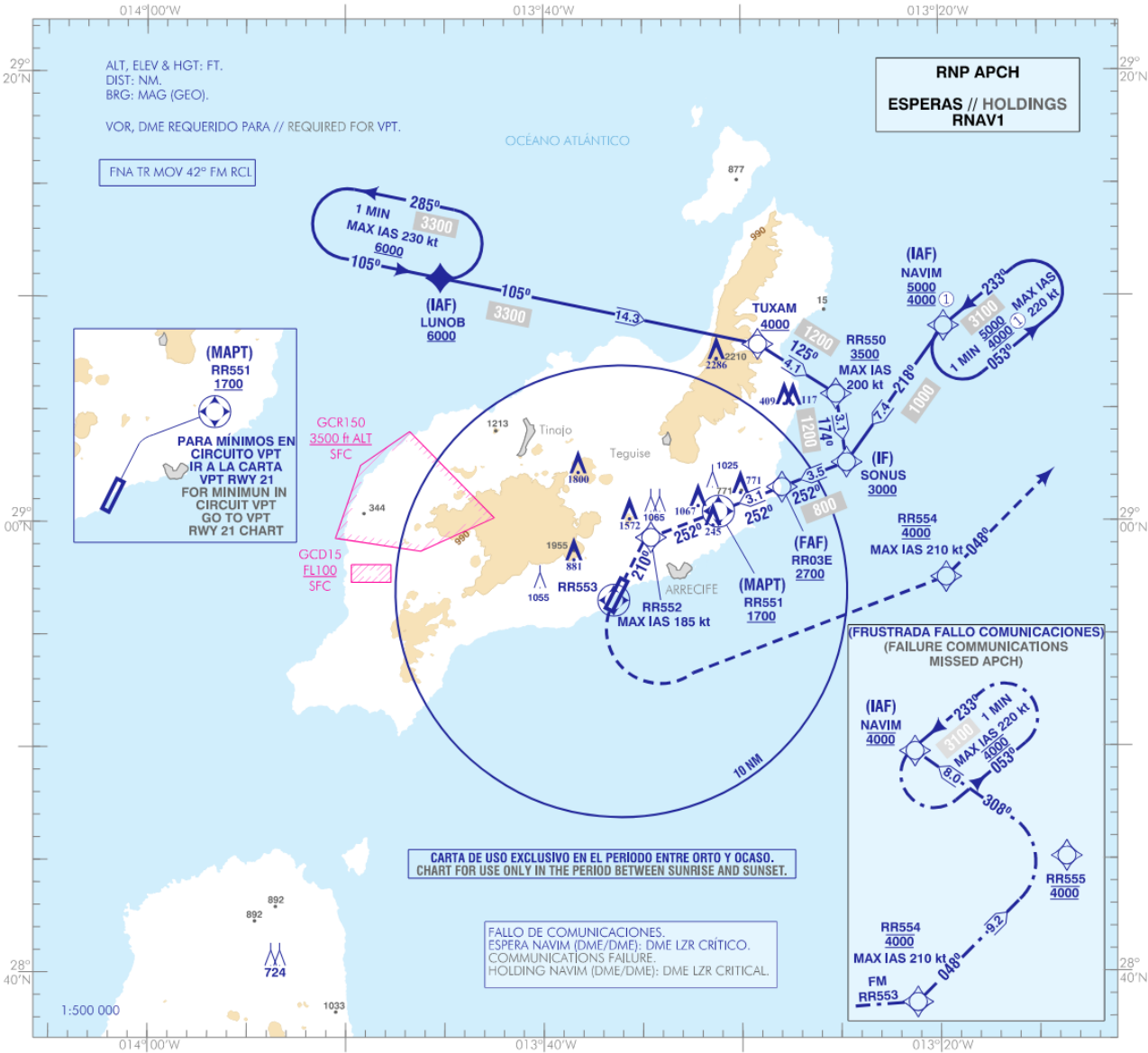


CARTA DE APROXIMACIÓN
POR INSTRUMENTOS-OACI

ELEV AD
48 ft
VAR 3°W (2025)

