GRAN CANARIA
RNAV RWY 21L

CARTA DE SALIDA NORMALIZADA
VUELO POR INSTRUMENTOS (SID)-OACI

TA 6000 ft
VAR 3°35.0'W (2025)

APP 124.300 MHz
TWR 118.300 MHz

ARACO4B ODEGI3B | BIMBO5B RASEP2B | COSTI5B REMGI3B | HIE4B SAMAR6B | KONBA4B SARAY2B | KOPUD2B TFN4B | KORAL8B VASTO6B | LOMAS2B XORBO1B | MOVAS1B

018°00W 017°00W 016°00W 015°00W 014°00W
30°00N 29°00N 28°00N

ÁREA DE REDUCCIÓN DE VELOCIDAD // SPEED ADJUSTMENT AREA

ALT, ELEV & HGT: FT.
DIST: NM.
BRG: MAG.

RNAV1
- ARACO4B, COSTI5B, HIE4B, KOPUD2B, LOMAS2B, MOVAS1B, ODEGI3B, RASEP2B, REMGI3B, SAMAR6B, SARAYB2, TFN4B, VASTO6B, XORBO1B: GNSS O // OR (DME/DME/IRU) REQUERIDO // REQUIRED;
· ARACO4B: DME BV, GDV, HR, LGM, LPC, TFS MBOF (DME/DME/IRU).
· COSTI5B, KOPUD2B, ODEGI3B: DME GDV MBOF (DME/DME/IRU).
· HIE4B: DME BV, LPC MBOF (DME/DME/IRU).
· MOVAS1B: DME LPC MBOF (DME/DME/IRU).
· RASEP2B: DME GDV, LRO MBOF (DME/DME/IRU).
· SAMAR6B, VASTO6B: DME GDV, LPC, LZR, TFN MBOF (DME/DME/IRU).
· SARAY2B: DME GDV, LPC, TFN MBOF (DME/DME/IRU).
· TFN4B: DME GDV, LPC,TFS MBOF (DME/DME/IRU).
· XORBO1B: DME GDV, LPC MBOF (DME/DME/IRU).
- BIMBO5B, KONBA4B, KORAL8B: GNSS REQUERIDO // REQUIRED.

- NOTAS, RESTRICCIONES, OBST CERCANOS QUE VULNERAN LA OIS: VER DESCRIPCIÓN TEXTUAL.
- NOTES, RESTRICTIONS, CLOSE-IN OBST WHICH PENETRATE THE OIS:: SEE TEXTUAL DESCRIPTION.

OCÉANO ATLÁNTICO

SAHARA OCCIDENTAL

BIMBO FL100 | KONBA FL200 | SAMAR FL200 | VASTO FL200 | KORAL FL100 | LANZAROTE LZR | PEPES | SARAY | LARYS | RASEP | KOPUD | TUPIK | THAIS | NERVO | KASAS | TESEL | ARACO | XORBO FL070 | ARTEM | TENERIFE LOS RODEOS LRO | TENERIFE NORTE TFN | LRO | TFN | HIE | EL HIERRO HIE | MOVAS | LOMAS MAX IAS 230 kt | DRANO 5200 | ODEGI FL110 | REMGI FL100 | COSTI FL100 | GRAN CANARIA GDV | GRAN CANARIA SUR LPC | LPC 1800 | LP700 | LP801 2500 | LP802 | LP803 4300 | LP804 | LP805 | LP806

BIMBO5B KONBA4B 355° 39.3 | 355° 46.4 | 355° | 339° 15.6 | 037° | 019° | 037° | 059° 57.4 | 059° | 024° | 320° 30.3 | 330° 27.4 | 305° 37 | 305° 8 | 305° 12.7 | 306° | 025° 15.3 | 025° 8.5 | 205° 5.5 | 042° 5.5 | 118° 5.5 | 083° 19.4 | 074° 14.0 | 044° 19.5 | 022° 30.9 | 024° | 059° | 172° 15.0 | 226° 6.1 | 115° 74.0 | 278° 127.1 | 277° 69.1 | 268° 32.9 | 274° 25.5 | 289° 17.1 | 305° 14.6 | 206° | 205° 10.6 | 295° 10.6 | 059° 57.4 | 102.6 | 108.6 | 063.2 | 054.3 | 042.3 | 082.3 | 067.0

