.

Enquiries, suggestions or complaints, regarding any Aeronautical Telecommunication service should be referred to the Director of Civil Aviation.

TYPE OF SERVICERadio Navigation Service

The following types of radio aids to navigation are available:

LF/MF Non-Directional Radio Beacons	(NDB)
VHF Omni-directional Radio Range	(VOR)
Distance Measuring Equipment	(DME)
Instrument Landing System	(ILS)

Mobile Service

Maseru/Moshoeshoe 1 airport maintains continuous watch on its allotted frequencies, during the notified hours of service, unless otherwise stated.

Facilities for Aerodrome and Approach Control are available only at Maseru/Moshoeshoe 1 Airport. All other airfields listed have either no communications or communication on a limited basis as shown in COM 2- and only provide Aerodrome Flight Information Service.

Aeronautical Fixed Service (AFS)

Messages to be transmitted over the Aeronautical Fixed Service are accepted only if:

- a) they satisfy the requirements of the relevant paragraphs of Annex 10 Vol 2 - Aeronautical Telecommunications.
- b) Messages are prepared in the form specified in Annex 10.
- c) its text does not exceed 200 groups\*.
- d) Messages are addressed to a station forming part of the Aeronautical Fixed Telecommunication Network (AFTN).

\*Note: If the text does exceed 200 groups the message will be required to be broken down into separate messages, each text not exceeding 200 groups.

#### Origination of Messages

Messages will only be accepted if written in block capitals or typed on the relevant message form issued by the Kingdom of Lesotho. Should the originator of the message require a copy, then two copies should be submitted, one of which will be returned duly annotated with the date/time handed in.

Language used: English

NOTE: No arrangements exist for Special Navigation System and broadcast of time signals at the moment.

#### REQUIREMENTS AND CONDITIONS

Requirements of the Communication Services and the general conditions under which they are available for international use, as well as the requirements for the carriage of radio equipment, are contained in the Air Navigation Regulations 1980.

#### APPLICABLE ICAO DOCUMENTS

ICAO Standards, Recommended Practices and Procedures contained in the following documents are applied with the exceptions (differences) noted hereunder:

- Annex 10 Volumes- I, II, III & IV - Aeronautical Telecommunications
- Doc 8400 - ICAO Abbreviations and Codes
- Doc 8585 - Designators for Aircraft Operating Agencies, Aeronautical Authorities and Services
- Doc 7030 Part 2 - Regional Supplementary Procedures (COM Procedures for AFI)
- Doc 7910 - Location Indicators
- Doc 8071 Vol I - Manual on Testing of Radio Navigational Aids.

#### DIFFERENCES FROM ICAO STANDARDS, RECOMMENDED PRACTICES AND PROCEDURES

NIL

ALPHABETICAL LIST OF NAVIGATION AIDS  
BY IDENTIFICATION

ID	STATION	FREQUENCY OR CHANNEL	FACILITY
1	2	3	4
ILM	MASERU/Moshoeshoe 1	108.9 KHZ	ILS LLZ
'ME' (BEREA)	MASERU/Moshoeshoe 1	255 KHZ	NDB
'MU' (MASERU)	MASERU/Mejametalana	317 KHZ	NDB
'MZV' (MAZENOD)	MASERU/Moshoeshoe 1	117.2 MHZ 389.5 KHZ (CH 119X)	DVOR/ DME
-	MASERU/Moshoeshoe 1	75 KHZ	OUTER MARKER

