CARTA DE LLEGADA NORMALIZADA
VUELO POR INSTRUMENTOS (STAR)-OACI

TA 6000 ft

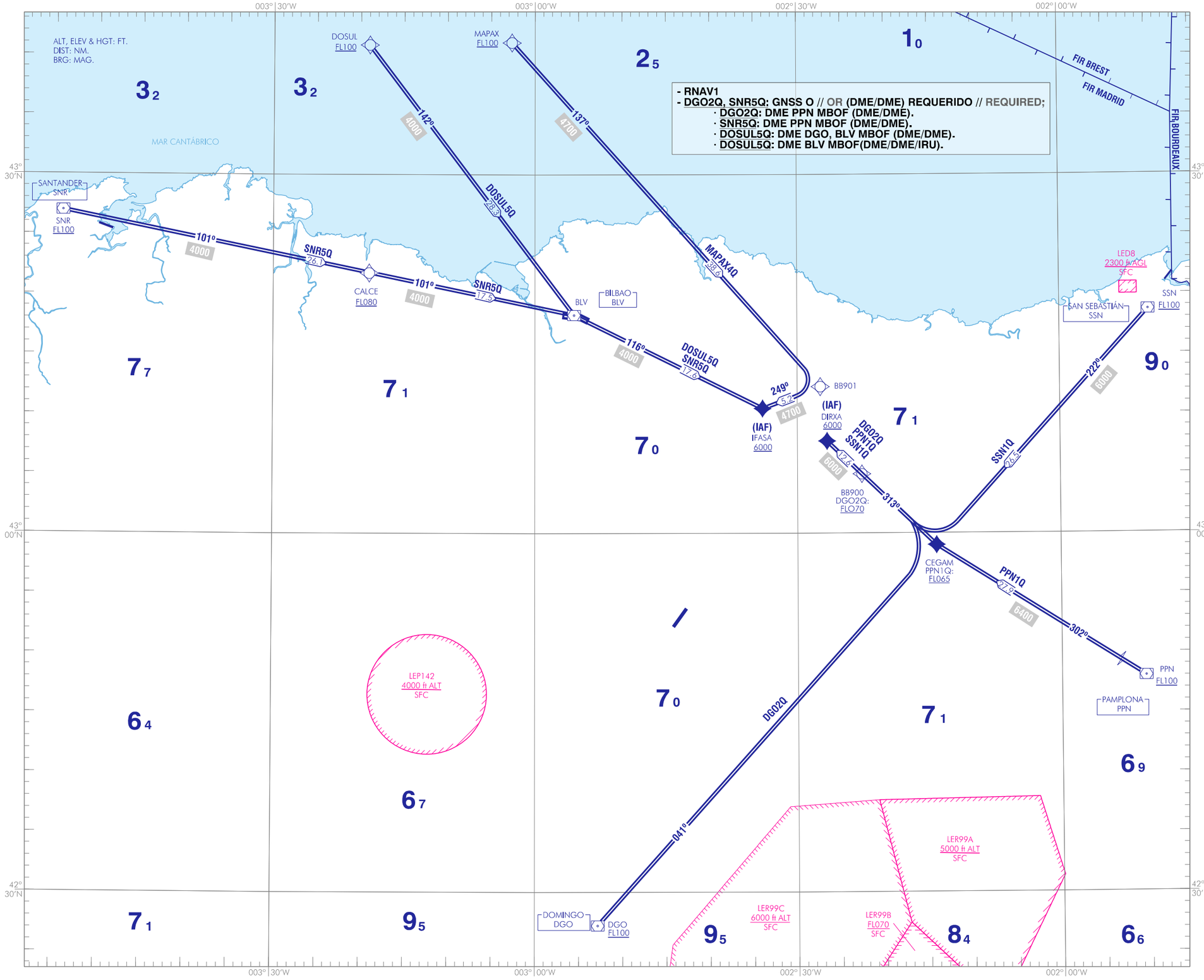
VAR 1°E (2025)

APP 127.450 MHz
TWR 118.500 MHz

BILBAO
RNAV RWY 30

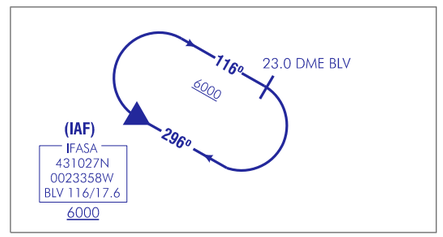
DGO2Q PPN1Q DOSUL5Q SNR5Q MAPAX4Q SSN1Q

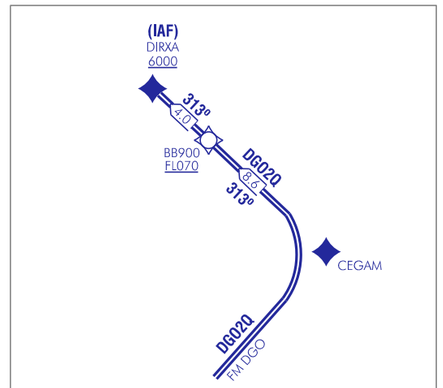
CHANGES: SENSOR REQUIRED FOR DOSUL5Q IN PBN BOX, ALTITUDE LIMITATION AT BB600.

