



STANDARD INSTRUMENT DEPARTURES (SID)

RUNWAY 12

AMTOS FIVE BRAVO DEPARTURE (AMTOS5B)

Climb on runway heading direct to cross LUKEP. Turn left (turning MAX IAS 210 kt) to follow R-081 BLV direct to cross DVOR/DME BLV at 5000 ft or above. Proceed on R-3215 BLV direct to cross AMTOS at FL100 or above.

Minimum climb gradient of 7.0% up to 3200 ft.

Initial clearance: FL080, except ATC clearance.

AMTOS FIVE DELTA DEPARTURE (AMTOS5D)

Climb on runway heading direct to cross LUKEP. Turn right to follow arc 11.0 DME BLV to R-204 BLV. Turn left to follow R-215 BLV direct to cross AMTOS at FL100 or above.

Minimum climb gradient of 7.0% up to 6200 ft.

Initial clearance: FL080, except ATC clearance.

BISKA FIVE BRAVO DEPARTURE (BISKA5B)

Climb on runway heading direct to cross LUKEP. Turn left to proceed on arc 10.0 DME BLV to R-023 BLV. Turn right to follow R-011 BLV direct to cross BISKA at FL100 or above.

Minimum climb gradient of 7.0% up to 4500 ft.

Initial clearance: FL080, except ATC clearance.

CALCE FIVE BRAVO DEPARTURE (CALCE5B)

Climb on runway heading direct to cross LUKEP. Turn left (turning MAX IAS 210 kt) to follow R-081 BLV direct to cross DVOR/DME BLV at 5000 ft or above. Proceed on R-281 BLV direct to CALCE.

Minimum climb gradient of 7.0% up to 3200 ft.

Initial clearance: FL080, except ATC clearance.

DOSUL FOUR BRAVO DEPARTURE (DOSUL4B)

Climb on runway heading direct to cross LUKEP. Turn left to proceed on arc 10.0 DME BLV to R-334 BLV. Turn right to follow R-322 BLV direct to cross DOSUL at FL100 or above.

Minimum climb gradient of 7.0% up to 4500 ft.

Initial clearance: FL080, except ATC clearance.

MAPAX FOUR BRAVO DEPARTURE (MAPAX4B)

Climb on runway heading direct to cross LUKEP. Turn left to proceed on arc 10.0 DME BLV to R-359 BLV. Turn right to follow R-347 BLV direct to cross MAPAX at FL100 or above.

Minimum climb gradient of 7.0% up to 4500 ft.

Initial clearance: FL080, except ATC clearance.

PAMPLONA THREE GOLF DEPARTURE (PPN3G)

Climb on runway heading direct to cross LUKEP. Turn left (turning MAX IAS 210 kt) to follow magnetic heading 041°. Turn right to follow R-088 BLV direct to FEBRI. Turn right to follow R-323 PPN direct to DVOR/DME PPN.

Minimum climb gradient of 7.0% up to 5000 ft.

Initial clearance: FL080, except ATC clearance.

PAMPLONA TWO HOTEL DEPARTURE (PPN2H)

Climb on runway heading direct to cross LUKEP. Turn right to follow R-121 BLV direct to CEGAM. Direct to MALOB. Direct to DVOR/DME PPN.

Minimum climb gradient of 7.0% up to 5000 ft.

Initial clearance: FL080, except ATC clearance.

SAN SEBASTIÁN THREE BRAVO DEPARTURE (SSN3B)

Climb on runway heading direct to cross LUKEP. Turn left (turning MAX IAS 210 kt) to follow magnetic heading 041°. Turn right to follow R-088 BLV direct to FEBRI. Direct to DVOR/DME SSN.

Minimum climb gradient of 7.0% up to 5000 ft.

Initial clearance: FL080, except ATC clearance.

CONTINGENCY DEPARTURE

In the event of failure of one or more nav aids on which the departures from RWY 12 are based on, the following procedure shall be carried out:

Climb on magnetic heading 101° to reach 6000 ft AMSL. Wait for ATC instructions.

Minimum climb gradient of 9.0% to 6000 ft AMSL.

In case of communications failure, proceed according to the established in section ENR 1.8, item 8 “Air-ground communications failure” in AIP-ESPAÑA.

CLOSE-IN OBSTACLES WHICH PENETRATE THE OIS

OBST	RWY	LAT	LONG	HGT (ft)	ELEV (ft)
Antenna	12	431737.6N	0025308.8W	85	242
Antenna	12	431738.2N	0025310.0W	78	236
Antenna	12	431737.5N	0025308.8W	79	237
Antenna	12	431735.5N	0025310.2W	91	235
Tree	12	431745.4N	0025320.0W	69	207
Antenna	12	431736.7N	0025310.1W	83	232
Antenna	12	431734.5N	0025241.7W	182	279
Tree	12	431739.6N	0025316.6W	77	212
Illumination System	12	431734.6N	0025241.7W	179	275
Antenna	12	431736.5N	0025307.7W	66	229
Antenna	12	431734.6N	0025308.2W	86	228
Antenna	12	431735.9N	0025310.6W	77	223
Building	12	431737.4N	0025308.6W	64	223
Tree	12	431746.1N	0025329.9W	71	176
Building	12	431737.6N	0025308.7W	61	219
Building	12	431737.5N	0025308.2W	61	222
Building	12	431738.5N	0025310.1W	59	217
Building	12	431734.5N	0025241.6W	172	288
Antenna	12	431743.5N	0025312.8W	45	206
Building	12	431744.8N	0025316.3W	45	196

OBST	RWY	LAT	LONG	HGT (ft)	ELEV (ft)
Building	12	431738.9N	0025307.7W	56	219
Tree	12	431743.2N	0025321.1W	60	189
Antenna	12	431734.7N	0025310.4W	80	216
Antenna	12	431733.4N	0025308.9W	87	218
Tree	12	431743.3N	0025320.7W	56	188
Tree	12	431740.0N	0025313.5W	55	202
Building	12	431738.5N	0025308.5W	54	214
Building	12	431743.6N	0025313.1W	37	198
Tree	12	431742.2N	0025322.5W	62	184
Antenna	12	431739.7N	0025307.9W	41	210
Tree	12	431744.2N	0025328.5W	63	169
Tree	12	431744.1N	0025325.7W	58	173
Antenna	12	431734.0N	0025308.0W	72	213
Chimney	12	431743.7N	0025314.8W	32	190
Building	12	431725.5N	0025310.2W	60	206
Antenna	12	431741.9N	0025315.3W	41	191
Antenna	12	431743.7N	0025314.7W	32	189
Tree	12	431740.1N	0025317.7W	56	188
Obstacle Light	12	431734.9N	0025241.5W	185	282
Terrain	12	431742.9N	0025305.4W	-	171

SIGNIFICANT OBSTACLES

OBST	RWY	LAT	LONG	HGT (ft)	ELEV (ft)
Vegetation	12	431551.2N	0025059.8W	73	774
Vegetation	12	431539.0N	0025093.1W	75	935
Terrain	12	431523.0N	0025016.8W	-	1188
Vegetation	12	431631.3N	0024425.3W	55	1880
Building	12	431631.4N	0024427.4W	27	1853
Terrain	12	430409.2N	0024749.3W	-	4275
Terrain	12	430843.2N	0024145.3W	-	3291
Terrain	12	431826.2N	0025015.2W	-	1034
Vegetation	12	431814.8N	0024951.6W	79	1123
Vegetation	12	431806.3N	0025126.2W	91	670