AD 2 AERODROMES

LPAZ AD 2.

LPAZ AD 2.1 AERODROME LOCATION INDICATOR AND NAME

LPAZ - SANTA MARIA

LPAZ AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site	LAT: 365826N LONG. 0251016W Intersection Runway 18/36 with Taxiway C
2	Direction and distance of ARP from city or town	5KM (2.7NM) BRG 328º GEO from City Hall in Vila do Porto
3	Elevation/Reference temperature	94 M / 308 FT 23º C (AUG)
4	Geoid undulation at aerodrome elevation position	54M
5	MAG VAR/Annual change	7º W (2020) / 0.17º decreasing
6	AD Administration, address, telephone, telefax, telex, AFS	Post: ANA Aeroportos de Portugal, SA Aeroporto de Santa Maria Apartado 574 Ilha de Santa Maria – Açores 9580–908 VILA DO PORTO Phone: AD Administration: +351 296820020 AD Operations: +351 296820023 Fax: AD Administration: +351 296886170 AD Operations: +351 296886335 AFS: LPAZYDYA Email: santamaria.airport@ana.pt URL: http://www.ana.pt
7	Types of traffic permitted (IFR/VFR)	IFR / VFR
8	Remarks	NIL

LPAZ AD 2.3 OPERATIONAL HOURS

1	AD Operator	07:45-22:30 (06:45-21:30)
2	Customs and immigration	H24
3	Health and sanitation	On Request
4	AIS Briefing Office	AIS available through ARO Portugal (see GEN 3.1).
5	ATS Reporting Office (ARO)	ARO available through ARO Portugal (see GEN 3.1).
6	MET Briefing Office	H24
7	ATS	H24
8	Fuelling	09:00-21:00 (08:00-20:00) Fuel available 21:00-09:00 (20:00-08:00) on request with PPR of one hour, subject to a surcharge of US$100.
9	Handling	07:00-01:00 (06:00-24:00) (Outside these hours services available on request)
10	Security	H24
11	De-icing	Not available

12	Remarks	Aerodrome reopening after closing time for non-emergency flights or background assistance, must be dully justified and submitted to approval of AD Administration until 21:00 (20:00). Reopening RFF CAT 3 will be granted 1 hour after ATC request for Search and rescue and MEDEVAC movements. Reopening fees are applicable (see GEN 4.1.6 Other).

LPAZ AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo handling facilities:	Loader (6.5 tons) One Fork Lift (1.5 tons) One Fork Lift (5 tons) Sufficient number of various vehicles and equipment
2	Fuel/oil types	JET A1 BP Turbo Oil 2380, Aviation Oil 100 and Aeroshell Oil W100
3	Fuelling facilities/capacity	Hydrant System and Fuel Trucks. Delivery Rate: JET A1 – 75 litres per Second.
4	De-icing facilities	Not applicable
5	Hangar space available for visiting aircraft	HANGAR: 1500 Square Meters (50x30); Door 24Mx7.5M. Unheat Space.
6	Repair facilities for visiting aircraft	Minor repairs only
7	Remarks	Oxygen and related servicing: Not Available

LPAZ AD 2.5 PASSENGER FACILITIES

1	Hotels	3 Hotels - 350 beds
2	Restaurants	AD Restaurant: 200 meals per hour
3	Transportation	Buses, Taxis and 3 Rent-a-Car Stations
4	Medical facilities	First Aid Treatment, Rest Rooms, 1 Ambulance. Hospital in Vila do Porto [3KM (1.6NM) from Aerodrome].
5	Bank and Post Office	At Aerodrome. Operation Hours for Bank and Post Office: MON-FRI 09:30-17:00 (08:30-16:00)
6	Tourist Office	At Aerodrome. Operation Hours for Tourist Office: MON-FRI 09:30-17:00 (08:30-16:00)
7	Remarks	NIL

LPAZ AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Within AD HR: - CAT 6 CAT 7 to CAT 9 - Available by prior arrangements with Airport Director *
2	Rescue equipment	- In accordance with CAT 9 requirements established in the Table 5.2 of ICAO DOC.9137-AN/898 Part I. - KIT TIRFOR embarqued in fully equipped Crash Tender Vehicle. - RIB
3	Capability for removal of disabled aircraft	High stability pneumatic lifting bags, trailer and towing capability for B707
4	Remarks	* For this purpose contact Airport Operations. See table AD 2.2, Item 6

LPAZ AD 2.7 RUNWAY SURFACE CONDITION ASSESSEMENT AND REPORTING AND SNOW PLAN

1	Type(s) of clearing equipment	NIL
2	Clearance priorities	NIL
3	Use of material for movement area surface treatment	NIL
4	Specially prepared winter runways	NIL
4	Remarks	For further information, see also Section AD 1.2.2. - RUNWAY SURFACE CONDITIONS ASSESSMENT AND REPORTING AND SNOW PLAN.

