



REPUBLIC OF CABO VERDE

AERONAUTICAL INFORMATION SERVICE
AMILCAR CABRAL INTERNATIONAL AIRPORT
SAL ISLAND – CABO VERDE



AIP AMDT 2/2024

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Publication: **25 JAN 2024**
Effective from: **22 FEB 2024**

This AIRAC AMDT contains:

- GEN 0.4
- GEN 2.4 templates reinsertion and ENR 3.x subsections update
- GEN 2.5 templates reinsertion and ENR 3.x subsections update
- ENR 0.1 templates reinsertion and ENR 3.x subsections update
- ENR 2.1 templates reinsertion and ENR 3.x subsections update
- ENR 3.1 templates reinsertion and ENR 3.x subsections update
- ENR 3.2 templates reinsertion and ENR 3.x subsections update
- ENR 3.3 templates reinsertion and ENR 3.x subsections update
- ENR 3.4 templates reinsertion and ENR 3.x subsections update
- ENR 4.1 templates reinsertion and ENR 3.x subsections update
- ENR 4.4 templates reinsertion and ENR 3.x subsections update
- ENR 5.4 templates reinsertion and ENR 3.x subsections update
- AD 1.3 templates reinsertion and ENR 3.x subsections update

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2. Hand amendments

NIL

3. Record entry of AIRAC AMDT on the page GEN 0.2-1.

4. The following publications have been incorporated in this AIRAC AMDT:

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AIC	NIL
NOTAM	NIL

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AD 2-16	30 NOV 2023	AD 2-16	19 MAY 2022
AD 2-17	30 NOV 2023	AD 2-17	16 JUN 2022
AD 2-18	30 NOV 2023	AD 2-18	19 MAY 2022
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AD 2-39	30 NOV 2023		
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FOGO ISLAND / SAO FILIPE			
AD 2-1	30 NOV 2023		
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SAO NICOLAU ISLAND / PREGUICA			
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GEN 2.4 LOCATION INDICATORS

The location indicators marked with an asterisk (*) cannot be used in the address component of AFS messages.

1. ENCODE	
<i>Location</i>	<i>Indicator</i>
FOGO ISLAND / SAO FILIPE	GVSF*
MAIO ISLAND / MAIO	GVMA*
PRAIA / NELSON MANDELA	GVNP*
RABIL / ARISTIDES PEREIRA	GVBA
SAL ISLAND / AMILCAR CABRAL	GVAC
SAL OCEANIC FIR	GVSC
SAL OCEANIC UIR	GVSC
SAO NICOLAU ISLAND / PREGUICA	GVSN*
SAO PEDRO / CESARIA EVORA	GVSV

2. DECODE	
<i>Indicator</i>	<i>Location</i>
GVAC	SAL ISLAND / AMILCAR CABRAL
GVBA	RABIL / ARISTIDES PEREIRA
GVMA*	MAIO ISLAND / MAIO
GVNP*	PRAIA / NELSON MANDELA
GVSC	SAL OCEANIC FIR
GVSC	SAL OCEANIC UIR
GVSF*	FOGO ISLAND / SAO FILIPE
GVSN*	SAO NICOLAU ISLAND / PREGUICA
GVSV	SAO PEDRO / CESARIA EVORA

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GEN 2.5 LIST OF RADIO NAVIGATION AIDS

<i>ID</i>	<i>Station name</i>	<i>Aid</i>	<i>Purpose</i>
BVT	BOA VISTA / RABIL	NDB	AE
CVS	SAL / AMILCAR CABRAL	VOR/DME	AE
NCL	SAO NICOLAU	L	AE
PRA	PRAIA	NDB	AE
SL	SAL ILS	ILS	A
SNT	PRAIA	VOR/DME	AE
SP	SAO VICENTE LLZ	LOC	A
SVT	SAO VICENTE	NDB	E

<i>Station name</i>	<i>Aid</i>	<i>ID</i>	<i>Purpose</i>
BOA VISTA / RABIL	NDB	BVT	AE
PRAIA	NDB	PRA	AE
PRAIA	VOR/DME	SNT	AE
SAL / AMILCAR CABRAL	VOR/DME	CVS	AE
SAL ILS	ILS	SL	A
SAO NICOLAU	L	NCL	AE
SAO VICENTE	NDB	SVT	E
SAO VICENTE LLZ	LOC	SP	A