## LOCATION INDICATORS

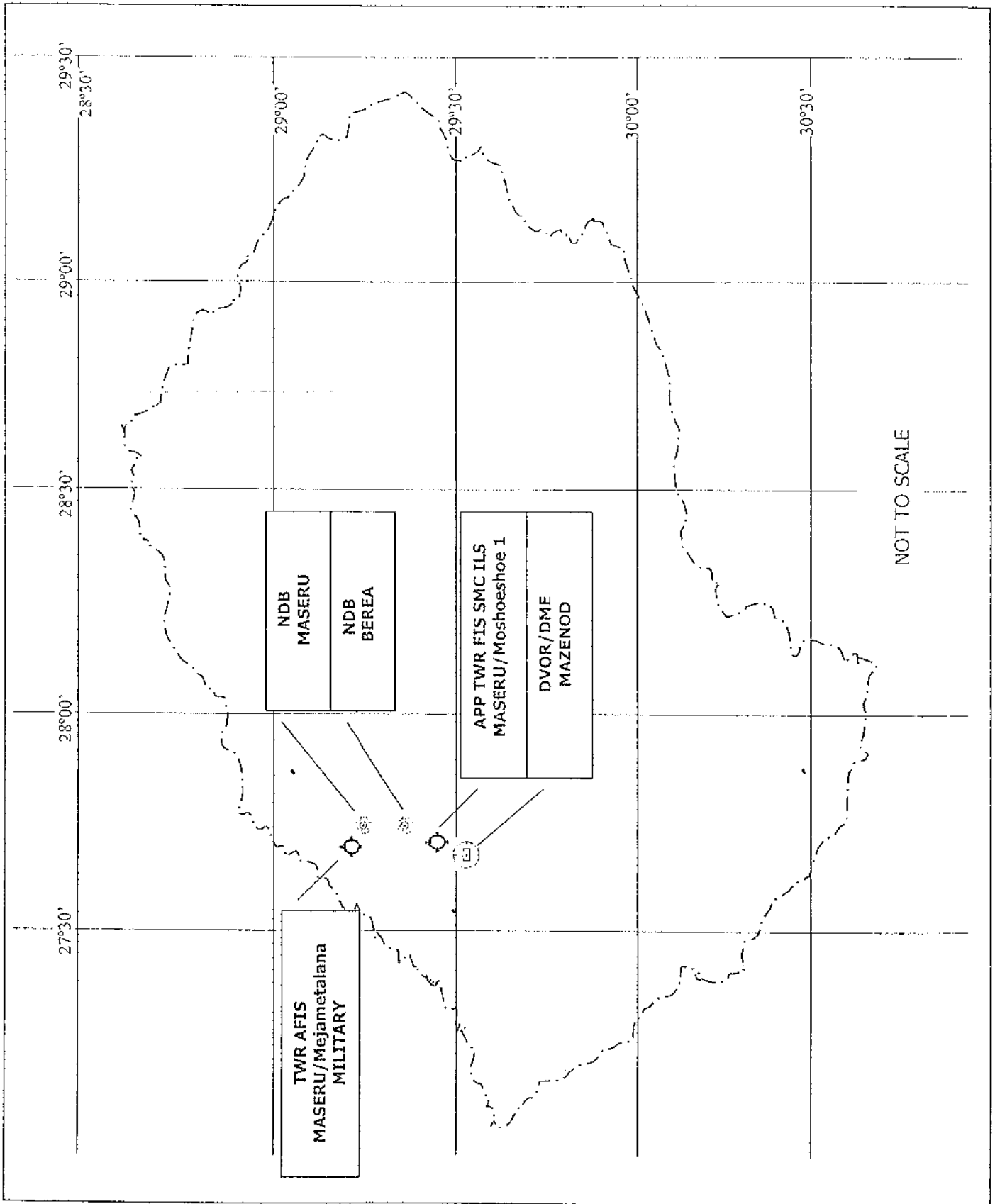
ENCODE					
Location	Indicator	Location	Indicator	Location	Indicator
BOBETE	FXBB*	MATEBENG STORE	FXMT*	ST. THERESA	FXST*
KATSE	FXKA*	MATEBENG VILLAGE	FXMV*	TEBELLONG	FXTB*
KOLBERG	FXKB*	'MATSAILÉ	FXMA*	THABA-TSEKA	FXTA*
KUEBUNYANE	FXKY*	MOHALE'S HOEK	FXMH*	TLOKOENG	FXTK*
LEBAKENG	FXLK*	MOHLANAPENG	FXMP*		
LERIBE	FXLR*	MOKHOTLONG	FXMK*		
LESOBENG	FXLS*	NKAU	FXNK*		
LETŠENG	FXLT*	NOHANA	FXNH*		
MAFETENG	FXMF*	PELANENG	FXPG*		
'MALEFILOANE	FXML*	QACHA'S NEK	FXQN*		
MANTŠONYANE	FXMN*	QUTHING	FXQG*		
MASERU/ Mejametalana	FXMU*	SEHLABATHEBE	FXSE*		
MASERU/ Moshoeshoe 1	FXMM	SEKAKE	FXSK*		
MASHAI STORE	FXMS*	SEHONGHONG	FXSH*		
		SEMONKONG	FXSM*		
		SESHOTE	FXSS*		