LPAZ AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron Surface and Strength		**APRON**	**SURFACE**	**STRENGTH**	
			A - Stands 1 to 5	ASPH	PCN 69/F/A/X/T	
			A - Stand 6 and remaining area	ASPH	PCN 57/F/A/X/T	
2	Taxiway width, surface and strength		**TAXIWAY**	**WIDTH**	**SURFACE**	**STRENGTH**
			A	CLOSED		
			C	23M	ASPH	PCN 59/F/B/X/T
			D	23M	CONC	PCN 128/R/C/W/T
			E	23M	ASPH	PCN 53/F/B/X/T
3	Altimeter Checkpoint location and elevation		**LOCATION**		**ELEVATION**	
			THR 36		86M / 282FT	
			THR 18		86M / 283FT	
4	VOR Checkpoint locations		Not established			
5	INS Checkpoint positions	**RAMP / STAND**	**INS COORDINATES**	**ELEVATION (M/AMSL)**	**ACFT TYPE (CRITICAL)**	**PUSH BACK TO TWY / TAXILANE**
		1	365826.64N 0251000.66W	99.12M	L101	
		1A	365827.79N 0251000.90W	99.11M	DC10	
		2	365827.28N 0250958.66W	99.86M	B764	
		2A	365828.10N 0250958.83W	99.83M	B764	
		3	365823.17N 0251001.97W	98.34M	B744	
		3A	365822.01N 0251001.75W	98.20M	B744	
		4	365823.54N 0250959.00W	99.34M	A340	
		4A	365822.39N 0250958.81W	99.19M	B744	
		5	365823.26N 0250957.14W	99.92M	G159	
		5A	365823.13N 0250957.11W	99.89M	G159	
		6	365809.16N 0250957.01W	98.53M	EMERGENCY	
6	Remarks	NIL				

LPAZ AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system at aircraft stands	Taxiway guidelines at all Taxiways Apron guidelines Taxiing guidance signs at all intersections with TWY and RWY at all Holding Positions.
2	RWY/TWY markings and lights	Markings : Runway designation, Runway Centre line, Threshold, Touchdown Zone, Runway Edge and Runway End. Taxiway Centre Line, Holding Positions at all Taxiways and Runway intersections. Lights: Runway Edge, Runway End and Taxiway Edge
3	Stop bars	NIL
4	Remarks	Lights of unserviceable areas are not in accordance with Annex 14 (only 2 candelas of intensity light are provided).

LPAZ AD 2.10 AERODROME OBSTACLES

In Area 2					
Obst. ID Designation	**Obst. Type**	**Obst. Position**	**Elevation / HGT**	**Markings Type, Colour**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
LPAZ 01	ANTENNA	365831.8N 0250956.4W	133M / 33M	Lights: Fixed red Markings: Red / White Horizontal Stripes	
LPAZ 02	ANTENNA	365859.2N 0250526.3W	606M / 26M	Lights :Fixed red Markings: Red / White Horizontal Stripes	
LPAZ 03	ANTENNA	365859.0N 0250526.5W	606M / 26M	Lights: Fixed red Markings: Red / White Horizontal Stripes	
LPAZ 04	ANTENNA	365858.3N 0250527.4W	607M / 26M	Lights: Fixed red Markings: Red / White Horizontal Stripes	
LPAZ 05	ANTENNA	365858.0N 0250526.7W	601M / 28M	NIL	
LPAZ 06	ANTENNA	365740.7N 0250835.1W	175M / 41M	Lights: Fixed red Markings: Red / White Horizontal Stripes	
LPAZ 07	ANTENNA	365741.0N 0250834.8W	177M / 43M	Lights: Fixed red Markings: Red / White Horizontal Stripes	
LPAZ 08	TOWER	365846.0N 0250526.9W	603M /	Lights: Fixed Red Markings: Red / White Horizontal Stripes	
FIGUEIRAL	WINDMILL (1/3)	365656.7N 0250744.9W	221M / 60M	NIL	

FIGUEIRAL	WINDMILL (2/3)	365654.9N 0250751.6W	212M / 60M	NIL	
FIGUEIRAL	WINDMILL (3/3)	365652.8N 0250800.1W	204M / 60M	NIL	

In Area 3					
Obst. ID Designation	**Obst. Type**	**Obst. Position**	**Elevation / HGT**	**Markings Type, Colour**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**

