

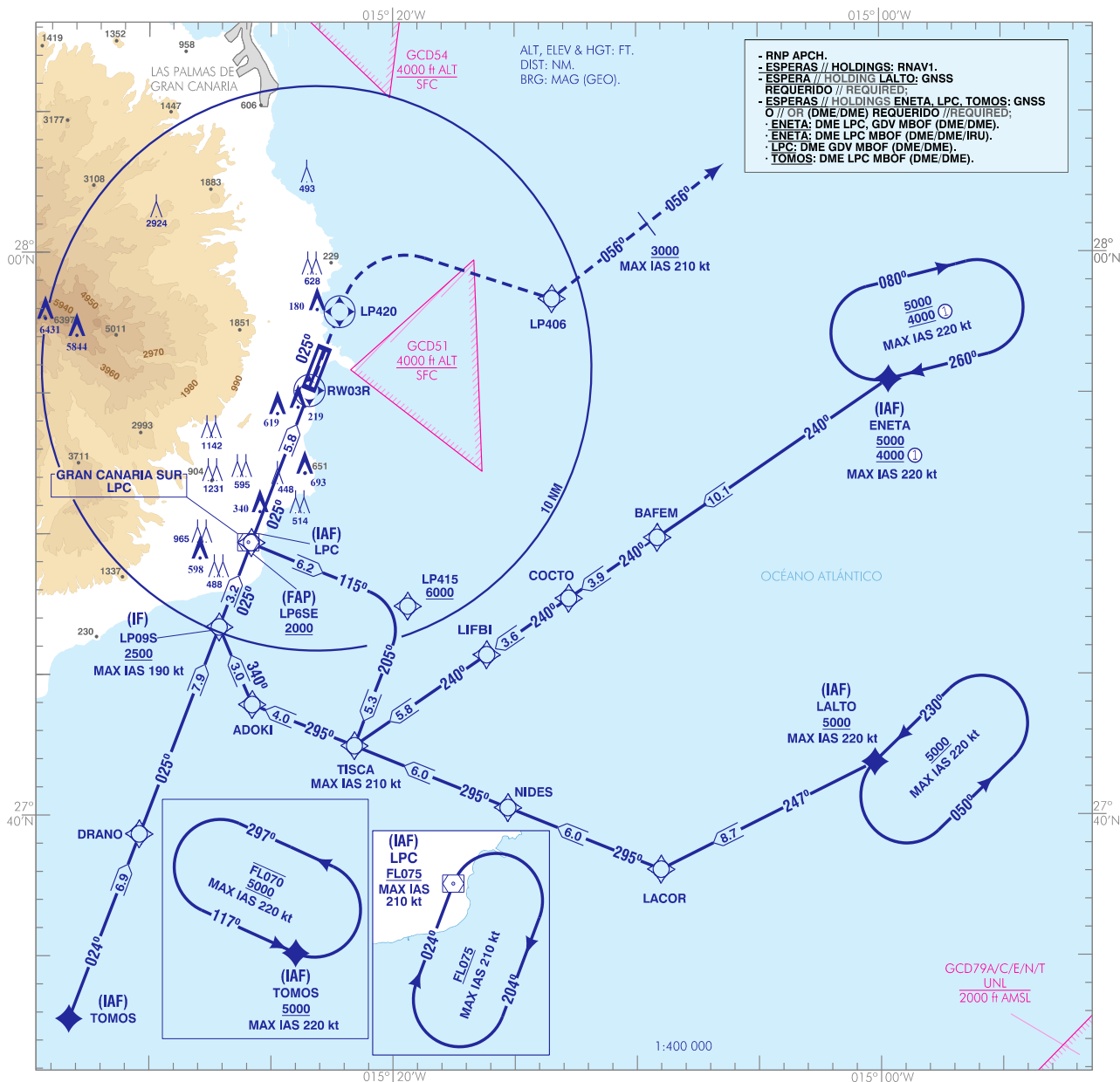
CARTA DE APROXIMACIÓN
POR INSTRUMENTOS-OACI

EGNOS
CH 76210
E03B

ELEV AD
77 ft
VAR 3°W (2025)

