

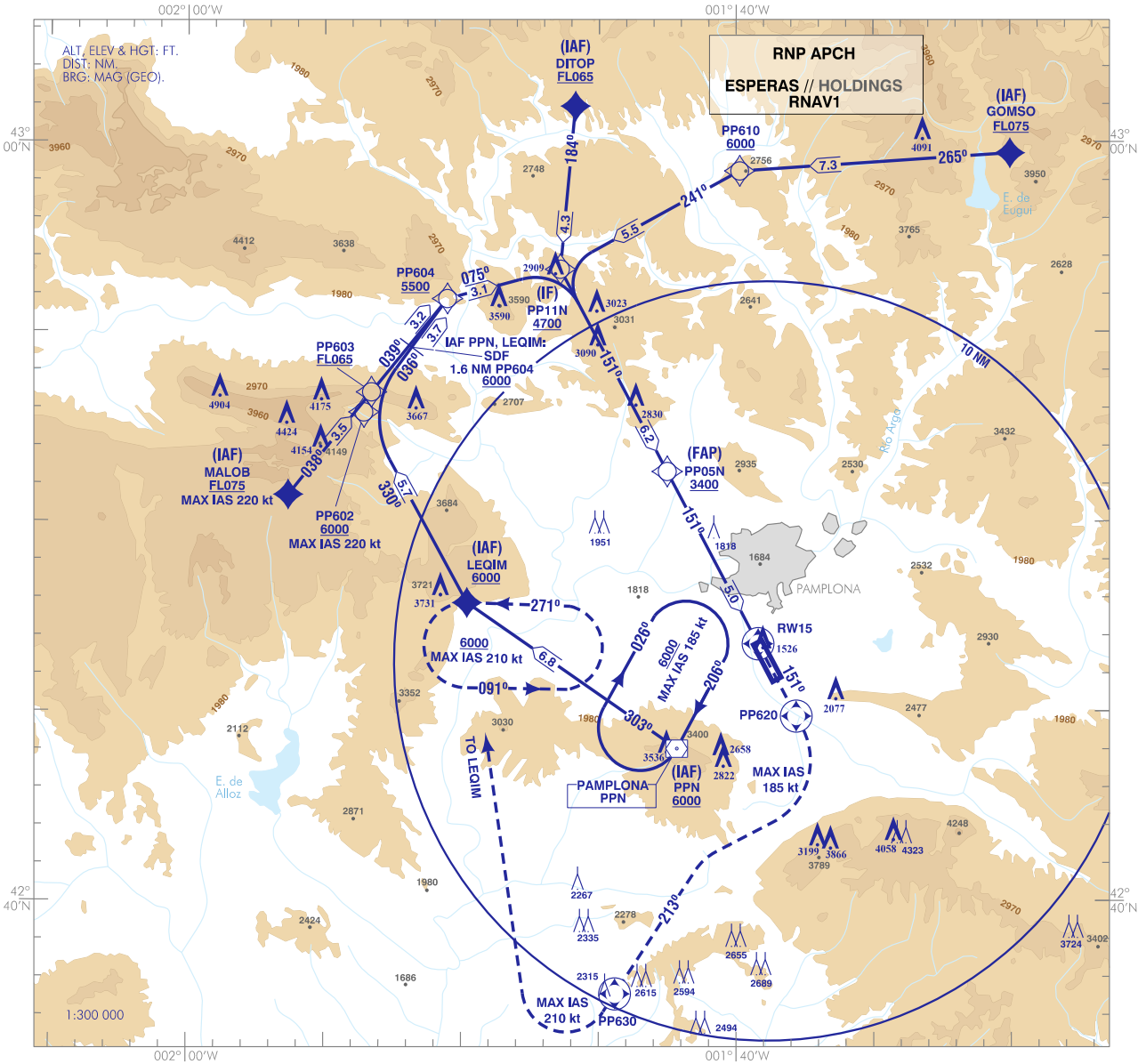
CARTA DE APROXIMACIÓN
POR INSTRUMENTOS-OACI

EGNOS
CH 45340
E15B

ELEV AD
1506 ft
VAR 1°E (2025)

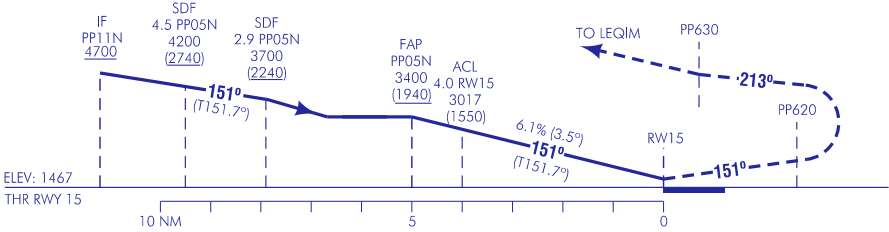
APP/TWR 118.200 MHz
GMC 121.705 C

PAMPLONA
RNP X
RWY 15 (LPV ONLY)



FRUSTRADA: SUBIR EN CURSO MAGNÉTICO 151° HASTA PP620. VIRAR A LA DERECHA (IAS MAX 185 kt) PARA SEGUIR CURSO MAGNÉTICO 213° HASTA PP630. VIRAR A LA DERECHA (IAS MAX 210 kt) DIRECTO A LEQIM, ASCIENDIENDO A 6000 PARA INTEGRARSE EN LA ESPERA.