ARACO4B TFN4B XORBO1B | BIMBO5B KONBA4B KORAL8B SAMAR6B SARAY2B VASTO6B | ARACO4B/BIMBO5B COSTI5B/KONBA4B KOPUD2B/KORAL8B RASEP2B/SAMAR6B SARAY2B/TFN4B VASTO6B/XORBO1B | COSTI5B KOPUD2B RASEP2B | VASTO6B | SAMAR6B | SARAY2B VASTO6B | KOPUD2B RASEP2B | BIMBO5B KONBA4B KORAL8B SAMAR6B SARAY2B VASTO6B | REMGI3B | KORAL8B | HIE4B LOMAS2B MOVAS1B ODEGI3B | LOMAS2B | ODEGI3B | MOVAS1B

GCR173 4500 ft ALT SFC | GCR175A FL210 FL070 | GCR148 FL180 SFC | GCR149 6500 ft ALT SFC | GCR151 FL220 SFC | GCR17A FL210 FL070 | GCD29 8000 ft ALT SFC | GCD23 6000 ft ALT SFC | GCD74 FL330 SFC | GCD75 6500 ft ALT SFC | GCD53 FL320 SFC | GCD54 4000 ft ALT SFC | GCD51 4000 ft ALT SFC | GCD3 6500 ft ALT SFC | GCR150 3500 ft ALT SFC | GCD15 FL100 SFC | GCD20B FL280 SFC | GCD20A 4000 ft ALT SFC | GCD79D/T/W UNL 2000 ft AMSL | GCD79T/W UNL 2000 ft AMSL | GCD79T UNL 2000 ft AMSL | GCD79N/T UNL 2000 ft AMSL | GCD79C UNL 2000 ft AMSL | GCD79C/E/N/T UNL 2000 ft AMSL | GCD79A/C/E/N/T UNL 2000 ft AMSL

1:1 250 000
0 10 20 30 40 50 NM
0 10 20 30 NM

CHANGES: REPRINTING.

WAYPOINTS COORDINATES

WPT	COORD
ARACO	282557.1N 0172708.4W
ARTEM	282432.5N 0160202.9W
BIMBO	312517.2N 0160158.4W
COSTI	272136.5N 0134208.5W
DRANO	273920.4N 0153024.4W
GDV	280437.5N 0152544.4W
HIE	274858.2N 0175311.0W
KASAS	295911.1N 0154607.4W
KONBA	311803.0N 0151806.0W
KOPUD	280823.0N 0143028.0W
KORAL	294353.1N 0123442.0W
LARYS	285218.6N 0145003.4W
LOMAS	274313.6N 0154127.8W
LP700	280914.1N 0153405.5W
LP801	274738.6N 0152646.6W
LP802	274523.6N 0152110.6W
LP803	274955.0N 0151708.0W
LP804	275749.0N 0151340.0W
LP805	281221.0N 0150718.0W
LP806	274851.0N 0145939.0W
LPC	274942.7N 0152556.1W
LRO	282905.7N 0162105.6W
LZR	290957.6N 0133038.6W
MOVAS	274333.7N 0164805.0W
NERVO	292018.9N 0153907.2W
ODEGI	265340.5N 0161724.4W
PEPES	303704.0N 0141557.0W
RASEP	284139.0N 0142648.0W
REMGI	270524.7N 0151610.6W
SAMAR	305359.0N 0142456.0W
SARAY	294531.1N 0140926.7W
TESEL	282917.8N 0164959.7W
THAIS	283420.0N 0153104.2W
TFN	283212.6N 0161607.6W
TUPIK	275327.0N 0144444.0W
VASTO	303034.0N 0133422.0W
XORBO	282755.6N 0154809.7W

