



WAYPOINTS COORDINATES

WPT	COORD
AMTOS	425906.6N 0031336.7W
BB400	431746.0N 0025108.1W
BB401	430755.3N 0025100.9W
BB402	430914.4N 0030408.0W
BB403	432253.9N 0024228.9W
BB404	432901.2N 0025222.6W
BB405	432901.1N 0025839.8W
BB406	432702.1N 0030436.7W
BB407	431818.6N 0023407.2W
BLV	431815.1N 0025531.3W
CALCE	432145.8N 0031900.0W
DOSUL	434050.0N 0031900.0W
ICASO	431833.6N 0021928.3W
MAPAX	434101.5N 0030238.7W
OXERA	431410.0N 0024511.0W
PPN	424401.5N 0014207.2W
SSN	431840.3N 0014949.4W
XIZCA	433918.1N 0024915.4W

STANDARD INSTRUMENT DEPARTURES (SID)

RUNWAY 10

NOTES APPLICABLE TO ALL SID:

- RNAV1.
- GNSS or (DME/DME/IRU) required.
- SPEED CONTROL:
 - MAX IAS 250 kt below FL100.

CONTINGENCY DEPARTURE (ODP).

LEBB ONE ROMEO (LEBB1R). TACTICAL USE ONLY. UNPLANNED.

Departing aircraft without RNAV1 operational approval that intend to follow an RNAV1-exclusive departure routing shall notify Bilbao TWR by voice as soon as possible and will be instructed to proceed in accordance with this contingency departure

Climb on runway heading up to reach 5500 ft AMSL.

Await for ATC instructions.

Minimum climb gradient of 8.4% up to 5500 ft AMSL.

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
AMTOS4R Minimum climb gradient of 7.0% up to BB401.											
001	CF	BB400	Y	096 (096.6)	-0.7	-	-	-	-	-	RNAV1
002	CF	OXERA	Y	137 (138.0)	-0.7	-	-	-	-	-	RNAV1
003	DF	BB401	-	-	-0.7	-	R	-	-210	-	RNAV1
004	TF	BB402	-	277 (277.9)	-0.7	9.7	-	-	-	-	RNAV1
005	TF	AMTOS	-	214 (214.5)	-0.7	12.3	-	+FL100	-	-	RNAV1

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
CALCE5R Minimum climb gradient of 7.0% up to BLV.											
001	CF	BB400	Y	096 (096.6)	-0.7	-	-	-	-	-	RNAV1
002	CF	OXERA	Y	137 (138.0)	-0.7	-	-	-	-	-	RNAV1
003	DF	BLV	-	-	-0.7	-	L	-	-210	-	RNAV1
004	TF	CALCE	-	281 (281.7)	-0.7	17.5	-	+FL080	-	-	RNAV1

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
DOSUL4R Minimum climb gradient of 7.0% up to BB403.											
001	CF	BB400	Y	096 (096.6)	-0.7	-	-	-	-	-	RNAV1
002	CF	OXERA	Y	137 (138.0)	-0.7	-	-	-	-	-	RNAV1
003	DF	BB403	-	-	-0.7	-	L	-	-210	-	RNAV1
004	TF	BB404	-	310 (310.4)	-0.7	9.5	-	-	-	-	RNAV1
005	TF	BB405	-	269 (270.0)	-0.7	4.6	-	-	-	-	RNAV1
006	TF	BB406	-	245 (245.4)	-0.7	4.8	-	-	-	-	RNAV1
007	TF	DOSUL	-	322 (322.9)	-0.7	17.3	-	+FL100	-230	-	RNAV1

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
MAPAX4R Minimum climb gradient of 7.0% up to BB403.											
001	CF	BB400	Y	096 (096.6)	-0.7	-	-	-	-	-	RNAV1
002	CF	OXERA	Y	137 (138.0)	-0.7	-	-	-	-	-	RNAV1
003	DF	BB403	-	-	-0.7	-	L	-	-210	-	RNAV1
004	TF	BB404	-	310 (310.4)	-0.7	9.5	-	-	-	-	RNAV1
005	TF	BB405	-	269 (270.0)	-0.7	4.6	-	-	-	-	RNAV1
006	TF	MAPAX	-	346 (346.5)	-0.7	12.3	-	+FL100	-230	-	RNAV1

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
PPN3R Minimum climb gradient of 7.0% up to BB407.											
001	CF	BB400	Y	096 (096.6)	-0.7	-	-	-	-	-	RNAV1
002	CF	OXERA	Y	137 (138.0)	-0.7	-	-	-	-	-	RNAV1
003	TF	BB407	-	062 (062.8)	-0.7	9.1	-	-	-210	-	RNAV1
004	TF	ICASO	-	088 (088.6)	-0.7	10.7	-	-	-	-	RNAV1
005	TF	PPN	-	141 (141.4)	-0.7	44.1	-	-	-	-	RNAV1