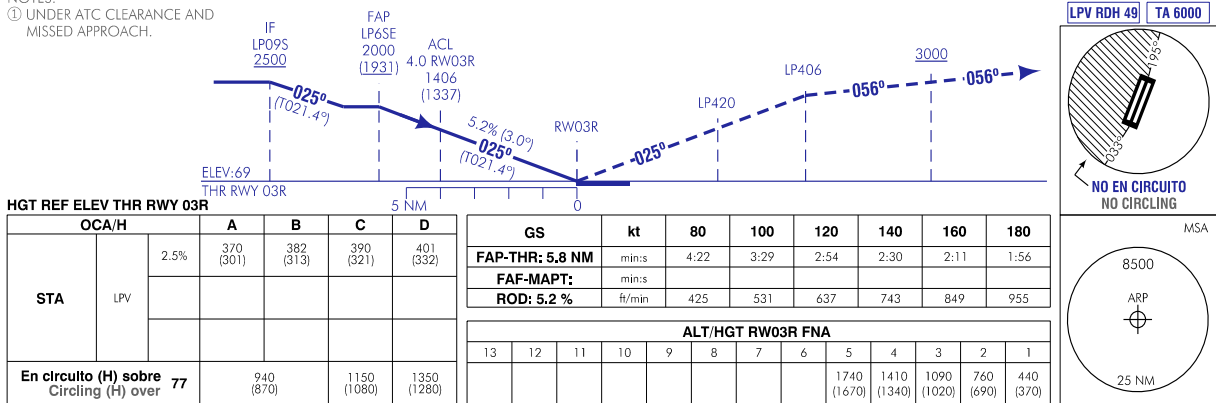
APP 124.300 MHz
TWR 118.300 MHz
GMC 121.700 MHz
ATIS 118.600 MHz

GRAN CANARIA
RNP
RWY 03R (LPV ONLY)



FRUSTRADA: SUBIR EN CURSO MAGNÉTICO 025° HASTA LP420. VIRAR A LA DERECHA DIRECTO A LP406. SEGUIR EN CURSO MAGNÉTICO 056° (IAS MAX 210 kt) HASTA ALCANZAR 3000. MANTENER 3000 Y ESPERAR INSTRUCCIONES RADAR.
FRUSTRADA FALLO DE COMUNICACIONES: SUBIR EN CURSO MAGNÉTICO 025° HASTA LP420. VIRAR A LA DERECHA DIRECTO A LP406. A SUFEM (IAS MAX 210 kt) A 3000. VIRAR A LA DERECHA A NINGU. A ENETA (IAS MAX 220 kt) ASCENDIENDO A 4000 PARA INTEGRARSE A LA ESPERA.
MISSED APCH: CLIMB ON MAGNETIC COURSE 025° UP TO LP420. TURN RIGHT DIRECT TO LP406. FOLLOW ON MAGNETIC COURSE 056° (MAX IAS 210 kt) TO REACH 3000. MAINTAIN 3000 AND WAIT FOR RADAR INSTRUCTIONS.
MISSED APCH COMMUNICATIONS FAILURE: CLIMB ON MAGNETIC COURSE 025° UP TO LP420. TURN RIGHT DIRECT TO LP406. TO SUFEM (MAX IAS 210 kt) TO 3000. TURN RIGHT TO NINGU. TO ENETA (MAX IAS 220 kt) CLIMBING TO 4000 TO JOIN THE HOLDING.

NOTAS:
① BAJO AUTORIZACIÓN ATC Y FRUSTRADA.
NOTES:
① UNDER ATC CLEARANCE AND MISSED APPROACH.



PBN BOX UPDATE:

CHANGES:

AERONAUTICAL DATABASE REQUIREMENTS

INSTRUMENT APPROACH PROCEDURES
RNP RWY 03R (LPV ONLY)