CRITICAL DME

FACILITY (ID)	FREQ/CH	COORD
LA PALMA (BV)	112.40 MHz CH 71X	283606.2503N 0174524.3077W
GRAN CANARIA (GDV)	112.90 MHz CH 76X	280437.6297N 0152542.8143W
EL HIERRO (HR)	113.20 MHz CH 79X	274857.7924N 0175311.1588W
GRAN CANARIA SUR (LPC)	115.00 MHz CH 97X	274943.2149N 0152555.9428W
TENERIFE - LOS RODEOS (LRO)	116.20 MHz	

FACILITY (ID)	FREQ/CH	COORD
	CH 109X	282905.2051N 0162105.7582W
LANZAROTE (LZR)	115.20 MHz CH 99X	290956.4235N 0133039.5777W
TENERIFE NORTE (TFN)	117.70 MHz CH 124X	283212.8960N 0161607.2059W
TENERIFE SUR (TFS)	116.40 MHz H 111X	280008.8191N 0164114.9892W

STANDARD INSTRUMENT DEPARTURES (SID)

RUNWAY 21L

NOTES APPLICABLE TO ALL SID:

- RNAV1.
- SPEED CONTROL:
  a. TMA CANARIAS Speed Adjustment Area: MAX IAS 250 kt at FL100 or below, except military flights on operational or air defense missions or when the operational characteristics do not allow for it.

CONTINGENCY DEPARTURE (ODP).

GCLP ONE BRAVO (*GCLP1B).* TACTICAL USE ONLY. UNPLANNED.

Departing aircraft not approved for RNAV1 operations that are to proceed via an RNAV1-only departure route shall notify Gran Canaria TWR (CLR frequency) by voice and shall be instructed to proceed in accordance with the provisions of this contingency SID.

Climb on magnetic heading 190º up to reach 5000 ft AMSL. Turn following for ATC instructions.

Minimum climb gradient of 6.8% up to 4500 ft.

In case of communication failure, proceed according to the established in section ENR 1.8, item "Air ground Communication Failure" in AIP ESPAÑA.

PROCEDURE TABULAR DESCRIPTION

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
ARACO4B Minimum climb gradient 5% up to LP801. INITIAL ATC CLEARANCE: Climb to 5000 ft and wait for further clearance. GNSS or (DME/DME/IRU) required; • DME BV, GDV, HR, LPC, TFS must be operational (DME/DME/IRU).											
001	CF	LP801	-	205 (201.8)	+3.6	-	-	+2500	-	-	RNAV 1
002	TF	LP802	-	118 (114.3)	+3.6	5.5	-	-	-	-	RNAV 1
003	TF	LP803	-	042 (038.5)	+3.6	5.8	-	+4300	-	-	RNAV 1
004	TF	LP804	-	025 (021.3)	+3.6	8.5	-	-	-	-	RNAV 1
005	TF	GDV	-	306 (302.5)	+3.6	12.7	-	-	-	-	RNAV 1
006	TF	ARTEM	-	305 (301.9)	+3.6	37.7	-	-	-	-	RNAV 1
007	TF	LRO	-	289 (285.2)	+3.6	17.4	-	-	-	-	RNAV 1
008	TF	TESEL	-	274 (270.6)	+3.6	25.5	-	-	-	-	RNAV 1
009	TF	ARACO	-	268 (264.3)	+3.6	32.9	-	-	-	-	RNAV 1

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
BIMBO5B Minimum climb gradient 5% up to LP801. INITIAL ATC CLEARANCE: Climb to FL150 and wait for further clearance. GNSS required.											

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
001	CF	LP801	-	205 (201.8)	+3.6	-	-	+2500	-	-	RNAV 1
002	TF	LP802	-	118 (114.3)	+3.6	5.5	-	-	-	-	RNAV 1
003	TF	LP803	-	042 (038.5)	+3.6	5.8	-	+4300	-	-	RNAV 1
004	TF	LP804	-	025 (021.3)	+3.6	8.5	-	-	-	-	RNAV 1
005	TF	LP805	-	025 (021.2)	+3.6	15.5	-	-	-	-	RNAV 1
006	TF	THAIS	-	320 (316.4)	+3.6	30.3	-	-	-	-	RNAV 1
007	TF	NERVO	-	355 (351.3)	+3.6	46.4	-	-	-	-	RNAV 1
008	TF	KASAS	-	355 (351.1)	+3.6	39.3	-	-	-	-	RNAV 1
009	TF	BIMBO	Y	355 (351.0)	+3.6	87.0	-	+FL100	-	-	RNAV 1

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification

COSTI5B

Minimum climb gradient 5% up to LP801.
INITIAL ATC CLEARANCE: Climb to 5000 ft and wait for further clearance.
GNSS or (DME/DME/IRU) required;

- DME GDV must be operational (DME/DME/IRU).