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
SSN3R Minimum climb gradient of 7.0% up to BB407.											
001	CF	BB400	Y	096 (096.6)	-0.7	-	-	-	-	-	RNAV1
002	CF	OXERA	Y	137 (138.0)	-0.7	-	-	-	-	-	RNAV1
003	TF	BB407	-	062 (062.8)	-0.7	9.1	-	-	-210	-	RNAV1
004	TF	ICASO	-	088 (088.6)	-0.7	10.7	-	-	-	-	RNAV1
005	TF	SSN	-	089 (089.5)	-0.7	21.6	-	-	-	-	RNAV1

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
XIZCA1R Minimum climb gradient of 7.0% up to BB403.											
001	CF	BB400	Y	096 (096.6)	-0.7	-	-	-	-	-	RNAV1
002	CF	OXERA	Y	137 (138.0)	-0.7	-	-	-	-	-	RNAV1
003	DF	BB403	-	-	-0.7	-	L	-	-210	-	RNAV1
004	TF	BB404	-	310 (310.4)	-0.7	9.5	-	-	-	-	RNAV1
005	TF	XIZCA	-	012 (012.4)	-0.7	10.5	-	+FL100	-	-	RNAV1

CLOSE-IN OBSTACLES WHICH PENETRATE THE OIS

OBS	RWY	LAT	LON	HGT (ft)	ELEV (ft)
LEBB-OBS-01313-000-2024	10	431807.5N	0025429.6W	53	197
LEBB-OBS-00443-003-2024	10	431816.6N	0025423.3W	37	83

SIGNIFICANT OBSTACLES

OBS	RWY	LAT	LON	HGT	ELEV
Terrain	10	431831.4N	0025026.4W	-	1090
Terrain	10	431729.6N	0024618.0W	-	1179
Terrain	10	431520.8N	0025019.5W	-	1261
Terrain	10	431632.1N	0024426.0W	-	1825
Terrain	10	431339.9N	0023530.7W	-	3344
Terrain	10	432215.3N	0024550.0W	-	2234
Terrain	10	430843.6N	0024144.7W	-	3277
Terrain	10	431033.2N	0024945.2W	-	2075
Terrain	10	430422.4N	0025155.4W	-	2968
Terrain	10	430426.8N	0024816.8W	-	3892
LEBB-OBS-00284-000-2024	10	431807.1N	0025443.6W	4	137
LEBB-OBS-00369-000-2024	10	431801.0N	0024941.2W	63	1103
LEBB-OBS-00518-000-2024	10	431639.6N	0024904.1W	103	871
LEBB-OBS-00547-001-2024	10	431805.6N	0025151.2W	122	336
LEBB-OBS-00547-002-2024	10	431810.8N	0025148.0W	109	418
LEBB-OBS-00547-003-2024	10	431812.5N	0025140.7W	111	438
LEBB-OBS-00547-004-2024	10	431815.5N	0025131.1W	111	435
LEBB-OBS-00547-005-2024	10	431811.4N	0025115.7W	97	557
LEBB-OBS-00547-006-2024	10	431814.4N	0025108.2W	96	531
LEBB-OBS-00549-002-2024	10	431745.0N	0025031.1W	119	535
LEBB-OBS-00549-003-2024	10	431755.6N	0025037.2W	113	545