DECODE					
Indicator	Location	Indicator	Location	Indicator	Location
FXBB*	BOBETE	FXMP*	MOHLANAPENG	FXST*	ST. THERESA
FXKA*	KATSE	FXMS*	MASHAI STORE	FXTA*	THABA-TSEKA
FXKB*	KOLBERG	FXMT*	MATEBENG STORE	FXTB*	TEBELLONG
FXKY*	KUEBUNYANE	FXMU*	MASERU/ Mejametalana	FXTK*	TLOKOENG
FXLK*	LEBAKENG				
FXLR*	LERIBE	FXMV*	MATEBENG VILLAGE		
FXLS*	LESOBENG	FXNH*	NOHANA		
FXLT*	LETŠENG	FXNK*	NKAU		
FXMA*	'MATSAILÉ	FXPG*	PELANENG		
FXMF*	MAFETENG	FXQG*	QUTHING		
FXMH*	MOHALE'S HOEK	FXQN*	QACHA'S NEK		
FXMK*	MOKHOTLONG	FXSE*	SEHLABATHEBE		
FXML*	'MALEFILOANE	FXSH*	SEHONGHONG		
FXMM	MASERU/ Moshoeshoe 1	FXSK*	SEKAKE		
		FXSM*	SEMONKONG		
FXMN*	MANTŠONYANE	FXSS*	SESHOTE		

RADIO COMMUNICATION AND NAVIGATION FACILITIES												
STATION	SERVICE	Call sign OR IDENT	EM	TRANSMITS		RECEIVES		HOURS UTC	Co-ordinates	LOCATION		Remarks
				KHZ	MHZ	KHZ	MHZ			MAG	KM	
1	2	3	4	5	6	7	8	9	10	11	12	13
MASERU/ Moshoeshoe 1	TWR /FIS	Maseru Tower	A3 A3J	- 5680 4058	118.5 -	- 5680 4058	118.5 -	0500-1600 0500-1600	29°27'26"S 027°33'31"E	196°	1.6	FROM ARP
	APP	Maseru Approach	A3 A3	- -	120.7 121.5*	- -	120.7 121.5*	0500-1600 0500-1600	29°27'26"S 027°33'31"E	196°	1.6	FROM ARP *Emerg.
	SMC	Maseru Ground	A3	-	121.7	-	121.7	0500-1600	29°27'26"S 027°33'31"E	196°	1.6	FROM ARP
NDB	ME (Berea)	A0 A2	255	-	-	-	-	H24	29°25'12"S 027°33'57"E	037°	2.5	FROM THR 22 Pwr 50W Cov. 100km
NDB	MU (Meja- Metalana)	A0 A2	317	-	-	-	-	H24	29°18'10"S 027°30'20"E	002°	16.3	FROM THR 22 Pwr 50W Cov. 100km
DVOR /DME	MZV (Mazenod)	F9 P9	117.2 CH119X	-	-	-	-	H24	29°30'02"S 027°32'26"E	216° 215°	3.8 6.8 6.6	FROM THR 04 FROM THR 22 FROM ARP