MISSED APCH: CLIMB ON MAGNETIC COURSE 151° UP TO PP620. TURN RIGHT (MAX IAS 185 kt) TO FOLLOW MAGNETIC COURSE 213° UP TO PP630. TURN RIGHT (MAX IAS 210 kt) DIRECT TO LEQIM, CLIMBING TO 6000 TO JOIN THE HOLDING.



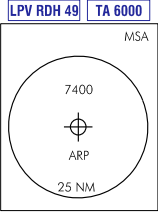
OBSTACLES

CHANGES:

HGT REF ELEV THR RWY 15									
OCA/H		A		B		C		D	
STA	LPV (CAT II)	2.5%	2468 (1001)	2482 (1015)	2492 (1025)	2505 (1038)			
		4.0%	2075 (608)	2089 (622)	2099 (632)	2112 (645)			
		5.0%	1888 (421)	1902 (435)	1912 (445)	1925 (458)			
En circuito (H) sobre Circling (H) over		1506	2470 (970)	3010 (1510)	3960 (2460)	4470 (2970)			

GS	kt	80	100	120	140	160	180
FAP-THR: 5.0 NM	mins	3:45	3:00	2:30	2:09	1:53	1:40
FAF-MAPT:	mins						
ROD: 6.1 %	ft/min	496	619	743	867	991	1115

ALT/HGT RWY15 FNA												
13	12	11	10	9	8	7	6	5	4	3	2	1
								3400 (1930)	3020 (1550)	2640 (1180)		



AERONAUTICAL DATABASE REQUIREMENTS

INSTRUMENT APPROACH PROCEDURES

RNP X RWY 15 (LPV ONLY)

WAYPOINTS COORDINATES

WPT	COORD
DITOP (IAF)	430056.1N 0014551.7W
GOMSO (IAF)	425942.4N 0013000.0W
LEQIM (IAF)	424751.0N 0014948.0W
MALOB (IAF)	425041.8N 0015619.2W
PP05N (FAP)	425111.2N 0014225.0W
PP11N (IF)	425638.4N 0014624.5W
PP602	425252.0N 0015334.0W
PP603	425323.9N 0015317.6W
PP604	425551.7N 0015031.6W
PP610	425914.0N 0013952.0W
PP620	424452.1N 0013748.5W
PP630	423732.7N 0014424.4W
PPN (IAF)	424401.5N 0014207.2W
RW15 (LTP)	424646.4N 0013911.7W
Final approach (SBAS Cat. I) - Slope (Descent angle)	6.12% (3.50°)

NOTES APPLICABLE TO ALL APPROACH:

- RNP APCH.