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ENR 2. AIR TRAFFIC SERVICES AIRSPACE

ENR 2.1 FIR, UIR, TMA AND CTA

<i>Name Lateral Limits Vertical Limits Airspace Class</i>	<i>Unit providing service</i>	<i>Call Sign Languages Area and conditions of use Hours of service</i>	<i>Frequency SATVOICE number Purpose</i>	<i>Remarks</i>
1	2	3	4	5
SAL OCEANIC FIR 240000N 0250000W - 200000N 0200000W - 150000N 0200000W - 125800N 0212200W - 134000N 0242100W - 170000N 0373000W - 240000N 0250000W Upper limit: FL 245 Lower limit: MSL Class: G	AMILCAR CABRAL FIC			
	SAL ACC	SAL CONTROL eng, por 00:00-23:59	121.500 MHZ Emergency	
			126.400 MHZ	
			127.100 MHZ	
			128.300 MHZ	
	SAL RADIO	SAL RADIO eng, por 00:00-23:59	2854 KHZ	
			3452 KHZ	
			5565 KHZ	
			6535 KHZ	
			8661 KHZ	
11291 KHZ				
SAL OCEANIC UIR 240000N 0250000W - 200000N 0200000W - 150000N 0200000W - 125800N 0212200W - 134000N 0242100W - 170000N 0373000W - 240000N 0250000W Upper limit: UNL Lower limit: FL 245 Class: A	AMILCAR CABRAL FIC			
	SAL ACC	SAL CONTROL eng, por 00:00-23:59	121.500 MHZ Emergency	
			126.400 MHZ	
			127.100 MHZ	
			128.300 MHZ	
	SAL RADIO	SAL RADIO eng, por 00:00-23:59	2854 KHZ	
			3452 KHZ	
			5565 KHZ	
			6535 KHZ	
			8661 KHZ	
11291 KHZ				
SAL TMA Upper limit: FL 245 Lower limit: FL 195 Class: A Upper limit: FL 195 Lower limit: 700 FT AMSL Class: C	SAL ACC	SAL CONTROL eng, por 00:00-23:59	121.500 MHZ Emergency	
			126.400 MHZ	
			127.100 MHZ	
			128.300 MHZ	

2.1.1. Strategic Lateral Offsets in Oceanic Airspace to mitigate Collision Risk and Wake Turbulence

This procedure is in force throughout the Ministerio da Saude e Seguranca Social / UIR and is based on the following guidelines:

2.1.1.1 Strategic lateral offsets shall be applied only by aircraft with automatic offset tracking capability.

2.1.1.2 Strategic lateral offset and those executed to mitigate the effects of wake turbulence are to be made to the right of a route or track.

2.1.1.3 In relation to a route or track, there are three positions that an aircraft may fly, namely **centreline**, **1** or **2 NM** right and offsets are not to exceed 2 NM right of the centreline.

2.1.1.4 There is no ATC clearance required for this procedure and it is not necessary that ATC be advised.

2.1.2. Special Procedures for In - Flight Contingencies within Sal Oceanic airspace

2.1.2.1 Introduction

2.1.2.1.1 Although all possible contingencies cannot be covered, the procedures in **2.1.2.2** and **2.1.2.3** provide for more frequent cases such as:

- a) inability to maintain assigned flight level due to meteorological conditions, aircraft performance or pressurisation failure;
- b) en - route diversion across the prevailing traffic flow; and
- c) loss of, or significant reduction in, the required navigation capability when operating in an airspace where the navigation performance accuracy is prerequisite to the safe conduct of flight operations.

2.1.2.1.2 With regards to **2.1.2.1.1** a) and b), the procedures are applicable primarily when rapid descend and / or turn back or diversion is required. the pilot's judgement shall determine the sequence of actions to be taken, having regard to the prevailing circumstances. Air traffic control shall render all possible assistance.

2.1.2.2 General Procedures

2.1.2.2.1 If an aircraft is unable to continue the flight in accordance with its ATC clearance, and / or an aircraft is unable to maintain the navigation performance accuracy specified for the airspace, a revised clearance shall be obtained, whenever possible, prior to initiating any action.