WAYPOINTS COORDINATES

WPT	COORD
ADOKI	274355.9N 0152546.4W
BAFEM	274951.6N 0150909.0W
COCTO	274742.2N 0151247.0W
DRANO	273920.4N 0153024.4W
ENETA (IAF)	275529.6N 0145938.4W
NINGU	275912.9N 0150310.6W
LACOR	273803.7N 0150900.1W
LALTO (IAF)	274153.2N 0150014.3W
LIFBI	274542.0N 0151609.1W
LP09S (IF)	274641.3N 0152707.6W
LP406	275821.0N 0151328.1W
LP415	274725.7N 0151923.5W
LP420	275753.5N 0152211.0W
LP6SE (FAP)	274941.2N 0152548.4W
LPC (IAF)	274942.7N 0152556.1W
NIDES	274016.0N 0151517.2W
RW03R (LTP)	275505.5N 0152325.3W
SUFEM	280255.9N 0150642.7W
TISCA	274228.1N 0152134.7W
TOMOS (IAF)	273251.0N 0153311.7W
Precision final approach (APV SBAS) - Slope (Descent angle)	5.24 % (3.00°)

CRITICAL DME

FACILITY (ID)	FREQ/CH	COORD
GRAN CANARIA (GDV)	112.90 MHz CH 76X	280437.6297N 0152542.8144W
GRAN CANARIA SUR (LPC)	115.00 MHz CH 97X	274943.2149N 0152555.9428W

NOTES APPLICABLE TO ALL APPROACHES:

- RNP APCH.
- Subject to GCD51 activity.
- Speed control:
 - a. MAX IAS 250 kt to FL100 or below, except military flights on operational or air defence missions or when the operational characteristics do not allow for it.
 - b. If any different instructions are not received by ATC cross:
 - TOMOS, ENETA, BAFEM and LALTO at 220 kt,
 - LPC at 210 kt,
 - TISCA at 210 kt,

- 9.0 NM RW03R at IAS 190 kt, and
- 4.0 NM RW03R at IAS 160 kt.

c. In the event of being unable to comply with it (b), notify it to ATC at the first communication.

DESCRIPCIÓN TABULAR DEL PROCEDIMIENTO 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)	Navigation specification
ENETA (IAF)											
001	IF	ENETA	-	-	+3.5	-	-	+5000 (1)	-220	-	RNP APCH
002	TF	BAFEM	-	240 (236.3)	+3.5	10.1	-	-	-	-	RNP APCH
003	TF	COCTO	-	240 (236.3)	+3.5	3.9	-	-	-	-	RNP APCH
004	TF	LIFBI	-	240 (236.2)	+3.5	3.6	-	-	-	-	RNP APCH
005	TF	TISCA	-	240 (236.2)	+3.5	5.8	-	-	-210	-	RNP APCH
006	TF	ADOKI	-	295 (291.4)	+3.5	4.0	-	-	-	-	RNP APCH
007	TF	LP09S	-	340 (336.4)	+3.5	3.0	-	+2500	-190	-	RNP APCH
008	TF	LP6SE	-	025 (021.4)	+3.5	3.2	-	+2000	-	-	RNP APCH
009	TF	RW03R	Y	025 (021.4)	+3.5	5.8	-	+118	-	3.0/49	RNP APCH
010	CF	LP420	Y	025 (021.4)	+3.5	-	-	-	-	-	RNP APCH
011	DF	LP406	-	-	+3.5	-	R	-	-	-	RNP APCH
012	CA	-	-	056 (052.6)	+3.5	-	-	+3000	-210	-	RNP APCH
013	VM	-	-	056 (052.6)	+3.5	-	-	@3000	-	-	RNP APCH
MISSED APCH COMMUNICATIONS FAILURE											
010	CF	LP420	Y	025 (021.4)	+3.5	-	-	-	-	-	RNP APCH
011	DF	LP406	-	-	+3.5	-	R	-	-	-	RNP APCH
012	TF	SUFEM	-	056 (052.6)	+3.5	7.5	-	@3000	-210	-	RNP APCH
013	TF	NINGU	-	143 (139.8)	+3.5	4.9	-	-	-	-	RNP APCH
014	TF	ENETA	-	143 (139.8)	+3.5	4.9	-	@4000	-220	-	RNP APCH
Minimum altitude 4000 ft under ATC clearance and missed approach.											