OBS	RWY	LAT	LON	HGT	ELEV
LEBB-OBS-00549-004-2024	10	431801.9N	0025040.9W	119	584
LEBB-OBS-00549-005-2024	10	431813.2N	0025048.6W	119	602
LEBB-OBS-00549-006-2024	10	431820.0N	0025053.2W	119	654
LEBB-OBS-00598-000-2024	10	431754.6N	0025103.9W	83	623
LEBB-OBS-00603-000-2024	10	431640.0N	0024913.0W	120	872
LEBB-OBS-00608-000-2024	10	431440.9N	0024656.8W	70	1132
LEBB-OBS-00620-000-2024	10	431739.6N	0024912.3W	72	997
LEBB-OBS-00621-000-2024	10	431812.4N	0024926.6W	130	1177
LEBB-OBS-00622-000-2024	10	431751.7N	0024849.7W	94	1218
LEBB-OBS-00623-000-2024	10	431710.2N	0024749.2W	62	1117
LEBB-OBS-00624-000-2024	10	431700.0N	0024711.7W	92	1053
LEBB-OBS-00625-000-2024	10	431713.3N	0024550.5W	71	1281
LEBB-OBS-00626-000-2024	10	431730.6N	0024621.7W	92	1264
LEBB-OBS-00630-000-2024	10	431631.4N	0024427.4W	27	1853
LEBB-OBS-00631-000-2024	10	431631.3N	0024425.7W	60	1885
LEBB-OBS-00632-000-2024	10	431628.3N	0024406.0W	4	1839
LEBB-OBS-00633-000-2024	10	431750.4N	0024928.9W	70	1018
LEBB-OBS-00802-000-2024	10	431455.6N	0024941.8W	37	1277
LEBB-OBS-02617-000-2024	10	431818.0N	0025118.0W	61	626
LEBB-OBS-02619-000-2024	10	431806.3N	0025126.2W	95	674
LEBB-OBS-02620-000-2024	10	431749.9N	0025050.1W	124	652
LEBB-OBS-02621-000-2024	10	431740.9N	0025028.5W	111	559
LEBB-OBS-02627-000-2024	10	431748.4N	0024923.1W	133	1005
LEBB-OBS-02630-000-2024	10	431807.9N	0025027.2W	24	640
LEBB-OBS-02631-000-2024	10	431812.6N	0025033.3W	25	641
LEBB-OBS-02632-000-2024	10	431812.7N	0025034.0W	23	641
LEBB-OBS-02634-000-2024	10	431826.9N	0025033.6W	65	1079
LEBB-OBS-02635-000-2024	10	431818.5N	0025037.5W	24	740
LEBB-OBS-02636-000-2024	10	431818.4N	0025038.4W	24	735
LEBB-OBS-02637-000-2024	10	431818.7N	0025040.2W	18	725
LEBB-OBS-02641-000-2024	10	431822.9N	0025113.3W	106	605
LEBB-OBS-02989-000-2024	10	431817.3N	0025311.6W	89	325
LEBB-OBS-03602-000-2024	10	431807.2N	0025130.6W	90	651
LEBB-OBS-03604-000-2024	10	431812.0N	0025203.9W	100	422
LEBB-OBS-03735-000-2024	10	431802.2N	0025209.1W	62	309
LEBB-OBS-03736-000-2024	10	431801.2N	0025208.3W	51	299
LEBB-OBS-03737-000-2024	10	431800.6N	0025208.0W	62	307
LEBB-OBS-03739-000-2024	10	431804.7N	0025207.5W	54	312
LEBB-OBS-03740-000-2024	10	431805.4N	0025206.4W	55	318
LEBB-OBS-03741-000-2024	10	431802.9N	0025204.9W	74	324
LEBB-OBS-03742-000-2024	10	431804.1N	0025201.5W	65	309
LEBB-OBS-03743-000-2024	10	431804.5N	0025202.2W	51	300
LEBB-OBS-03744-001-2024	10	431759.5N	0025206.3W	51	288
LEBB-OBS-03744-002-2024	10	431759.6N	0025206.5W	61	298
LEBB-OBS-03744-003-2024	10	431759.3N	0025206.7W	65	302
LEBB-OBS-03764-000-2024	10	431752.5N	0025207.5W	50	286