2.1.2.2.2 The radio telephony distress signal (MAYDAY) or urgency signal (PAN PAN) preferably spoken three times shall be used as appropriate subsequent ATC action with respect to that aircraft shall be based on the intentions of the pilot and the overall traffic situation.

2.1.2.2.3 If prior clearance cannot be obtained, and ATC clearance shall be obtained at the earliest possible time and, until revised clearance is received, the pilot shall:

- a) leave the assigned route or track by initially turning 90 degrees to the right or to the left. When possible, the direction of the turn should be determined by the position of the aircraft relative to any organized route or track system. Other factors which may affect the direction of the turn are:

- i. the direction to an alternate airport, terrain clearance;
- ii. any lateral offset being flown; and
- iii. the flight levels allocated on adjacent routes or tracks;

- b) following the turn, the pilot should:

- i. if unable to maintain the assigned flight level, initially minimize the rate of descend to the extent that is operationally feasible;
- ii. take account of other aircraft being laterally offset from its track;
- iii. acquire and maintain in either direction a track laterally separated by 28 KM (15 NM) from the assigned route; and
- iv. once established on the offset track, climb or descend to select a flight level which differs from those normally used by 150 M (500 FT);

- c) establish communication with and alert nearby aircraft by broadcasting, at suitable intervals aircraft identification, flight level, position (including the ATS route designator or track code, as appropriate) and intentions on the frequency in use and on 121.500 MHZ (or, as a back - up, on the inter - pilot air - to - air frequency 123.450 MHZ);
- d) maintain a watch for conflicting traffic both visually and by reference to ACAS (if equipped);
- e) turn on all aircraft exterior lights (communicate with appropriate operating limitations);
- f) keep the SSR transponder on at all times; and
- g) take action as necessary to ensure the safety of the aircraft.

Note: when leaving the assigned track to acquire and maintain the track laterally separated by 28 KM (15 NM), the flight crew should, where practicable, avoid bank angles that would result in overshooting the track to be acquired, particularly in airspace where a 55.5 KM (30 NM) lateral separation minimum is applied.

2.1.2.2.4 Extended Range Operations by aeroplanes with two - turbine power - units (ETOPS). If the contingency procedure are employed by a twin - engine aircraft as a result of an engine shut down or failure of an ETOPS critical system, the pilot should advise ATC as soon as practicable of the situation, reminding ATC of the type of aircraft involved, and request expeditious handling.

2.1.2.3 Weather Deviation Procedures

2.1.2.3.1 General

Note: The following procedures are intended for deviations around adverse meteorological conditions.

2.1.2.3.1.1 When the pilot initiates communications with ATC, a rapid response may be obtained by stating "WEATHER DEVIATION REQUIRED" to indicate that priority is desired on the frequency and for ATC response. When necessary, the pilot should initiate the communications using the urgency call "PAN PAN" (preferable spoken three times).

2.1.2.3.1.2 The pilot shall inform ATC when weather deviation is no longer required, or when weather deviation has been completed and the aircraft has return to its cleared route.

2.1.2.3.2 Actions to be taken when Controller - Pilot Communications are established.

2.1.2.3.2.1 The pilot should notify ATC and request clearance to deviate from track, advising, when possible, the extent of the deviation expected.

2.1.2.3.2.2 ATC should take one of the following actions:

- a) when appropriate separation can be applied, issue clearance to deviate from track; or
- b) if there is conflicting traffic and ATC is unable to establish appropriate separation, ATC shall:
 - i. advise the pilot of inability to issue clearance for the requested deviation;
 - ii. advise the pilot of conflicting traffic; and
 - iii. request the pilots intentions.