001	CF	LP801	-	205 (201.8)	+3.6	-	-	+2500	-	-	RNAV 1
002	TF	LP802	-	118 (114.3)	+3.6	5.5	-	-	-	-	RNAV 1
003	TF	LP806	-	083 (079.7)	+3.6	19.4	-	-	-	-	RNAV 1
004	TF	COSTI	Y	115 (111.2)	+3.6	74.0	-	+FL100	-	-	RNAV 1

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification

HIE4B

Minimum climb gradient 5% up to DRANO.
INITIAL ATC CLEARANCE: Climb to 5000 ft and wait for further clearance.
GNSS or (DME/DME/IRU) required;

- DME BV, LPC must be operational (DME/DME/IRU).

001	CF	DRANO	-	205 (201.5)	+3.6	-	-	+5200	-	-	RNAV 1
002	TF	HIE	-	278 (274.9)	+3.6	127.1	-	-	-	-	RNAV 1

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification

KONBA4B

Minimum climb gradient 5% up to LP801.
INITIAL ATC CLEARANCE: Climb to FL150 and wait for further clearance.
GNSS required.

001	CF	LP801	-	205 (201.8)	+3.6	-	-	+2500	-	-	RNAV 1
002	TF	LP802	-	118 (114.3)	+3.6	5.5	-	-	-	-	RNAV 1
003	TF	LP803	-	042 (038.5)	+3.6	5.8	-	+4300	-	-	RNAV 1
004	TF	LP804	-	025 (021.3)	+3.6	8.5	-	-	-	-	RNAV 1
005	TF	LP805	-	025 (021.2)	+3.6	15.5	-	-	-	-	RNAV 1
006	TF	THAIS	-	320 (316.4)	+3.6	30.3	-	-	-	-	RNAV 1
007	TF	NERVO	-	355 (351.3)	+3.6	46.4	-	-	-	-	RNAV 1
008	TF	KASAS	-	355 (351.1)	+3.6	39.3	-	-	-	-	RNAV 1
009	TF	KONBA	Y	021 (017.0)	+3.6	82.3	-	+FL200	-	-	RNAV 1

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification

KOPUD2B

Minimum climb gradient 5% up to LP801.
INITIAL ATC CLEARANCE: Climb to 5000 ft and wait for further clearance.

- GNSS or (DME/DME/IRU) required;
- DME GDV must be operational (DME/DME/IRU).

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
001	CF	LP801	-	205 (201.8)	+3.6	-	-	+2500	-	-	RNAV 1
002	TF	LP802	-	118 (114.3)	+3.6	5.5	-	-	-	-	RNAV 1
003	TF	LP806	-	083 (079.7)	+3.6	19.4	-	-	-	-	RNAV 1
004	TF	TUPIK	-	074 (070.8)	+3.6	14.0	-	-	-	-	RNAV 1
005	TF	KOPUD	-	044 (040.2)	+3.6	19.5	-	-	-	-	RNAV 1

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
KORAL8B Minimum climb gradient 5% up to LP801. INITIAL ATC CLEARANCE: Climb to FL200 and wait for further clearance. GNSS required.											
001	CF	LP801	-	205 (201.8)	+3.6	-	-	+2500	-	-	RNAV 1
002	TF	LP802	-	118 (114.3)	+3.6	5.5	-	-	-	-	RNAV 1
003	TF	LP803	-	042 (038.5)	+3.6	5.8	-	+4300	-	-	RNAV 1
004	TF	LP804	-	025 (021.3)	+3.6	8.5	-	-	-	-	RNAV 1
005	TF	LP805	-	025 (021.2)	+3.6	15.5	-	-	-	-	RNAV 1
006	TF	LZR	-	059 (055.6)	+3.6	102.6	-	-	-	-	RNAV 1
007	TF	KORAL	Y	059 (055.1)	+3.6	59.4	-	+FL100	-	-	RNAV 1