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
DITOP (IAF)											
001	IF	DITOP	-	-	-1.0	-	-	+FL065	-	-	RNP APCH
002	TF	PP11N	-	184 (185.3)	-1.0	4.3	-	+4700	-	-	RNP APCH
003	TF	PP05N	-	151 (151.7)	-1.0	6.2	-	+3400	-	-	RNP APCH
004	TF	RW15	Y	151 (151.7)	-1.0	5.0	-	+1517	-	-3.5/49	RNP APCH
005	CF	PP620	Y	151 (151.8)	-1.0	-	-	-	-	-	RNP APCH
006	CF	PP630	Y	213 (213.8)	-1.0	-	-	-	-185	-	RNP APCH
007	DF	LEQIM	-	-	-1.0	-	R	-	-210	-	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
GOMSO (IAF)											
001	IF	GOMSO	-	-	-1.0	-	-	+FL075	-	-	RNP APCH
002	TF	PP610	-	265 (266.3)	-1.0	7.3	-	+6000	-	-	RNP APCH
003	TF	PP11N	-	241 (241.7))	-1.0	5.5	-	+4700	-	-	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	PP05N	-	151 (151.7)	-1.0	6.2	-	+3400	-	-	RNP APCH
005	TF	RW15	Y	151 (151.7)	-1.0	5.0	-	+1517	-	-3.5/49	RNP APCH
006	CF	PP620	Y	151 (151.8)	-1.0	-	-	-	-	-	RNP APCH
007	CF	PP630	Y	213 (213.8)	-1.0	-	-	-	-185	-	RNP APCH
008	DF	LEQIM	-	-	-1.0	-	R	-	-210	-	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
LEQIM (IAF)											
001	IF	LEQIM	-	-	-1.0	-	-	+6000	-	-	RNP APCH
002	TF	PP602	-	330 (331.1)	-1.0	5.7	-	+6000	-220	-	RNP APCH
003	TF	PP604	-	036 (036.7)	-1.0	3.7	-	+5500	-	-	RNP APCH
004	TF	PP11N	-	075 (075.6)	-1.0	3.1	-	+4700	-	-	RNP APCH
005	TF	PP05N	-	151 (151.7)	-1.0	6.2	-	+3400	-	-	RNP APCH
006	TF	RW15	Y	151 (151.7)	-1.0	5.0	-	+1517	-	-3.5/49	RNP APCH
007	CF	PP620	Y	151 (151.8)	-1.0	-	-	-	-	-	RNP APCH
008	CF	PP630	Y	213 (213.8)	-1.0	-	-	-	-185	-	RNP APCH
009	DF	LEQIM	-	-	-1.0	-	R	-	-210	-	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
MALOB (IAF)											
001	IF	MALOB	-	-	-1.0	-	-	+FL075	-220	-	RNP APCH
002	TF	PP603	-	038 (039.5)	-1.0	3.5	-	+FL065	-	-	RNP APCH
003	TF	PP604	-	039 (039.5)	-1.0	3.2	-	+5500	-	-	RNP APCH
004	TF	PP11N	-	075 (075.6)	-1.0	3.1	-	+4700	-	-	RNP APCH
005	TF	PP05N	-	151 (151.7)	-1.0	6.2	-	+3400	-	-	RNP APCH
006	TF	RW15	Y	151 (151.7)	-1.0	5.0	-	+1517	-	-3.5/49	RNP APCH
007	CF	PP620	Y	151 (151.8)	-1.0	-	-	-	-	-	RNP APCH
008	CF	PP630	Y	213 (213.8)	-1.0	-	-	-	-185	-	RNP APCH
009	DF	LEQIM	-	-	-1.0	-	R	-	-210	-	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
PPN (IAF)											
001	IF	PPN	-	-	-1.0	-	-	+6000	-	-	RNP APCH
002	TF	LEQIM	-	303 (304.1)	-1.0	6.8	-	-	-	-	RNP APCH
003	TF	PP602	-	330 (331.1)	-1.0	5.7	-	+6000	-220	-	RNP APCH
004	TF	PP604	-	036 (036.7)	-1.0	3.7	-	+5500	-	-	RNP APCH
005	TF	PP11N	-	075 (075.6)	-1.0	3.1	-	+4700	-	-	RNP APCH
006	TF	PP05N	-	151 (151.7)	-1.0	6.2	-	+3400	-	-	RNP APCH
007	TF	RW15	Y	151 (151.7)	-1.0	5.0	-	+1517	-	-3.5/49	RNP APCH
008	CF	PP620	Y	151 (151.8)	-1.0	-	-	-	-	-	RNP APCH
009	CF	PP630	Y	213 (213.8)	-1.0	-	-	-	-185	-	RNP APCH
010	DF	LEQIM	-	-	-1.0	-	R	-	-210	-	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	PPN	206 (207.0)	-1.0	1 MIN	R	6000	-	-185	RNAV1
HM	LEQIM (1)	271 (272.0)	-1.0	1 MIN	L	6000	-	-210	RNAV1
(1) RNAV 1									

SBAS LPV FAS DATA BLOCK

FAS DATA BLOCK		
1	OPERATION MODE	00
2	SERVICE PROVIDER IDENTIFIER	01
3	AIRPORT IDENTIFIER	LEPP
4	RUNWAY	15
5	APPROACH PERFORMANCE DESIGNATOR	0*
6	ROUTE INDICATOR	X
7	REFERENCE PATH DATA SELECTOR (RPDS)	00
8	REFERENCE PATH IDENTIFIER	E15B**
9	LANDING THRESHOLD POINT (LTP) – LATITUDE	424646.3580N
10	LANDING THRESHOLD POINT (LTP) – LONGITUDE	0013911.7055W
11	LTP HEIGHT ABOVE ELLIPSOID (HAE)	+004971 (497.1 m)
12	FLIGHT PATH ALIGNMENT POINT (FPAP) – LATITUDE	424542.1815N
13	FLIGHT PATH ALIGNMENT POINT (FPAP) – LONGITUDE	0013824.9455W
14	THRESHOLD CROSSING HEIGHT (TCH)	15.0
15	TCH UNIT SELECTOR	1
16	GLIDE PATH ANGLE	03.50
17	COURSE WIDTH AT THRESHOLD	105.00
18	LENGTH OFFSET	40
19	HORIZONTAL ALERT LIMIT (HAL)	40.0
20	VERTICAL ALERT LIMIT (VAL)	35.0
21	PRECISION APPROACH PATH POINT CRC REMINDER	344CEFD3
NON FAS DATA BLOCK		
22	ICAO CODE	LE
23	LTP ORTHOMETRIC HEIGHT	+004472 (447.2 m)
NOTES: *: LPV CAT I. **: "E" refers to EGNOS.		