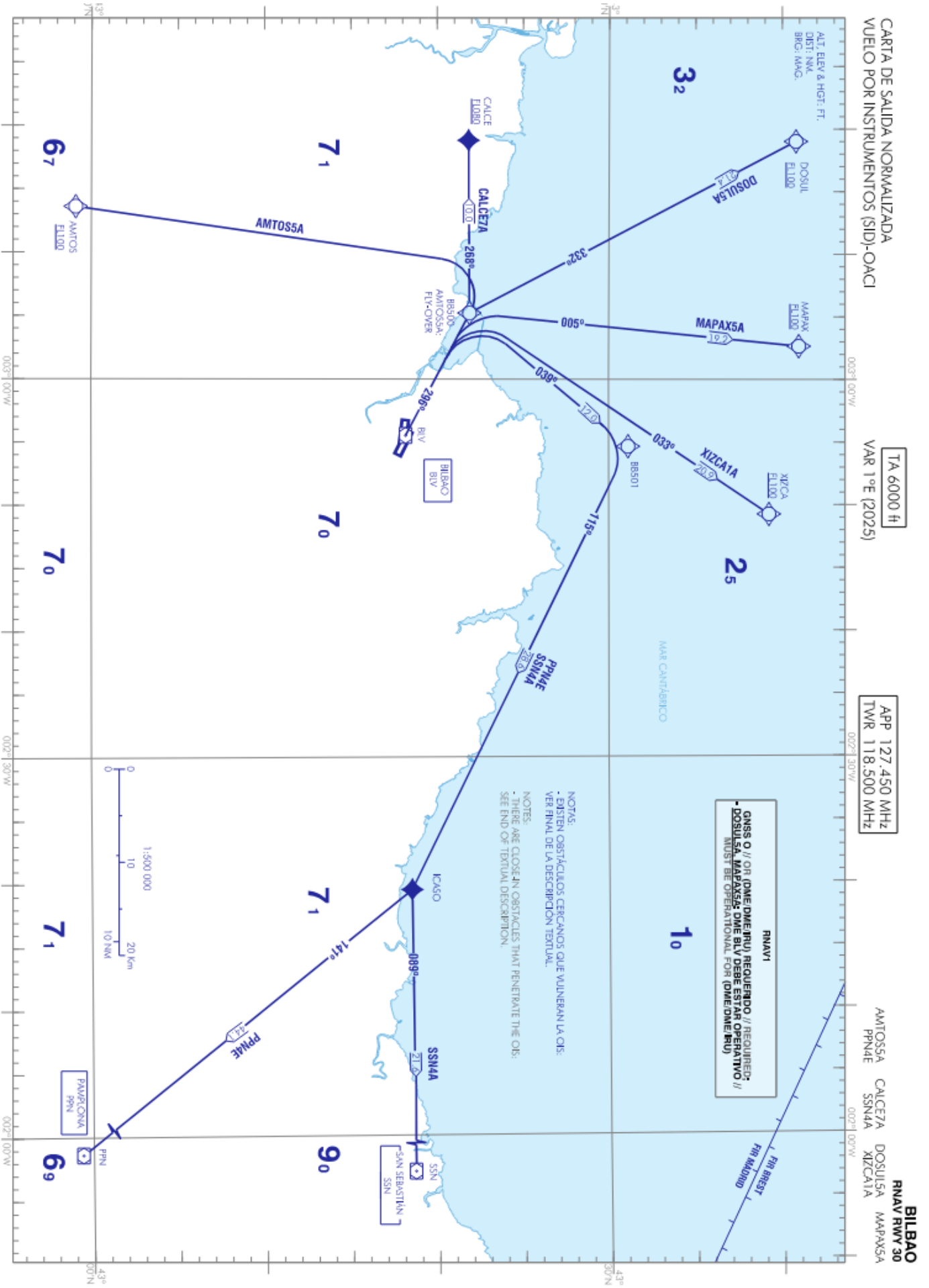




WAYPOINTS COORDINATES

WPT	COORD
AMTOS	425906.6N 0031336.7W
BB501	433108.2N 0025439.3W
BB500	432156.6N 0030514.8W
CALCE	432145.8N 0031900.0W
DOSUL	434050.0N 0031900.0W
ICASO	431833.6N 0021928.3W
MAPAX	434101.5N 0030238.7W
PPN	424401.5N 0014207.2W
SSN	431840.3N 0014949.4W
XIZCA	433918.1N 0024915.4W

STANDARD INSTRUMENT DEPARTURES (SID)

RUNWAY 30

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 ALFA (LEBB1A). 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 4500 ft AMSL.