ENR 3. ATS ROUTES

ENR 3.1 CONVENTIONAL NAVIGATION ROUTES

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
A602						
▲ MOGSA 144118N 0201241W	318° / 138° 114 NM	FL 245 3000 FT AMSL NIL	40	↑	↓	
▲ TOBIK 155142N 0214606W	318° / 138° 86 NM	FL 245 3000 FT AMSL NIL	10	↑	↓	
▲ SAL / AMILCAR CABRAL VOR/ DME (CVS) 164412.03N 0225703.67W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
B623						
▲ IPERA 202154N 0204200W	219° / 040° 173 NM	FL 245 3000 FT AMSL NIL	90	↑	↓	
▲ DIMKI 175320N 0221453W	220° / 041° 80 NM	FL 245 3000 FT AMSL NIL	10	↑	↓	
▲ SAL / AMILCAR CABRAL VOR/ DME (CVS) 164412.03N 0225703.67W	216° / 037° 188 NM	FL 245 3000 FT AMSL NIL	10	↑	↓	
▲ ODMEN 135354N 0242034W	217° / 037° 14 NM	FL 245 3000 FT AMSL NIL	90	↑	↓	
▲ ONOBI 134136N 0242630W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
R976						
▲ LUMPO 154048N 0200000W	301° / 121° 101 NM	FL 245 3000 FT AMSL NIL	40	↑	↓	

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
▲ POLMO 161629N 0213834W	301° / 121° 80 NM	FL 245 3000 FT AMSL	10	↑	↓	
▲ SAL / AMILCAR CABRAL VOR/ DME (CVS) 164412.03N 0225703.67W		NIL				

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W11						
▲ PINPO 173905N 0215618W	237° / 057° 80 NM	FL 245 3000 FT AMSL	10	↑	↓	
▲ SAL / AMILCAR CABRAL VOR/ DME (CVS) 164412.03N 0225703.67W		NIL				

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W12						
▲ SAL / AMILCAR CABRAL VOR/ DME (CVS) 164412.03N 0225703.67W	207° / 027° 112 NM	FL 245 3000 FT AMSL	10	↑	↓	
▲ PRAIA VOR/DME (SNT) 145620.74N 0232855.64W		NIL				

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W13						
▲ SAL / AMILCAR CABRAL VOR/ DME (CVS) 164412.03N 0225703.67W	220° / 041° 185 NM	FL 245 3000 FT AMSL	10	↑	↓	
▲ BULVO 140228N 0243012W		NIL				

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W14						
▲ SAL / AMILCAR CABRAL VOR/ DME (CVS) 164412.03N 0225703.67W	284° / 104° 122 NM	FL 245 3000 FT AMSL NIL	10	↑	↓	
▲ SAO VICENTE NDB (SVT) 164944.96N 0250352.65W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W15						
▲ SAL / AMILCAR CABRAL VOR/ DME (CVS) 164412.03N 0225703.67W	318° / 138° 141 NM	FL 245 3000 FT AMSL NIL	10	↑	↓	
▲ KEGIL 180928N 0245513W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W21						
▲ DIMKI 175320N 0221453W	209° / 030° 112 NM	FL 245 3000 FT AMSL NIL	10	↑	↓	
▲ BOA VISTA / RABIL NDB (BVT) 160803.39N 0225317.06W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W22						
▲ PINPO 173905N 0215618W	221° / 042° 106 NM	FL 245 3000 FT AMSL NIL	10	↑	↓	
▲ BOA VISTA / RABIL NDB (BVT) 160803.39N 0225317.06W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W23						
▲ BOA VISTA / RABIL NDB (BVT) 160803.39N 0225317.06W	216° / 037° 80 NM	FL 245 3000 FT AMSL NIL	10	↑	↓	
▲ PRAIA VOR/DME (SNT) 145620.74N 0232855.64W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W31						
▲ MOGSA 144118N 0201241W	285° / 105° 109 NM	FL 245 3000 FT AMSL NIL	40	↑	↓	
▲ SONVA 145014N 0220438W	285° / 105° 82 NM	FL 245 3000 FT AMSL NIL	10	↑	↓	
▲ PRAIA VOR/DME (SNT) 145620.74N 0232855.64W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W32						
▲ BORTA 135514N 0204345W	302° / 122° 91 NM	FL 245 3000 FT AMSL NIL	40	↑	↓	
▲ VONTO 142802N 0221134W	302° / 122° 80 NM	FL 245 3000 FT AMSL NIL	10	↑	↓	
▲ PRAIA VOR/DME (SNT) 145620.74N 0232855.64W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W33						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
▲ PRAIA VOR/DME (SNT) 145620.74N 0232855.64W	230° / 051° 80 NM	FL 245 3000 FT AMSL	10	↑	↓	
▲ ODMEN 135354N 0242034W		NIL				