LPAZ AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	SANTA MARIA AMS
2	Hours of service	H24
3	Office responsible for TAF preparation Periods of validity	CPVM-AERO MWO/AMO 30 HR - Issuance every 6 hours
4	Trend Forecast Interval of issuance	NIL
5	Briefing/consultation provided	Briefing on observed meteorological conditions: personal or by phone. Briefing on expected meteorological conditions: By phone provided by the CPVM-AERO MWO/AMO (see GEN 3.5.4).
6	Flight documentation Language(s) used	C, CR English, Portuguese
7	Charts and other information available for briefing or consultation	P, S, SWH, SWM, W
8	Supplementary equipment available for providing information	Self-briefing
9	ATS units provided with information	Santa Maria TWR, APP and ACC/OCA
10	Additional information (limitation of service, etc.)	SANTA MARIA AMS: Phone: +351 296 886 326 Email: lpaz@ipma.pt CPVM-AERO MWO/AMO: Phone: +351 218 474 583 Fax: +351 218 402 370 Email: met.aero@ipma.pt

LPAZ AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations	TRUE BRG	Dimensions of RWY (M)	Strength (PCN) and surface of RWY and SWY	THR COORD RWY End COORD THR Geoid Undulation	THR elevation and highest elevation of TDZ of precision APCH RWY	Slope of RWY/SWY
1	2	3	4	5	6	7
18	171.07	3048 X 60	PCN 100R/C/W/T CONC*	THR 365908.71N 0251024.23W RWY END 365730.84N 0251004.98W Geoid Undulation 54.2M	THR 86.1M TDZ 92.0M	-0.6%
36	351.07			THR 365730.84N 0251004.98W RWY END 365908.71N 0251024.23W Geoid Undulation 54M	THR 86M	0.6%

Designations	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	RESA	OFZ	Remarks
1	8	9	10	11	12	13
18	NIL	300Mx300M	3168x300	240Mx120M	NIL	* PCN Notes: Between 300M and 600M from the beginning of RWY36, PCN 87/R/C/W/T.
36		300Mx300M		240Mx120M	NIL	

LPAZ AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
18	3048	3348	3048	3048	NIL
36	3048	3348	3048	3048	

LPAZ AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH light Type / Length / Intensity	THR Light colour/WBAR	VASIS (MEHT) PAPI	TDZ length	RWY Centre Line Lights Length / spacing / colour/ Intensity	RWY edge Lights Length / spacing / colour/ Intensity	RWY End Lights Colour / WBAR	SWY Light Length / Colour	Remarks
1	2	3	4	5	6	7	8	9	10
18	Approach Lighting System (U.S. Standard SALS) 459M LIH	Green ——	PAPI Slope 2.75° Left Side MEHT 9M	NIL	NIL	3048M spacing 60M White Last 600M Yellow LIH	Red ——	NIL	NIL
36	Approach Lighting System (U.S. Standard SALS) 459M LIH	Green ——	PAPI Slope 2.75° Left Side MEHT 9M	NIL	NIL	3048M spacing 60M White Last 600M Yellow LIH	Red ——	NIL	NIL

LPAZ AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	NIL
2	LDI location and lighting Anemometer location and lighting	LDI: NIL Anemometer left side RWY 18 - 300M from THR, lighted. Anemometer right side RWY 36 - 300M from THR, lighted.
3	TWY edge and centre line lighting	Taxiway Edge lights at all taxiways, spaced 30M Taxiway Centre line lights - No centre line lights
4	Secondary power supply/switch-over time	Secondary Power Supply to all lighting at AD (in accordance with Annex 14) Switch over time:15 seconds.
5	Remarks	Emergency lights available.

LPAZ AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO	Not established
2	TLOF and/or FATO elevation	Not established
3	TLOF and FATO area dimensions, surface, strength, marking	Not established
4	True BRG of FATO	Not established
5	Declared distance available	Not established
6	APCH and FATO lighting	Not established
7	Remarks	NIL

LPAZ AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	SANTA MARIA CTR A circle with 5NM radius centred at ARP (365826N 0251016W)
2	Vertical limits	2000FT ALT (600M)
3	Airspace classification	C
4	ATS unit call sign / Language(s)	Ponta Delgada Approach Santa Maria Tower EN, PT
5	Transition altitude	4000FT
6	Remarks	NIL

LPAZ AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of Operation	Remarks
1	2	3	4	5
APP	PONTA DELGADA Approach	119.400 MHZ 121.500 MHZ	H24 H24	Primary Emergency
TWR	SANTA MARIA Tower	118.100 MHZ 119.100 MHZ 121.500 MHZ	H24 H24 H24	Primary Secondary Emergency