APP 129.300 MHz
TWR 120.700 MHz
GMC 121.800 MHz
ATIS 118.625 MHz

LANZAROTE/César Manrique Lanzarote
RNP
RWY 21



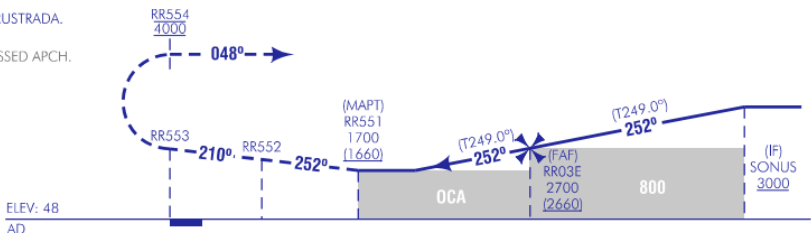
FRUSTRADA: SUBIR HASTA RR552 EN RUMBO MAGNÉTICO 252°. VIRAR A LA IZQUIERDA (IAS MAX 185 kt) HASTA RR553 EN RUMBO MAGNÉTICO 210°. VIRAR A LA IZQUIERDA (IAS MAX 210 kt) DIRECTO A RR554, A 4000. CONTINUAR EN DERROTA MAGNÉTICA 048° Y ESPERAR VECTORES RADAR.

FRUSTRADA FALLO COMUNICACIONES: SUBIR HASTA RR552 EN RUMBO MAGNÉTICO 252°. VIRAR A LA IZQUIERDA (IAS MAX 185 kt) HASTA RR553 EN RUMBO MAGNÉTICO 210°. VIRAR A LA IZQUIERDA (IAS MAX 210 kt) DIRECTO A RR554, A 4000 A RR555, A 4000 A NAVIM, A 4000 PARA INTEGRARSE A LA ESPERA.

MISSED APCH: CLIMB UP TO RR552 MAGNETIC HEADING 252°. TURN LEFT (MAX IAS 185 kt) TO RR553 IN MAGNETIC HEADING 210°. TURN LEFT (MAX IAS 210 kt) DIRECT TO RR554, AT 4000. CONTINUE ON MAGNETIC TRACK 048° AND WAIT FOR RADAR VECTORIZING.

FAILURE COMMUNICATIONS MISSED APCH: CLIMB UP TO RR552 ON MAGNETIC HEADING 252°. TURN LEFT (MAX IAS 185 kt) UP TO RR553 IN MAGNETIC HEADING 210°, TURN LEFT (MAX IAS 210 kt) DIRECT TO RR554, AT 4000 AT RR555, AT 4000 AT NAVIM, AT 4000 TO JOIN THE HOLDING.

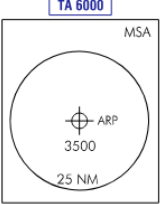
NOTAS:
① CON AUTORIZACIÓN ATC Y FRUSTRADA.
NOTES:
① WITH ATC CLEARANCE AND MISSED APCH.



HGT REF ELEV AD		OCA/H			
STA	LNAV	2.5%	A	B	C D
En circuito VPT RWY 21 (H) sobre AD Circling VPT RWY 21 (H) over AD					
			1700 (1660)		

GS	kt	80	100	120	140	160	180
FAF-THR:	mins						
FAF-MAPT:	mins						
ROD:	ft/min						

ALT/HGT DME () FNA												
13	12	11	10	9	8	7	6	5	4	3	2	1



MOCA, AD ELEVATION, CONTROLLING OBSTACLES, HOLDING OUTBOUND TIME, NO CIRCLING.

CHANGES

AERONAUTICAL DATABASE REQUIREMENTS

INSTRUMENT APPROACH PROCEDURES

RNP RWY 21

WAYPOINTS COORDINATES

WPT	COORD
LUNOB (IAF)	291048.0N 0134512.0W
NAVIM (IAF)	290839.6N 0131946.4W
RR03E (FAF)	290121.3N 01328 24.3W
RR550	290538.7N 0132512.6W
RR551 (MAPt)	290014.5N 0133142.4W
RR552	285909.9N 0133454.0W
RR553	285629.1N 01336272W
RR554	285731.0N 0131940.0W
RR555	290402.1N 0131214.6W
SONUS (IF)	290236.7N 0132440.6W
TUXAM	290750.8N 0132909.7W
Non-precision final approach (LNAV) - Slope (Descent angle)	–

CRITICAL DME		
FACILITY (ID)	FREQ/CH	COORD
LZR DME	115.2 / 99X	290956.4346 N 0133039.5646 W

NOTES APPLICABLE TO ALL APPROACHES:

- RNP APCH.
- Speed control:
 - Unless otherwise instructed by ATC, cross:
 - IAS 220 kt over IAF LUNOV, NAVIM;
 - IAS 200 kt over RR550, IF SONUS;
 - IAS 170 kt over RR03E;
 - IAS 160 kt over RR551.
 - If unable to comply, advise ATC on first contact.