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W34						
▲ PRAIA VOR/DME (SNT) 145620.74N 0232855.64W	239° / 060° 80 NM	FL 245 3000 FT AMSL	10	↑	↓	
▲ BULVO 140228N 0243012W		NIL				

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W35						
▲ SAO VICENTE NDB (SVT) 164944.96N 0250352.65W	152° / 333° 146 NM	FL 245 FL 85	10	↓	↑	
▲ PRAIA VOR/DME (SNT) 145620.74N 0232855.64W		NIL				

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W41						
▲ LININ 180905N 0244524W	204° / - 81 NM	FL 245 FL 85	10	↓	↓	
▲ SAO VICENTE NDB (SVT) 164944.96N 0250352.65W		NIL				

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W42						
▲ MOPAK 180720N 0240250W	- / 048° 97 NM	FL 245 FL 85 NIL	10	↑	↑	
▲ SAO VICENTE NDB (SVT) 164944.96N 0250352.65W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W43						
▲ NEMDO 180557N 0233154W	240° / 060° 116 NM	FL 245 3000 FT AMSL NIL	10	↑	↓	
▲ SAO VICENTE NDB (SVT) 164944.96N 0250352.65W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W45						
▲ SAO VICENTE NDB (SVT) 164944.96N 0250352.65W	- / 035° 90 NM	FL 245 3000 FT AMSL NIL	10	↑	↑	
▲ RANUR 152724N 0254132W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W46						
▲ SAO VICENTE NDB (SVT) 164944.96N 0250352.65W	251° / - 81 NM	FL 245 3000 FT AMSL NIL	10	↓	↓	
▲ MELUT 160755N 0261600W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
W47						
▲ EVKAS 174803N 0260116W	149° / 328° 80 NM	FL 245 FL 85 NIL	10	↓	↑	
▲ SAO VICENTE NDB (SVT) 164944.96N 0250352.65W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
UA602						
▲ MOGSA 144118N 0201241W	318° / 138° 122 NM	UNL FL 245 Class: A	NIL	↑	↓	
▲ OPADU 155618N 0215212W	318° / 138° 79 NM	UNL FL 245 Class: A	NIL	↑	↓	
▲ SAL / AMILCAR CABRAL VOR/ DME (CVS) 164412.03N 0225703.67W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
UB623						
▲ SAL / AMILCAR CABRAL VOR/ DME (CVS) 164412.03N 0225703.67W	216° / 037° 202 NM	FL 280 FL 245 Class: A	NIL	↑	↓	
▲ ONOBI 134136N 0242630W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
UR976						
▲ LUMPO 154048N 0200000W	301° / 121° 103 NM	UNL FL 245 Class: A	NIL	↑	↓	