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
LOMAS2B Minimum climb gradient 5% up to DRANO. INITIAL ATC CLEARANCE: Climb to 5000 ft and wait for further clearance. GNSS or (DME/DME/IRU) required.											
001	CF	DRANO	-	205 (201.5)	+3.6	-	-	+5200	-	-	RNAV 1
002	TF	LOMAS	-	295 (291.6)	+3.6	10.6	-	-	-230	-	RNAV 1

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
MOVAS1B Minimum climb gradient 5% up to DRANO. INITIAL ATC CLEARANCE: Climb to 5000 ft and wait for further clearance. GNSS or (DME/DME/IRU) required; • DME LPC must be operational (DME/DME/IRU).											
001	CF	DRANO	-	205 (201.5)	+3.6	-	-	+5200	-	-	RNAV 1
002	TF	MOVAS	-	277 (273.8)	+3.6	69.1	-	-	-	-	RNAV 1

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
ODEGI3B Minimum climb gradient 5% up to DRANO. Sujeta a la actividad GCD20B y GCD79N/T. INITIAL ATC CLEARANCE: Climb to 5000 ft and wait for further clearance. GNSS or (DME/DME/IRU) required; • DME GDV must be operational (DME/DME/IRU).											
001	CF	DRANO	-	205 (201.5)	+3.6	-	-	+5200	-	-	RNAV 1
002	TF	ODEGI	-	226 (222.8)	+3.6	61.9	-	+FL110	-	-	RNAV 1

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
RASEP2B Minimum climb gradient 5% up to LP801. INITIAL ATC CLEARANCE: Climb to 5000 ft and wait for further clearance. GNSS or (DME/DME/IRU) required; • DME GDV, LRO must be operational (DME/DME/IRU).											
001	CF	LP801	-	205 (201.8)	+3.6	-	-	+2500	-	-	RNAV 1
002	TF	LP802	-	118 (114.3)	+3.6	5.5	-	-	-	-	RNAV 1
003	TF	LP806	-	083 (079.7)	+3.6	19.4	-	-	-	-	RNAV 1
004	TF	TUPIK	-	074 (070.8)	+3.6	14.0	-	-	-	-	RNAV 1
005	TF	RASEP	-	022 (018.2)	+3.6	50.6	-	-	-	-	RNAV 1

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
REMGI3B Minimum climb gradient 5% up to LPC. Sujeta a la actividad GCD79C/E/N/T. INITIAL ATC CLEARANCE: Climb to 5000 ft and wait for further clearance. GNSS o DME/DME/IRU required.											
001	CF	LPC	-	206 (202.3)	+3.6	-	-	+1800	-	-	RNAV 1
002	TF	REMGI	-	172 (168.8)	+3.6	45.0	-	+FL100	-	-	RNAV 1

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
SAMAR6B Minimum climb gradient 5% up to LP801. INITIAL ATC CLEARANCE: Climb to FL200 and wait for further clearance. GNSS or (DME/DME/IRU) required; • DME GDV, LPC, LZR, TFN must be operational (DME/DME/IRU).											
001	CF	LP801	-	205 (201.8)	+3.6	-	-	+2500	-	-	RNAV 1
002	TF	LP802	-	118 (114.3)	+3.6	5.5	-	-	-	-	RNAV 1
003	TF	LP803	-	042 (038.5)	+3.6	5.8	-	+4300	-	-	RNAV 1
004	TF	LP804	-	025 (021.3)	+3.6	8.5	-	-	-	-	RNAV 1
005	TF	LP805	-	025 (021.2)	+3.6	15.5	-	-	-	-	RNAV 1
006	TF	LARYS	-	024 (020.8)	+3.6	42.7	-	-	-	-	RNAV 1
007	TF	PEPES	-	019 (015.7)	+3.6	108.6	-	-	-	-	RNAV 1
008	TF	SAMAR	Y	339 (335.4)	+3.6	18.6	-	+FL200	-	-	RNAV 1