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
LUNOB (IAF)											
001	IF	LUNOB	–	–	+2.8	–	–	+6000	–	–	RNP APCH
002	TF	TUXAM	–	105 (101.8)	+2.8	14.3	–	+4000	–	–	RNP APCH
003	TF	RR550	–	125 (122.4)	+2.8	4.1	–	+3500	-200	–	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)	Navegation specification
004	TF	SONUS	–	174 (171.2)	+2.8	3.1	–	+3000	–	–	RNP APCH
005	TF	RR03E	–	252 (249.0)	+2.8	3.5	–	+2700	–	–	RNP APCH
006	TF	RR551	Y	252 (249.0)	+2.8	3.1	–	+1700	–	–	RNP APCH
007	CF	RR552	–	252 (249.0)	+2.8	–	–	–	-185	–	RNP APCH
008	CF	RR553	Y	210 (207.0)	+2.8	–	–	–	–	–	RNP APCH
009	DF	RR554	–	–	+2.8	–	L	@4000	-210	–	RNP APCH
010	FM	RR554	–	048 (045.0)	+2.8	–	–	@4000	–	–	RNP APCH
MISSED APCH COMMUNICATIONS FAILURE											
007	CF	RR552	–	252 (249.0)	+2.8	–	–	–	-185	–	RNP APCH
008	CF	RR553	Y	210 (207.0)	+2.8	–	–	–	–	–	RNP APCH
009	DF	RR554	–	–	+2.8	–	L	@4000	-210	–	RNP APCH
010	TF	RR555	–	048 (045.0)	+2.8	9.2	–	@4000	–	–	RNP APCH
011	TF	NAVIM	–	308 (305.0)	+2.8	8.0	–	@4000	–	–	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)	Navegation specification
NAVIM (IAF)											
001	IF	NAVIM	–	–	+2.8	–	–	+5000 (1)	–	–	RNP APCH
002	TF	SONUS	–	218 (215.5)	+2.8	7.4	–	+3000	–	–	RNP APCH
003	TF	RR03E	–	252 (249.0)	+2.8	3.5	–	+2700	–	–	RNP APCH
004	TF	RR551	Y	252 (249.0)	+2.8	3.1	–	+1700	–	–	RNP APCH
005	CF	RR552	-	252 (249.0)	+2.8	–	–	–	-185	–	RNP APCH
006	CF	RR553	Y	210 (207.0)	+2.8	–	–	–	–	–	RNP APCH
007	DF	RR554	–	–	+2.8	–	L	@4000	-210	–	RNP APCH
008	FM	RR554	–	048 (045.0)	+2.8	–	–	@4000	–	–	RNP APCH
MISSED APCH COMMUNICATIONS FAILURE											
005	CF	RR552	–	252 (249.0)	+2.8	–	–	–	-185	–	RNP APCH
006	CF	RR553	Y	210 (207.0)	+2.8	–	–	–	–	–	RNP APCH
007	DF	RR554	–	–	+2.8	–	L	@4000	-210	–	RNP APCH
008	TF	RR555	–	048 (045.0)	+2.8	9.2	–	@4000	–	–	RNP APCH
009	TF	NAVIM	–	308 (305.0)	+2.8	8.0	–	@4000	–	–	RNP APCH

HOLDING PATTERN

Path terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (nm)	Turn direction	MNM altitude (ft)	MAX altitude (ft)	Speed (kt)	Navegation specification
HM	LUNOB	–	105 (101.8)	+2.8	4.3	L	6000	–	-230	RNAV1
HM	NAVIM (1)	–	233 (230.7)	+2.8	4.0	L	5000 (1)	–	-220	RNAV1
(1) +4000 with ATC clearance and missed APCH.										