RADIO COMMUNICATION AND NAVIGATION FACILITIES												
STATION	SERVICE	Call sign OR IDENT	EM	TRANSMITS		RECEIVES		HOURS UTC	Co-ordinates	LOCATION		Remarks
				KHZ	MHZ	KHZ	MHZ			MAG	KM	
1	2	3	4	5	6	7	8	9	10	11	12	13
MASERU/ Moshoeshoe 1 (cont)	ILS LLZ	ILM	A2/ A9B	-	108.9	-	-	H24	29° 28' 23" S 027° 32' 57" E	216° 216°	3.6 0.6	FROM THR 22 FROM THR 04
	ILS GP	.	A9B	329.3	-	-	-	H24	29° 26' 37" S 027° 33' 27" E	229°	0.28	FROM THR 22
	OUTER MARKER		A0 A2	-	75	-	-	H24	29° 20' 35" S 027° 35' 23" E	036°	11.3	FROM THR 22
	MIDDLE MARKER		2.6 A2	-	75	-	-	H24	29° 26' 23" S 027° 33' 31" E	016°	0.22	FROM THR 22 Pwr 300MW
MASERU/ Mejametlana	AFIS	Bird's Nest Tower	A3	-	118.9	-	118.9	HO	*29° 18' 11" S 027° 30' 11" E	-	-	MILITARY AERODROME (*NON-WGS84)