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
SARAY2B Minimum climb gradient 5% up to LP801. INITIAL ATC CLEARANCE: Climb to FL200 and wait for further clearance. GNSS or (DME/DME/IRU) required; • DME GDV, LPC, TFN deben estar operativos para (DME/DME/IRU).											
001	CF	LP801	-	205 (201.8)	+3.6	-	-	+2500	-	-	RNAV 1
002	TF	LP802	-	118 (114.3)	+3.6	5.5	-	-	-	-	RNAV 1
003	TF	LP803	-	042 (038.5)	+3.6	5.8	-	+4300	-	-	RNAV 1
004	TF	LP804	-	025 (021.3)	+3.6	8.5	-	-	-	-	RNAV 1
005	TF	LP805	-	025 (021.2)	+3.6	15.5	-	-	-	-	RNAV 1
006	TF	LARYS	-	024 (020.8)	+3.6	42.7	-	-	-	-	RNAV 1
007	TF	SARAY	-	037 (033.6)	+3.6	63.9	-	-	-	-	RNAV 1

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
TFN4B Minimum climb gradient 5% up to LP801.											

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
INITIAL ATC CLEARANCE: Climb to 5000 ft and wait for further clearance. GNSS or (DME/DME/IRU) required; • DME GDV, LPC, TFS must be operational (DME/DME/IRU).											
001	CF	LP801	-	205 (201.8)	+3.6	-	-	+2500	-	-	RNAV 1
002	TF	LP802	-	118 (114.3)	+3.6	5.5	-	-	-	-	RNAV 1
003	TF	LP803	-	042 (038.5)	+3.6	5.8	-	+4300	-	-	RNAV 1
004	TF	LP804	-	025 (021.3)	+3.6	8.5	-	-	-	-	RNAV 1
005	TF	GDV	-	306 (302.5)	+3.6	12.7	-	-	-	-	RNAV 1
006	TF	ARTEM	-	305 (301.9)	+3.6	37.7	-	-	-	-	RNAV 1
007	TF	TFN	-	305 (301.7)	+3.6	14.6	-	-	-	-	RNAV 1

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
VASTO6B Minimum climb gradient 5% up to LP801. INITIAL ATC CLEARANCE: Subir a FL200 y esperar posterior autorización. GNSS or (DME/DME/IRU) required; • DME GDV, LPC, LZR, TFN must be operational (DME/DME/IRU).											
001	CF	LP801	-	205 (201.8)	+3.6	-	-	+2500	-	-	RNAV 1
002	TF	LP802	-	118 (114.3)	+3.6	5.5	-	-	-	-	RNAV 1
003	TF	LP803	-	042 (038.5)	+3.6	5.8	-	+4300	-	-	RNAV 1
004	TF	LP804	-	025 (021.3)	+3.6	8.5	-	-	-	-	RNAV 1
005	TF	LP805	-	025 (021.2)	+3.6	15.5	-	-	-	-	RNAV 1
006	TF	LARYS	-	024 (020.8)	+3.6	42.7	-	-	-	-	RNAV 1
007	TF	SARAY	-	037 (033.6)	+3.6	63.9	-	-	-	-	RNAV 1
008	TF	VASTO	Y	037 (033.9)	+3.6	54.3	-	+FL200	-	-	RNAV 1

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
XORBO1B Minimum climb gradient 5% up to LP801. INITIAL ATC CLEARANCE: Climb to 5000 ft and wait for further clearance. GNSS or (DME/DME/IRU) required; • DME GDV, LPC must be operational (DME/DME/IRU).											
001	CF	LP801	-	205 (201.8)	+3.6	-	-	+2500	-	-	RNAV 1
002	TF	LP802	-	118 (114.3)	+3.6	5.5	-	-	-	-	RNAV 1
003	TF	LP803	-	042 (038.5)	+3.6	5.8	-	+4300	-	-	RNAV 1
004	TF	LP804	-	025 (021.3)	+3.6	8.5	-	-	-	-	RNAV 1
005	TF	GDV	-	306 (302.5)	+3.6	12.7	-	-	-	-	RNAV 1
006	TF	LP700	-	305 (301.9)	+3.6	8.7	-	-	-	-	RNAV 1
007	TF	XORBO	-	330 (326.4)	+3.6	22.4	-	+FL070	-	-	RNAV 1