OBS	RWY	LAT	LON	HGT	ELEV
LEBB-OBS-03767-000-2024	10	431748.7N	0025204.6W	63	285
LEBB-OBS-07631-000-2024	10	431333.2N	0023525.0W	264	3421
LEBB-OBS-07632-000-2024	10	431331.2N	0023521.4W	264	3427
LEBB-OBS-07633-000-2024	10	431328.8N	0023518.3W	264	3432
LEBB-OBS-07634-000-2024	10	431326.1N	0023515.9W	264	3421
LEBB-OBS-07635-000-2024	10	431324.2N	0023512.1W	264	3391
LEBB-OBS-07636-000-2024	10	431322.3N	0023508.8W	264	3356
LEBB-OBS-07637-000-2024	10	431319.6N	0023506.1W	264	3327
LEBB-OBS-07638-000-2024	10	431317.9N	0023502.2W	264	3309
LEBB-OBS-07639-000-2024	10	431315.8N	0023458.4W	266	3300
LEBB-OBS-07640-001-2024	10	431314.9N	0023456.7W	182	3224
LEBB-OBS-07640-002-2024	10	431314.9N	0023456.7W	182	3224
LEBB-OBS-07661-000-2024	10	431347.1N	0023617.8W	230	3183
LEBB-OBS-07662-000-2024	10	431345.5N	0023613.0W	230	3226
LEBB-OBS-07663-000-2024	10	431344.0N	0023607.5W	230	3230
LEBB-OBS-07664-000-2024	10	431352.1N	0023617.7W	77	3058
LEBB-OBS-07665-000-2024	10	431339.3N	0023538.5W	0	3244
LEBB-OBS-07667-000-2024	10	431340.9N	0023537.9W	94	3406
LEBB-OBS-07668-000-2024	10	431340.5N	0023535.0W	67	3397
LEBB-OBS-07669-001-2024	10	431340.1N	0023532.6W	111	3455
LEBB-OBS-07669-002-2024	10	431340.2N	0023532.6W	102	3447
LEBB-OBS-07670-000-2024	10	431339.7N	0023530.9W	125	3480
LEBB-OBS-07671-000-2024	10	431415.0N	0023655.4W	274	2826
LEBB-OBS-07672-000-2024	10	431413.7N	0023651.5W	274	2843
LEBB-OBS-07673-000-2024	10	431411.6N	0023647.7W	274	2859
LEBB-OBS-07674-000-2024	10	431408.8N	0023643.5W	274	2852
LEBB-OBS-07675-000-2024	10	431403.5N	0023636.0W	274	2918
LEBB-OBS-07676-000-2024	10	431400.9N	0023632.5W	274	2959
LEBB-OBS-07677-000-2024	10	431358.5N	0023628.3W	274	3012
LEBB-OBS-07692-000-2024	10	431738.5N	0024637.4W	69	1099
LEBB-OBS-07705-000-2024	10	431640.0N	0024916.4W	77	813
LEBB-OBS-07706-000-2024	10	431640.0N	0024919.0W	75	767
LEBB-OBS-07707-000-2024	10	431539.0N	0025009.1W	79	939
LEBB-OBS-07985-000-2024	10	431313.8N	0023455.1W	266	3306
LEBB-OBS-08125-001-2024	10	431802.8N	0025438.7W	16	149
LEBB-OBS-08125-002-2024	10	431802.6N	0025438.8W	16	148
LEBB-OBS-08125-003-2024	10	431802.4N	0025438.9W	16	148
LEBB-OBS-08125-004-2024	10	431801.6N	0025439.2W	16	146
LEBB-OBS-08232-000-2024	10	431826.3N	0025128.8W	122	576
LEBB-OBS-08237-000-2024	10	431823.4N	0025213.2W	54	689
LEBB-OBS-08240-000-2024	10	431816.7N	0025204.7W	73	539
LEBB-OBS-08241-000-2024	10	431819.1N	0025206.0W	77	604
LEBB-OBS-08242-000-2024	10	431805.4N	0025141.0W	71	410
LEBB-OBS-08243-000-2024	10	431800.6N	0025130.1W	82	515
LEBB-OBS-08245-000-2024	10	431754.5N	0025056.0W	97	644
LEBB-OBS-08246-000-2024	10	431816.7N	0025016.4W	0	979