RADIO FACILITY INDEX

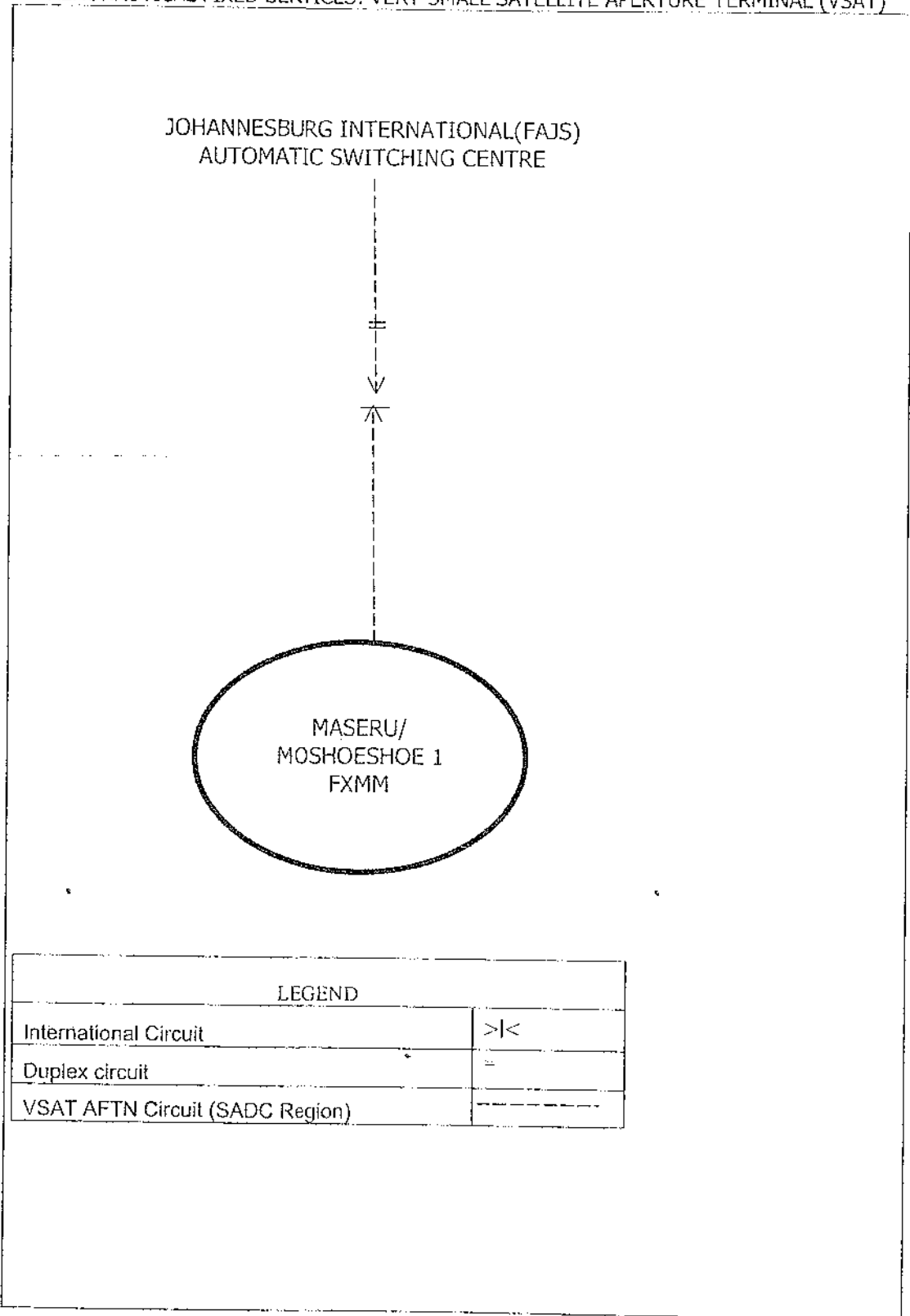


AERONAUTICAL FIXED SERVICES - INTERNATIONAL AND NATIONAL CIRCUITS										
STATION		CORRESPONDENT		NUMBER AND TYPE OF CHANNEL	RADIO FREQUENCIES			TYPE OF TRAFFIC	HRS (UTC)	Remarks
Name	Location Indicator	Name	Call Sign		TRANSMIT KHZ	RECEIVE KHZ				
1	2	3	4	5	6	7	8	9	10	11
MASERU TWR	FXMM		Johannesburg		VSAT DS			ATS	0500-1600	Direct speech
MASERU	FXMM		Johannesburg		VSATdx			AFTN	H24	
	FXMM		Pretoria		DATALINE			MET	H24	