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
▲ UNAMA 161712N 0214012W	300° / 121° 78 NM	UNL FL 245 Class: A	NIL	↑	↓	
▲ SAL / AMILCAR CABRAL VOR/ DME (CVS) 164412.03N 0225703.67W	318° / 138° 97 NM	UNL FL 245 Class: A	NIL	↑	↓	
▲ IRANI 174306N 0241812W	318° / 138° 125 NM	UNL FL 245 Class: A	NIL	↑	↓	
▲ GAMBA 185706N 0260342W	318° / 138° 260 NM	UNL FL 245 Class: A	NIL	↑	↓	
▲ ULTEM 212946N 0294800W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
UW11						
▲ GUNET 193542N 0194406W	238° / 057° 171 NM	UNL FL 245 Class: A	NIL	↑	↓	
▲ PINPO 173905N 0215618W	237° / 057° 80 NM	UNL FL 245 Class: A	NIL	↑	↓	
▲ SAL / AMILCAR CABRAL VOR/ DME (CVS) 164412.03N 0225703.67W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
UW21						
▲ DIMKI 175320N 0221453W	209° / 030° 112 NM	UNL FL 245 Class: A	NIL	↑	↓	
▲ BOA VISTA / RABIL NDB (BVT) 160803.39N 0225317.06W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
UW22						
▲ PINPO 173905N 0215618W	221° / 042° 106 NM	UNL FL 245 Class: A	NIL	↑	↓	
▲ BOA VISTA / RABIL NDB (BVT) 160803.39N 0225317.06W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
UW23						
▲ BOA VISTA / RABIL NDB (BVT) 160803.39N 0225317.06W	216° / 037° 80 NM	UNL FL 245 Class: A	NIL	↑	↓	
▲ PRAIA VOR/DME (SNT) 145620.74N 0232855.64W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
UW31						
▲ MOGSA 144118N 0201241W	285° / 105° 190 NM	UNL FL 245 Class: A	NIL	↑	↓	
▲ PRAIA VOR/DME (SNT) 145620.74N 0232855.64W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
UW32						
▲ BORTA 135514N 0204345W	302° / 122° 171 NM	UNL FL 245 Class: A	NIL	↑	↓	
▲ PRAIA VOR/DME (SNT) 145620.74N 0232855.64W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
UW33						
▲ PRAIA VOR/DME (SNT) 145620.74N 0232855.64W	230° / 051° 80 NM	UNL FL 245 Class: A	NIL	↑	↓	
▲ ODMEN 135354N 0242034W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
UW34						
▲ PRAIA VOR/DME (SNT) 145620.74N 0232855.64W	239° / 060° 80 NM	UNL FL 245 Class: A	NIL	↑	↓	
▲ BULVO 140228N 0243012W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
UW35						
▲ SAO VICENTE NDB (SVT) 164944.96N 0250352.65W	152° / 333° 146 NM	UNL FL 245 Class: A	NIL	↓	↑	
▲ PRAIA VOR/DME (SNT) 145620.74N 0232855.64W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
UW41						
▲ EDUMO 225454N 0233606W	203° / - 293 NM	UNL FL 245 Class: A	NIL	↓	↓	
▲ LININ 180905N 0244524W	204° / - 81 NM	UNL FL 245 Class: A	NIL	↓	↓	

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
▲ SAO VICENTE NDB (SVT) 164944.96N 0250352.65W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
UW42						
▲ MOPAK 180720N 0240250W	- / 048° 97 NM	UNL FL 245 Class: A	NIL	↑	↑	
▲ SAO VICENTE NDB (SVT) 164944.96N 0250352.65W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
UW43						
▲ IPERA 202154N 0204200W	239° / 060° 210 NM	UNL FL 245 Class: A	NIL	↑	↓	
▲ NEMDO 180557N 0233154W	240° / 060° 116 NM	UNL FL 245 Class: A	NIL	↑	↓	
▲ SAO VICENTE NDB (SVT) 164944.96N 0250352.65W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
UW45						
▲ SAO VICENTE NDB (SVT) 164944.96N 0250352.65W	- / 035° 90 NM	UNL FL 245 Class: A	NIL	↑	↑	
▲ RANUR 152724N 0254132W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
UW46						
▲ SAO VICENTE NDB (SVT) 164944.96N 0250352.65W	251° / - 81 NM	UNL FL 245 Class: A	NIL	↓	↓	
▲ MELUT 160755N 0261600W	251° / - 151 NM	UNL FL 245 Class: A	NIL	↓	↓	
▲ KEPAS 144822N 0282840W						

Route designator Name of Significant points Coordinates RCP/RSP specification	Track MAG VOR RDL ↓/↑ DIST (COP)	Upper limits Lower limits Minimum altitude Airspace classification	Lateral limits NM	Direction of Cruising Levels		Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even	
1	2	3	4	5		6
UW47						
▲ ULTEM 212946N 0294800W	148° / 329° 308 NM	UNL FL 245 Class: A	NIL	↓	↑	
▲ EVKAS 174803N 0260116W	149° / 328° 80 NM	UNL FL 245 Class: A	NIL	↓	↑	
▲ SAO VICENTE NDB (SVT) 164944.96N 0250352.65W						

ENR 3.2 AREA NAVIGATION ROUTES

Route designator (RNP/RNAV) Name of Significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DST ELEV DME Antenna	Geodesic DIST NM	Upper limits Lower limits Airspace classification	Direction of Cruising Levels		Navigation accuracy requirement	Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
UN741 (RNP 10)							
▲ EDUMO 225454N 0233606W	NIL	275	UNL FL 245 Class: A	↓	↓	+/- 10 NM	
▲ GAMBÁ 185706N 0260342W	NIL	285.1	UNL FL 245 Class: A	↓	↓	+/- 10 NM	
▲ KEPAS 144822N 0282840W	NIL						