OBS	RWY	LAT	LON	HGT	ELEV
LEBB-OBS-08247-000-2024	10	431812.7N	0025036.6W	17	643
LEBB-OBS-08248-000-2024	10	431759.4N	0024857.0W	75	1164
LEBB-OBS-08257-000-2024	10	431755.3N	0024853.9W	72	1187
LEBB-OBS-08258-000-2024	10	431759.6N	0024909.1W	90	1089
LEBB-OBS-08259-000-2024	10	431759.1N	0024905.1W	65	1089
LEBB-OBS-08260-000-2024	10	431756.9N	0024903.0W	85	1115
LEBB-OBS-08261-000-2024	10	431757.1N	0024902.9W	74	1107
LEBB-OBS-08262-000-2024	10	431758.4N	0024910.4W	94	1078
LEBB-OBS-08265-000-2024	10	431747.9N	0024933.7W	68	900
LEBB-OBS-08266-000-2024	10	431744.7N	0024935.9W	95	805
LEBB-OBS-08273-000-2024	10	431733.0N	0024941.2W	113	639
LEBB-OBS-08276-000-2024	10	431727.4N	0024906.8W	80	805
LEBB-OBS-08306-001-2024	10	431810.8N	0025039.2W	41	615
LEBB-OBS-08306-002-2024	10	431812.8N	0025042.4W	33	612
LEBB-OBS-08371-000-2024	10	431339.5N	0023530.8W	75	3428
LEBB-OBS-08372-000-2024	10	431339.4N	0023531.0W	133	3480
LEBB-OBS-08373-000-2024	10	431342.4N	0023543.5W	87	3361
LEBB-OBS-08374-001-2024	10	431342.2N	0023541.8W	220	3501
LEBB-OBS-08374-002-2024	10	431342.2N	0023541.8W	213	3494
LEBB-OBS-08374-003-2024	10	431342.2N	0023541.7W	148	3429
LEBB-OBS-08375-000-2024	10	431341.3N	0023539.2W	66	3371
LEBB-OBS-08376-000-2024	10	431339.9N	0023535.6W	39	3359
LEBB-OBS-08510-000-2024	10	431809.3N	0025410.0W	73	222
LEBB-OBS-08512-000-2024	10	431808.1N	0025412.5W	73	222
LEBB-OBS-08513-000-2024	10	431806.9N	0025414.7W	73	221
LEBB-OBS-08805-000-2024	10	431834.6N	0025038.9W	45	1121
LEBB-OBS-08808-000-2024	10	431830.5N	0025025.7W	89	1178
LEBB-OBS-08810-000-2024	10	431828.7N	0025010.1W	61	1099
LEBB-OBS-08814-000-2024	10	431826.7N	0024956.3W	89	939
LEBB-OBS-08818-000-2024	10	431822.1N	0025209.0W	71	647
LEBB-OBS-08819-000-2024	10	431822.0N	0025156.1W	59	429
LEBB-OBS-08820-000-2024	10	431821.4N	0025119.8W	57	607
LEBB-OBS-08821-000-2024	10	431821.3N	0025212.6W	46	621
LEBB-OBS-08822-000-2024	10	431821.2N	0024958.0W	53	1051
LEBB-OBS-08823-000-2024	10	431818.8N	0025210.2W	49	560
LEBB-OBS-08824-000-2024	10	431815.5N	0025158.8W	72	423
LEBB-OBS-08825-000-2024	10	431814.8N	0024951.6W	80	1124
LEBB-OBS-08826-000-2024	10	431810.0N	0024950.3W	76	1124
LEBB-OBS-08827-000-2024	10	431809.0N	0024940.1W	84	1174
LEBB-OBS-08828-000-2024	10	431807.7N	0024927.9W	99	1184
LEBB-OBS-08829-000-2024	10	431806.4N	0025118.7W	102	623
LEBB-OBS-08831-000-2024	10	431801.0N	0024926.5W	107	1085
LEBB-OBS-08832-000-2024	10	431758.1N	0024953.9W	99	861
LEBB-OBS-08835-000-2024	10	431750.8N	0025111.0W	112	567
LEBB-OBS-08837-000-2024	10	431748.6N	0025059.8W	91	534
LEBB-OBS-08838-000-2024	10	431746.0N	0025050.1W	88	556

OBS	RWY	LAT	LON	HGT	ELEV
LEBB-OBS-08841-000-2024	10	431741.5N	0024836.3W	81	1129
LEBB-OBS-08842-000-2024	10	431741.6N	0024827.1W	87	907
LEBB-OBS-08843-000-2024	10	431740.4N	0024845.2W	95	1033
LEBB-OBS-08844-000-2024	10	431734.4N	0024838.7W	114	988
LEBB-OBS-08845-000-2024	10	431732.9N	0024904.9W	42	884
LEBB-OBS-08846-000-2024	10	431732.9N	0024826.6W	83	1106
LEBB-OBS-08847-000-2024	10	431729.9N	0024819.4W	82	1048
LEBB-OBS-08848-000-2024	10	431727.2N	0024832.9W	85	928
LEBB-OBS-08850-000-2024	10	431724.1N	0024809.2W	93	1046
LEBB-OBS-08854-000-2024	10	431707.9N	0024743.2W	83	1061
LEBB-OBS-08857-000-2024	10	431703.9N	0024747.4W	102	1012
LEBB-OBS-09500-018-2024	10	431231.5N	0023737.7W	194	2066
LEBB-OBS-09555-002-2024	10	431803.7N	0025210.6W	31	278
LEBB-OBS-09555-003-2024	10	431804.0N	0025210.5W	34	281
LEBB-OBS-09555-004-2024	10	431805.4N	0025210.4W	31	281
LEBB-OBS-09713-002-2024	10	431119.3N	0024433.8W	230	1712
LEBB-OBS-09883-001-2024	10	431808.0N	0025202.7W	69	337
LEBB-OBS-09883-002-2024	10	431808.5N	0025209.7W	74	341
LEBB-OBS-09883-003-2024	10	431808.9N	0025209.7W	85	353
LEBB-OBS-10111-000-2024	10	431808.3N	0025416.8W	59	207
LEBB-OBS-10113-000-2024	10	431806.8N	0025417.1W	65	212