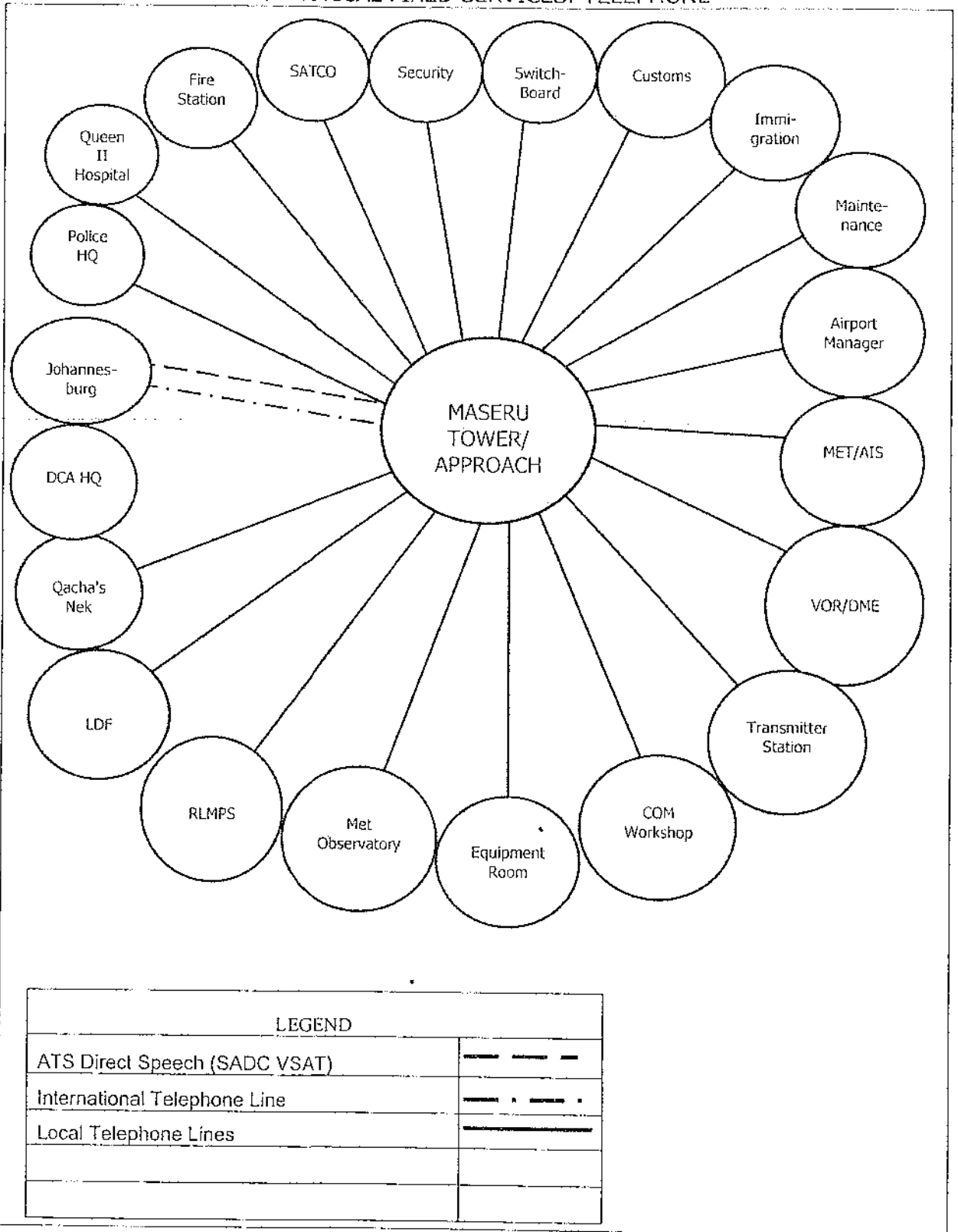
\*For Local circuits connecting different offices, see diagrams COM 5-2 and COM 5-3



AERONAUTICAL FIXED SERVICES: VERY-SMALL SATELLITE APERTURE TERMINAL (VSAT)



AERONAUTICAL FIXED SERVICES: TELEPHONE



METEOROLOGY  
METEOROLOGICAL SERVICE FOR INTERNATIONAL AIR NAVIGATION

METEOROLOGICAL AUTHORITY

The Meteorological Service in the Kingdom of Lesotho is provided by the Lesotho Meteorological Services, Department of Water Affairs, Ministry of Water, Energy and Mining.

Postal Address: Department of Water Affairs  
Lesotho Meteorological Services,  
P.O. Box 772  
Maseru - 100  
Lesotho

Telegraphic Address: HYDROMET - MASERU  
Telephone : 09266 – 22 324425, 22 350325  
Telex : 4479 METOFF LO.

AREA OF RESPONSIBILITY

Area meteorological watch is provided for the territory of Lesotho by Bloemfontein Meteorological Office.

TYPE OF SERVICE PROVIDED

Personal briefing and consultation for flight crew members is provided only at Maseru/Moshoeshoe 1 International Airport. For all other aerodromes, hourly weather reports are given to the Aerodrome Flight Information Service (AFIS).

NOTIFICATION REQUIRED FROM OPERATORS.

Notification from operator in respect of briefing, consultation, flight documentation and other meteorological information needed by them is normally required at least three (3) hours before the expected time of departure.

OBSERVING SYSTEMS AND OPERATING PROCEDURES

Surface wind is measured by the cup anemometers located at a lateral distance of 258m from the runway centreline.

Runway 04 anemometer is at a distance of 2684m and runway 22 anemometer is at a distance of 338m from the aerodrome reference point (ARP). Anemometer on top of the control tower is at a distance of 1511m from the aerodrome reference point (ARP).