LPAZ AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type Category (Variation)	ID	Frequency	Hours of operation	Site of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
VOR/DME (07ºW-2020)	VSM	112.000 MHZ CH 57X	H24	365746.5N 0250959.0W	300FT	Coverage: 200NM FL500 Not usable: 065º/130º BYD 20NM BLW 6000FT
DVORTAC (09ºW-2020)	VFL	112.700 MHZ CH 74X	H24	383109.9N 0283724.8W	500FT	Coverage: 240NM - FL600 DVOR not usable: 010º/020º BYD 10NM BLW 10000FT 080º/140º BYD 15NM BLW 10000FT 280º/010º BYD 10NM BLW 10000FT DVOR not usable below 5000FT TACAN not usable: 010º/020º BYD 10NM BLW 10000FT 045º/080º BYD 30NM BLW 5000FT 080º/100º BYD 28NM BLW 5500FT 100º/140º BYD 15NM BLW 10000FT 140º/150º BYD 40NM BLW 3000FT 280º/010º BYD 10NM BLW 10000FT DME not usable: 110º/120º BYD 15NM BLW 5000FT 305º BYD 17NM BLW 5000FT

Type Category (Variation)	ID	Frequency	Hours of operation	Site of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
DVOR/DME (06ºW-2020)	VMG	111.200 MHZ CH 49X	H24	VOR: 375045.6N 0254529.3W DME: 375045.3N 0254528.7W	2800FT	Coverage: 150NM- FL500 **DVOR not usable:** 090º/120º BYD 30NM BLW 8000FT RDL062 BYD 40NM BLW 8000FT RDL094 excessive VOR needle fluctuations at 12-13NM and 19-24NM below 8000FT. **DME not usable:** 170º/190º BYD 40NM BLW 6000FT. DME false ranges and unlocks may occur beyond 92NM at 5500FT.
ILS RWY 18 (CAT I)						
LOC (07ºW-2020)	MA	110.300 MHZ	H24	365720.2N 0251002.9W		NIL
GP		335.000 MHZ	H24	365900.6N 0251017.6W		Slope 2.75 DEG HGT of ILS: 50FT.

LPAZ AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Limitations on use of aerodrome

NIL

2. Taxiing

Due to wingspan Taxiway D and Taxiway E can not be used by the below mentioned aircraft:

- Boeing 747 / 777
- Airbus A330 / A340
- Lockheed C5 (Galaxy)
- McDonnell-Douglas MD11
- Antonov 124 / 225

LPAZ AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

LPAZ AD 2.22 FLIGHT PROCEDURES

1. STANDARD INSTRUMENT DEPARTURES FROM SANTA MARIA AERODROME

STANDARD INSTRUMENT DEPARTURE (SID) DESCRIPTIONS: see back of SID charts.

2. STANDARD INSTRUMENT ARRIVAL TO SANTA MARIA AERODROME

GENERAL REMARKS:

Above Minimum Flight Altitude non-standard Instrument Arrival Routes and procedures may be assigned by ATC.

Depending on Traffic conditions, ATC may clear RNAV certified flights for a Straight-in ILS approach (IAF VSM RDL 359/15NM DME) - see page LPAZ AD 2.24.12-1. Flights so cleared shall proceed direct to the IAF above, and if necessary for the purposes of DOC. 8168, chapter 4, paragraph 4.4.1, the IAF associated holding pattern shall be flown as per DOC. 8168, chapter 1, paragraph 1.3.8. Pilots must ensure no MSA's are infringed, and, when ready for the approach, shall cross the IAF at the altitude appropriate for the procedure.

RADIO COMMUNICATIONS FAILURE:

1. In the event of RCF, aircraft shall proceed to VSM Holding (North or South) according to Runway in use, at last assigned level.

2. At ETA according to current flight plan, start descent to initial approach altitude to carry out a standard IFR approach, according to IAC.

STANDARD INSTRUMENT ARRIVAL (STAR) DESCRIPTIONS: see back of STAR charts.

3. HOLDING PROCEDURES

HLDG ID/FIX/WPT Coordinates	INBD TR (MAG)	Direction of PTN	MAX IAS (KT)	MNM-MAX HLDG LVL FL/FT (MSL)	TIME (MIN) or DIST OUBD
GIRIX GIRIX 371234N0251311W RDL357-DME15 VSM VOR/DME	177°	RIGHT	230	3500 FT ALT FL 140	5 NM
SANTA MARIA/VSM SANTA MARIA VOR/DME 365746N0250959W	202°	RIGHT	230	3500 FT ALT FL 140	1 MIN
SANTA MARIA/VSM SANTA MARIA VOR/DME 365746N0250959W	334°	LEFT	230	3500 FT ALT FL 140	1 MIN
SANTA MARIA/VSM SANTA MARIA VOR/DME 365746N0250959W	334°	LEFT	280	FL 150 FL 999	1.5 MIN
URATU URATU 364146N0250914W RDL185-DME16 VSM VOR/DME	005°	RIGHT	230	3500 FT ALT FL 140	5 NM

LPAZ AD 2.23 ADDITIONAL INFORMATION

On taxiing expect seasonal bird activity at the Ramp (March to June and September to November).

LPAZ AD 2.24 CHARTS RELATED TO THE AERODROME

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