Turn following for ATC instructions.

Minimum climb gradient of 6.7% up to 4500 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.

CRITICAL DME

FACILITY (ID)	FREQ/CH	COORD
BILBAO (BLV)	117.650 MHz CH 123Y	431815.4945N 0025530.9468W

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
AMTOS5A Minimum climb gradient of 7.0% up to AMTOS.											
001	CF	BB500	Y	296 (296.6)	-0.7	-	-	-	-	-	RNAV1
002	DF	AMTOS	-	-	-0.7	-	L	+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)	Navigation specification
CALCE7A Minimum climb gradient of 7.3% up to CALCE.											
001	CF	BB500	-	296 (296.6)	-0.7	-	-	-	-	-	RNAV1
002	TF	CALCE	-	268 (269.1)	-0.7	10.0	-	+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)	Navigation specification
DOSUL5A Minimum climb gradient of 7.0% up to DOSUL. - DME BLV must be operational for (DME/DME/IRU).											
001	CF	BB500	-	296 (296.6)	-0.7	-	-	-	-	-	RNAV1
002	TF	DOSUL	-	332 (332.2)	-0.7	21.4	-	+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)	Navigation specification
MAPAX5A Minimum climb gradient of 7.0% up to MAPAX. - DME BLV must be operational for (DME/DME/IRU).											
001	CF	BB500	-	296 (296.6)	-0.7	-	-	-	-	-	RNAV1
002	TF	MAPAX	-	005 (005.6)	-0.7	19.2	-	+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)	Navigation specification
PPN4E Minimum climb gradient of 7.0% up to ICASO.											
001	CF	BB500	-	296 (296.6)	-0.7	-	-	-	-	-	RNAV1
002	TF	BB501	-	039 (040.0)	-0.7	12.0	-	-	-	-	RNAV1
003	TF	ICASO	-	115 (115.9)	-0.7	28.6	-	-	-	-	RNAV1
004	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)	Navigation specification
SSN4A Minimum climb gradient of 7.0% up to ICASO.											
001	CF	BB500	-	296 (296.6)	-0.7	-	-	-	-	-	RNAV1
002	TF	BB501	-	039 (040.0)	-0.7	12.0	-	-	-	-	RNAV1
003	TF	ICASO	-	115 (115.9)	-0.7	28.6	-	-	-	-	RNAV1
004	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)	Navigation specification
XIZCA1A Minimum climb gradient of 7.0% up to XIZCA.											
001	CF	BB500	-	296 (296.6)	-0.7	-	-	-	-	-	RNAV1
002	TF	XIZCA	-	033 (033.7)	-0.7	20.9	-	+FL100	-	-	RNAV1

CLOSE-IN OBSTACLES WHICH PENETRATE THE OIS

OBS	RWY	LAT	LON	HGT (ft)	ELEV (ft)
Terrain	30	431918.4N	0025647.6W	0	321
LEBB-OBS-00781-000-2024	30	431833.8N	0025539.9W	68	161

SIGNIFICANT OBSTACLES

OBS	RWY	LAT	LON	HGT (ft)	ELEV (ft)
Terrain	30	431920.9N	0025651.6W	0	374
Terrain	30	431947.7N	0025731.0W	0	287
Terrain	30	431653.3N	0030504.4W	0	2339
LEBB-OBS-07577-000-2024	30	431919.3N	0025655.3W	122	459
LEBB-OBS-08300-000-2024	30	432003.2N	0030345.0W	28	1495
LEBB-OBS-00795-000-2024	30	432003.8N	0030345.2W	6	1485
LEBB-OBS-07576-000-2024	30	431916.3N	0025656.9W	111	391
LEBB-OBS-00796-001-2024	30	432003.6N	0030346.0W	164	1629
LEBB-OBS-00796-002-2024	30	432003.6N	0030346.0W	159	1624
LEBB-OBS-00796-003-2024	30	432003.6N	0030346.0W	144	1608
LEBB-OBS-08300-000-2024	30	432003.2N	0030345.0W	28	1495
LEBB-OBS-00795-000-2024	30	432003.8N	0030345.2W	6	1485
LEBB-OBS-07602-000-2024	30	432017.5N	0030401.3W	94	1330
LEBB-OBS-00820-000-2024	30	432020.9N	0030408.4W	94	1321
LEBB-OBS-00500-022-2024	30	432024.2N	0030418.5W	170	1339