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)	Navigation specification
LALTO (IAF)											
001	IF	LALTO	-	-	+3.5	-	-	+5000	-220	-	RNP APCH
002	TF	LACOR	-	247 (243.9)	+3.5	8.7	-	-	-	-	RNP APCH
003	TF	NIDES	-	295 (291.5)	+3.5	6.0	-	-	-	-	RNP APCH
004	TF	TISCA	-	295 (291.5)	+3.5	6.0	-	-	-210	-	RNP APCH
005	TF	ADOKI	-	295 (291.4)	+3.5	4.0	-	-	-	-	RNP APCH
006	TF	LP09S	-	340 (336.4)	+3.5	3.0	-	+2500	-190	-	RNP APCH
007	TF	LP6SE	-	025 (021.4)	+3.5	3.2	-	+2000	-	-	RNP APCH
008	TF	RW03R	Y	025 (021.4)	+3.5	5.8	-	+118	-	3.0/49	RNP APCH
009	CF	LP420	Y	025 (021.4)	+3.5	-	-	-	-	-	RNP APCH
010	DF	LP406	-	-	+3.5	-	R	-	-	-	RNP APCH
011	CA	-	-	056 (052.6)	+3.5	-	-	+3000	-210	-	RNP APCH
012	VM	-	-	056 (052.6)	+3.5	-	-	@3000	-	-	RNP APCH
MISSED APCH COMMUNICATIONS FAILURE											
009	CF	LP420	Y	025 (021.4)	+3.5	-	-	-	-	-	RNP APCH
010	DF	LP406	-	-	+3.5	-	R	-	-	-	RNP APCH
011	TF	SUFEM	-	056 (052.6)	+3.5	7.5	-	@3000	-210	-	RNP APCH
012	TF	NINGU	-	143 (139.8)	+3.5	4.9	-	-	-	-	RNP APCH
013	TF	ENETA	-	143 (139.8)	+3.5	4.9	-	@4000	-220	-	RNP APCH

DESCRIPCIÓN TABULAR DEL PROCEDIMIENTO 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)	Navigation specification
LPC (IAF)											
001	IF	LPC	-	-	+3.5	-	-	+FL075	-210	-	RNP APCH
002	TF	LP415	-	115 (111.4)	+3.5	6.2	-	+6000	-	-	RNP APCH
003	TF	TISCA	-	205 (201.4)	+3.5	5.3	-	-	-	-	RNP APCH
004	TF	ADOKI	-	295 (291.4)	+3.5	4.0	-	-	-	-	RNP APCH
005	TF	LP09S	-	340 (336.4)	+3.5	3.0	-	+2500	-190	-	RNP APCH
006	TF	LP6SE	-	025 (021.4)	+3.5	3.2	-	+2000	-	-	RNP APCH
007	TF	RW03R	Y	025 (021.4)	+3.5	5.8	-	+118	-	3.0/49	RNP APCH
008	CF	LP420	Y	025 (021.4)	+3.5	-	-	-	-	-	RNP APCH
009	DF	LP406	-	-	+3.5	-	R	-	-	-	RNP APCH
010	CA	-	-	056 (052.6)	+3.5	-	-	+3000	-210	-	RNP APCH
011	VM	-	-	056 (052.6)	+3.5	-	-	@3000	-	-	RNP APCH
MISSED APCH COMMUNICATIONS FAILURE											
010	CF	LP420	Y	025 (021.4)	+3.5	-	-	-	-	-	RNP APCH
011	DF	LP406	-	-	+3.5	-	R	-	-	-	RNP APCH
012	TF	SUFEM	-	056 (052.6)	+3.5	7.5	-	@3000	-210	-	RNP APCH
013	TF	NINGU	-	143 (139.8)	+3.5	4.9	-	-	-	-	RNP APCH
014	TF	ENETA	-	143 (139.8)	+3.5	4.9	-	@4000	-220	-	RNP APCH