Route designator (RNP/RNAV) Name of Significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DST ELEV DME Antenna	Geodesic DIST NM	Upper limits Lower limits Airspace classification	Direction of Cruising Levels		Navigation accuracy requirement	Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
UN857 (RNP 10)							
▲ GUNET 193542N 0194406W	NIL	250	UNL FL 245 Class: A	↑	↓	+/- 10 NM	
▲ OPADU 155618N 0215212W	NIL	167	UNL FL 245 Class: A	↑	↓	+/- 10 NM	
▲ BOTNO 133000N 0231430W	NIL						

Route designator (RNP/RNAV) Name of Significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DST ELEV DME Antenna	Geodesic DIST NM	Upper limits Lower limits Airspace classification	Direction of Cruising Levels		Navigation accuracy requirement	Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
UN866 (RNP 10)							
▲ TENPA 212100N 0215824W	NIL	255	UNL FL 245 Class: A	↑	↑	+/- 10 NM	
▲ IRANI 174306N 0241812W	NIL	234	UNL FL 245 Class: A	↑	↑	+/- 10 NM	
▲ AMDOL 142112N 0262130W	NIL						

Route designator (RNP/RNAV) Name of Significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DST ELEV DME Antenna	Geodesic DIST NM	Upper limits Lower limits Airspace classification	Direction of Cruising Levels		Navigation accuracy requirement	Remarks Controlling unit Channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
UN873 (RNP 10)							
▲ IPERA 202154N 0204200W	NIL	253	UNL FL 245 Class: A	↑	↓	+/- 10 NM	
▲ SAL / AMILCAR CABRAL VOR/DME (CVS) 164412.03N 0225703.67W	196 FT	196	UNL FL 245 Class: A	↑	↓	+/- 10 NM	
▲ POMAT 135236N 0243548W	NIL						

ENR 3.3 OTHER ROUTES

NIL

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ENR 3.4 EN-ROUTE HOLDING

<i>HLDG ID/FIX/WPT Coordinates</i>	<i>INBD TR (°MAG)</i>	<i>Direction of PTN</i>	<i>MAX IAS (KT)</i>	<i>MNM - MAX HLDG LVL</i>	<i>Time (MIN) or DIST OUBD</i>	<i>Controlling unit and Frequency</i>
1	2	3	4	5	6	7
SAL / AMILCAR CABRAL / CVS VOR/DME 164412.03N 0225703.67W	203°	Right	NIL	NIL	1	AMILCAR CABRAL ATS 119.700 MHZ 121.500 MHZ
	003°	Left	NIL	NIL	1	AMILCAR CABRAL ATS 119.700 MHZ 121.500 MHZ

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ENR 4. RADIO NAVIGATION AIDS/SYSTEMS

ENR 4.1 RADIO NAVIGATION AIDS - EN-ROUTE

<i>Name of station (VAR) (VOR: Declination)</i>	<i>ID</i>	<i>FREQ (CH)</i>	<i>Hours of operation</i>	<i>Coordinates</i>	<i>ELEV DME Antenna</i>	<i>Remarks</i>
1	2	3	4	5	6	7
BOA VISTA / RABIL NDB (11°W)	BVT	341 KHZ	00:00- 23:59	160803.39N 0225317.06W	NIL	Coverage: NDB: 50 NM
PRAIA NDB (12°W)	PRA	349 KHZ	00:00- 23:59	145532.22N 0232928.14W	NIL	Coverage: NDB: 50 NM
PRAIA VOR/DME (11°W)	SNT	116.600 MHZ (CH 113X)	00:00- 23:59	145620.74N 0232855.64W	333 FT	Coverage: DME: 200 NM, FL 500 VOR: 200 NM, FL 500
PRAIA VOR/DME (11°W)	SNT	116.600 MHZ (CH 113X)	00:00- 23:59	145620.74N 0232855.64W	333 FT	Coverage: DME: 200 NM, FL 500 VOR: 200 NM, FL 500
SAL / AMILCAR CABRAL VOR/DME (10°W)	CVS	115.300 MHZ (CH 100X)	00:00- 23:59	164412.03N 0225703.67W	196 FT	Coverage: DME: 200 NM, FL 500 VOR: 200 NM, FL 500
SAO NICOLAU L (11°W)	NCL	357 KHZ	00:00- 23:59	163345.59N 0241659.47W	NIL	Coverage: NDB: 50 NM
SAO VICENTE NDB (11°W)	SVT	333 KHZ	00:00- 23:59	164944.96N 0250352.65W	NIL	Coverage: NDB: 50 NM