CLOSE-IN OBSTACLES

OBS	RWY	LAT	LON	HGT (ft)	ELEV (ft)
GCLP-OBS-00610-000-2018	21L	275455.1N	0152321.8W	5.3	144.4
GCLP-OBS-00424-000-2024	21L	275455.6N	0152321.9W	4.6	140.5
GCLP-OBS-02154-000-2024	21L	275455.0N	0152323.2W	-	123.2
GCLP-OBS-01964-003-2024	21L	275452.2N	0152324.5W	8.2	131.9
GCLP-OBS-01964-002-2024	21L	275451.6N	0152325.2W	8.2	127.1
GCLP-OBS-00366-000-2024	21L	275457.6N	0152323.6W	-	102.4
GCLP-OBS-01176-028-2024	21L	275431.3N	0152359.6W	48.9	221.3
GCLP-OBS-01176-027-2024	21L	275429.4N	0152400.2W	49.8	223.4
GCLP-OBS-00908-000-2024	21L	275430.3N	0152356.6W	59.9	212.8
GCLP-OBS-01176-026-2024	21L	275427.5N	0152400.8W	49.6	224.8

OBS	RWY	LAT	LON	HGT (ft)	ELEV (ft)
GCLP-OBS-00693-009-2024	21L	275434.1N	0152354.5W	48.5	199.4
GCLP-OBS-00693-011-2024	21L	275427.3N	0152356.4W	60.4	218.5
GCLP-OBS-01176-025-2024	21L	275425.8N	0152401.4W	48.8	225.9
GCLP-OBS-01451-000-2024	21L	275427.0N	0152400.4W	32.7	206.9
GCLP-OBS-02432-000-2024	21L	275429.5N	0152359.3W	30.3	199.5
GCLP-OBS-00693-010-2024	21L	275430.3N	0152355.5W	44.5	194.3
GCLP-OBS-00977-000-2024	21L	275430.9N	0152352.7W	51.2	186.0
GCLP-OBS-02427-000-2024	21L	275428.0N	0152359.8W	26.7	198.2
GCLP-OBS-01176-030-2024	21L	275434.3N	0152358.7W	49.0	218.0
GCLP-OBS-01176-029-2024	21L	275432.7N	0152359.2W	49.4	219.7
GCLP-OBS-00693-008-2024	21L	275440.0N	0152352.7W	37.3	186.5
Terrain	21L	275456.9N	0152321.6W	-	118.7
Terrain	21L	275453.5N	0152322.2W	-	129.0
Terrain	21L	275456.1N	0152321.9W	-	126.1
Terrain	21L	275454.4N	0152321.9W	-	129.7
Terrain	21L	275456.3N	0152321.8W	-	125.8
Terrain	21L	275455.3N	0152321.8W	-	129.6

SIGNIFICANT OBSTACLES

OBS	RWY	LAT	LON	HGT (ft)	ELEV (ft)
GCLP-OBS-01176-024-2024	21L	275424.1N	0152402.0W	49.6	226.6
GCLP-OBS-01176-023-2024	21L	275422.4N	0152402.6W	48.8	226.7
GCLP-OBS-00798-002-2024	21L	275419.6N	0152407.0W	51.5	237.0
GCLP-OBS-01176-022-2024	21L	275420.7N	0152403.3W	48.8	227.0
GCLP-OBS-01176-021-2024	21L	275419.3N	0152403.8W	48.6	226.9
GCLP-OBS-01176-020-2024	21L	275417.5N	0152404.6W	49.1	226.1
GCLP-OBS-01444-002-2024	21L	275429.9N	0152402.7W	70.7	242.0
GCLP-OBS-01444-004-2024	21L	275428.3N	0152403.3W	70.3	242.1
Terrain	21L	275213.6N	0152343.0W	-	504.8
Terrain	21L	275213.5N	0152342.6W	-	514.8