Wind indicators are located in the meteorological office and in the control tower.

Cloud heights are estimated by Met observers at different airport but at Maseru/Moshoeshoe I International Airport, Met observers use heights of nearby mountains and topographical features for cloud height estimation.

Air Temperature is measured by dry bulb thermometers located in the conditions normally representative of the temperature over the surface of the runways.

Met visibility observation are made using a visibility map of surrounding terrain.

#### AIRCRAFT REPORTS REQUIRED FROM OPERATORS

AIREP is not required. There are no ATS/MET reporting points in respect to routes crossing the territory of Lesotho.

#### APPLICABLE ICAO DOCUMENTS

ICAO Standards, Recommended Practices and Procedures contained in the following documents are applied, with the exceptions (Differences) noted hereunder:

Annex 3 -Meteorological Service for International Air Navigation  
Doc 7030 (AFI) - Regional Supplementary Procedures

#### DIFFERENCES FROM ICAO STANDARDS, RECOMMENDED PRACTICES AND PROCEDURES

##### Annex 3

<u>Reference</u>	<u>Difference</u>
6.3.9.	Visibility criteria are as follows: When the visibility is expected to change or pass any one of the values 5000m, 8km and 10km-----
6.3.11	Cloud base criteria are as follows: When the height of cloud base covering more than 4 Octas is expected to change or pass any one of the values 2000ft, 3000ft and 4000ft.

ABBREVIATIONS APPLICABLE TO MET ONLY

ASI	Altimeter setting indicator
C	Charts
CONT	Continuous
CR	Cross section
D	Self-briefing display
EN	English
h	Half-hourly observations
H	Hourly observations
P	Briefing Officer
PL	Plain language
RVR	Runway visual range
S	Special weather reports
SC	Self-contained
SIG	SIGMET information
SVR	Slant visual range
T	Telephone
TB	Tabular
TR	Trend
TV	Closed-circuit television
VWS	Vertical wind shear
VWR	Weather radar

METEOROLOGICAL CHARTS

S	Surface synoptic chart
U	Upper air analysis
P	Prognostic upper air chart
W	Significant weather chart
T	Tropopause chart.

AERODROME METEOROLOGICAL OBSERVATIONS AND REPORTS									
AERODROME AND LOCATION INDICATOR	OBSERVATIONS				HOURS OF OPERATION (UTC)	REPORTS	SUPPLEMENTARY INFORMATION	OBSERVATION SYSTEM AND SITE	
	H	h	§	§					
1	2	3	4	5	6	7	8		
MASERU/ Moshoeshoe 1 FXMM	X		X	0500 - 1600	METAR and SPECI	TR	Anemometers lateral to runway centre line and on top of the control tower.		
MOKHOTLONG/ Mokhotlong FXMK	X			0600 - 1500	METAR		Anemometer on top of the control tower.		
QACHA'S NEK/ Qacha's Nek FXQN	X			0600 - 1500	METAR		Anemometer on top of the control tower.		

AERODROME METEOROLOGICAL OBSERVATIONS AND REPORTS											
AERODROME (ASSOCIATED MET OFFICE)	HOURS	AERODROME FORECASTS			LANDING FORECASTS	BRIEFING	FLIGHT DOCUMENTATION AND LANGUAGE (S) USED	TYPE OF CHARTS	EQPT USED	FIC/ACC/ RCC SERVED	TEL NR(S) & OTHER INFO
		Office responsible for preparation	Period of validity (hours, days & months)	Short range (hours): 2,6,9,12, 15,24							
MASERU/ Moshoeshoe 1	0500 - 1600	Lesotho Meteorological Services (LMS) <a href="http://www.fesmet.org.ls">www.fesmet.org.ls</a>	4	5	D P T	PL C TB EN	S U P	FAX	Maseru APP & RSC	(+266) 22350325 & 22350777 EXT 117	