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ENR 4.4 NAME - CODE DESIGNATORS FOR SIGNIFICANT POINTS

<i>Name-code designator</i>	<i>Coordinates</i>	<i>ATS route or other route</i>	<i>Remarks including supplementary definition of positions where required</i>
1	2	3	4
AMDOL	142112N 0262130W	UN866	
BORTA	135514N 0204345W	UW32, W32	
BOTNO	133000N 0231430W	UN857	
BULVO	140228N 0243012W	UW34, W13, W34	
DIMKI	175320N 0221453W	B623, UW21, W21	
EDUMO	225454N 0233606W	UN741, UW41	
EVKAS	174803N 0260116W	UW47, W47	
GAMBA	185706N 0260342W	UN741, UR976	
GUNET	193542N 0194406W	UN857, UW11	
IPERA	202154N 0204200W	B623, UN873, UW43	
IRANI	174306N 0241812W	UN866, UR976	
KEGIL	180928N 0245513W	W15	
KEPAS	144822N 0282840W	UN741, UW46	
LININ	180905N 0244524W	UW41, W41	
LUMPO	154048N 0200000W	R976, UR976	
MELUT	160755N 0261600W	UW46, W46	
MOGSA	144118N 0201241W	A602, UA602, UW31, W31	
MOPAK	180720N 0240250W	UW42, W42	
NEMDO	180557N 0233154W	UW43, W43	
ODMEN	135354N 0242034W	B623, UW33, W33	
ONOBI	134136N 0242630W	B623, UB623	
OPADU	155618N 0215212W	UA602, UN857	
PINPO	173905N 0215618W	UW11, UW22, W11, W22	
POLMO	161629N 0213834W	R976	
POMAT	135236N 0243548W	UN873	
RANUR	152724N 0254132W	UW45, W45	
SONVA	145014N 0220438W	W31	
TENPA	212100N 0215824W	UN866	
TOBIK	155142N 0214606W	A602	
ULTEM	212946N 0294800W	UR976, UW47	
UNAMA	161712N 0214012W	UR976	
VONTO	142802N 0221134W	W32	

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ENR 5.4 AIR NAVIGATION OBSTACLES - AREA 1

(Height 100 m AGL or higher)

<i>OBST ID or designation</i>	<i>OBST type</i>	<i>OBST position</i>	<i>ELEV/HGT (M)</i>	<i>OBST LGT Type/Colour</i>	<i>Remarks</i>
1	2	3	4	5	6
GVAC001	Pole	164525.4N 0225632.9W	463.08 FT / 463.08 FT	YES NIL / NIL	

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AD 1.3 INDEX TO AERODROMES AND HELIPORTS

Aerodrome/Heliport name Location indicator	Type of traffic permitted to use the aerodrome/heliport			Reference to AD Section and remarks
	International- National (INTL - NTL)	IFR - VFR	S = scheduled N = Non-scheduled G = General aviation M = Military X = Other	
1	2	3	4	5
Aerodromes				
FOGO ISLAND / SAO FILIPE	GVSF*	-	-	AD 2 - GVSF
MAIO ISLAND / MAIO	GVMA*	-	-	AD 2 - GVMA
PRAIA / NELSON MANDELA	GVNP*	-	-	AD 2 - GVNP
RABIL / ARISTIDES PEREIRA	GVBA	-	-	AD 2 - GVBA
SAL ISLAND / AMILCAR CABRAL	GVAC	-	-	AD 2 - GVAC
SAO NICOLAU ISLAND / PREGUICA	GVSN*	-	-	AD 2 - GVSN
SAO PEDRO / CESARIA EVORA	GVSV	-	-	AD 2 - GVSV
* The location indicators marked with an asterisk (*) cannot be used in the address component of AFS messages.				

AERODROME AND HELIPORTS - INDEX CHART

To be developed.