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)	Navigation specification
TOMOS (IAF)											
001	IF	TOMOS	-	-	+3.5	-	-	+5000	-220	-	RNP APCH
002	TF	DRANO	-	024 (020.9)	+3.5	6.9	-	-	-	-	RNP APCH
003	TF	LP09S	-	025 (021.6)	+3.5	7.9	-	+2500	-190	-	RNP APCH
004	TF	LP6SE	-	025 (021.4)	+3.5	3.2	-	+2000	-	-	RNP APCH
005	TF	RW03R	Y	025 (021.4)	+3.5	5.8	-	+118	-	3.0/49	RNP APCH
006	CF	LP420	Y	025 (021.4)	+3.5	-	-	-	-	-	RNP APCH
007	DF	LP406	-	-	+3.5	-	R	-	-	-	RNP APCH
008	CA	-	-	056 (052.6)	+3.5	-	-	+3000	-210	-	RNP APCH
009	VM	-	-	056 (052.6)	+3.5	-	-	@3000	-	-	RNP APCH
MISSED APCH COMMUNICATIONS FAILURE											
010	CF	LP420	Y	025 (021.4)	+3.5	-	-	-	-	-	RNP APCH
011	DF	LP406	-	-	+3.5	-	R	-	-	-	RNP APCH
012	TF	SUFEM	-	056 (052.6)	+3.5	7.5	-	@3000	-210	-	RNP APCH
013	TF	NINGU	-	143 (139.8)	+3.5	4.9	-	-	-	-	RNP APCH
014	TF	ENETA	-	143 (139.8)	+3.5	4.9	-	@4000	-220	-	RNP APCH

HOLDING PATTERN

Path terminator	Waypoint identifier	Course/Track °M (°T)	Magnetic variation	Distance/ Outbound time	Turn direction	MNM altitude (ft)	MAX altitude (ft)	Speed (kt)	Navigation specification
HM	ENETA (1)	260 (256.4)	+3.5	1	R	5000	-	-220	RNAV1
HM	LALTO (3)	230 (226.4)	+3.5	1	L	5000	-	-220	RNAV1
HM	LPC (4)	024 (020.9)	+3.5	1	R	FL075	-	-210	RNAV1

Path terminator	Waypoint identifier	Course/Track °M (°T)	Magnetic variation	Distance/ Outbound time	Turn direction	MNM altitude (ft)	MAX altitude (ft)	Speed (kt)	Navigation specification
HM	TOMOS (5)	117 (114.0)	+3.5	1	L	5000	FL070	-220	RNAV1
(1) GNSS or (DME/DME) or (DME/DME/IRU) requerido //required; - DME LPC, GDV must be operational for (DME/DME). - DME LPC must be operational for (DME/DME/IRU). (2) Minimum altitude 4000 ft under ATC clearance and missed approach. (3) GNSS required. (4) GNSS or (DME/DME) REQUERIDO //REQUIRED; - DME GDV must be operational for (DME/DME). (5) GNSS or (DME/DME) REQUERIDO //REQUIRED; - DME LPC must be operational for (DME/DME).									

SBAS LPV FAS DATA BLOCK

FAS DATA BLOCK		
1	OPERATION MODE	00
2	SERVICE PROVIDER IDENTIFIER	1
3	AIRPORT IDENTIFIER	GCLP
4	RUNWAY	03R
5	APPROACH PERFORMANCE DESIGNATOR	0*
6	ROUTE INDICATOR	-
7	REFERENCE PATH DATA SELECTOR (RPDS)	0
8	REFERENCE PATH IDENTIFIER	E03B**
9	LANDING THRESHOLD POINT (LTP) – LATITUDE	275505.4630N
10	LANDING THRESHOLD POINT (LTP) – LONGITUDE	0152325.2725W
11	LTP HEIGHT ABOVE ELLIPSOID (HAE)	+00649 (64.9 m)
12	FLIGHT PATH ALIGNMENT POINT (FPAP) – LATITUDE	275639.1985N
13	FLIGHT PATH ALIGNMENT POINT (FPAP) – LONGITUDE	0152243.8575W
14	THRESHOLD CROSSING HEIGHT (TCH)	00015.0
15	TCH UNIT SELECTOR	M
16	GLIDE PATH ANGLE	03.00
17	COURSEWIDTH AT THRESHOLD	105.00
18	LENGTH OFFSET	0
19	HORIZONTAL ALERT LIMIT (HAL)	40
20	VERTICAL ALERT LIMIT (VAL)	50
21	PRECISION APPROACH PATH POINT CRC REMINDER	3D92FB87
-		
NON FAS DATA BLOCK		
22	ICAO CODE	GC
23	LTP ORTHOMETRIC HEIGHT	+00210 (21.0 m)
NOTES: *: LPV “E” refers to EGNOS.		