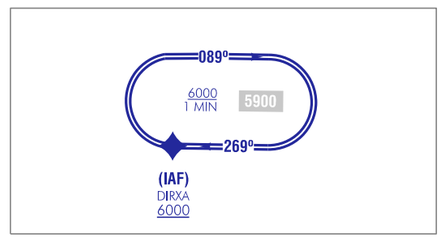


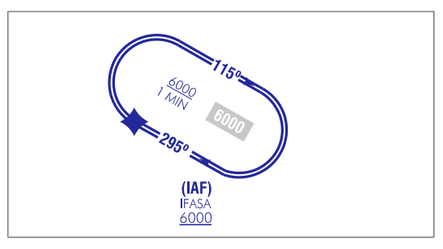
NOTAS:
- LOS TRAMOS SIN MOCA ASIGNADA SON PORQUE NO SE DISPONE DE ELLA.

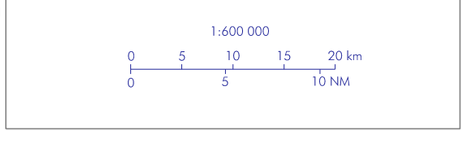
NOTES:
- THE SEGMENTS WITHOUT A SIGNED MOCA ARE DUE TO ITS UNAVAILABILITY.











WAYPOINTS COORDINATES

WPT	COORD
BB900	430456.9N 0022239.3W
BB901	431215.2N 0022722.2W
BLV	431815.1N 0025531.3W
CALCE	432145.8N 0031900.0W
CEGAM	425901.4N 0021410.9W
DIRXA	430742.5N 0022636.8W
DGO	422712.3N 0025250.1W
DOSUL	434050.0N 0031900.0W
IFASA	431026.6N 0023358.3W
MAPAX	434101.5N 0030238.7W
PPN	424401.5N 0014207.2W
SNR	432659.2N 0035408.7W
SSN	431840.3N 0014949.4W

CRITICAL DME

FACILITY (ID)	FREQ/CH	COORD
BILBAO (BLV)	117.650 MHz CH 123Y	431815.4945N 0025530.9468W
DOMINGO (DGO)	112.60 MHz CH 73X	422712.2978N 0025250.1135W
PAMPLONA (PPN)	112.30 MHz CH 70X	424401.7124N 00142006.5564W

STANDARD INSTRUMENT ARRIVALS (STAR)

RUNWAY 30

NOTES APPLICABLE TO ALL STAR:

- RNAV1.
-
- SPEED CONTROL:
  - MAX IAS 250 kt below FL100

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
DGO2Q GNSS or (DME/DME) required; - DME PPN must be operational for (DME/DME).											
001	IF	DGO	-	-	-0.7	-	-	+FL100	-	-	RNAV1
002	TF	CEGAM	-	041 (041.6)	-0.7	42.7	-	-	-	-	RNAV1
003	TF	BB900	-	313 (313.7)	-0.7	8.6	-	+FL070	-	-	RNAV1
004	TF	DIRXA	-	313 (313.6)	-0.7	4.0	-	+6000	-	-	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
DOSUL5Q GNSS or (DME/DME) or (DME/DME/IRU) required; - DME BLV, DGO must be operational for (DME/DME). - DME BLV must be operational for (DME/DME/IRU).											
001	IF	DOSUL	-	-	-0.7	-	-	+FL100	-	-	RNAV1
002	TF	BLV	-	142 (142.7)	-0.7	28.3	-	-	-	-	RNAV1
003	TF	IFASA	-	116 (116.2)	-0.7	17.6	-	+6000	-	-	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
MAPAX4Q											
001	IF	MAPAX	-	-	-0.7	-	-	+FL100	-	-	RNAV1
002	TF	BB901	-	137 (138.0)	-0.7	38.6	-	-	-	-	RNAV1
003	TF	IFASA	-	249 (249.5)	-0.7	5.2	-	+6000	-	-	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
PPN1Q											
001	IF	PPN	-	-	-0.7	-	-	+FL100	-	-	RNAV1
002	TF	CEGAM	-	302 (302.6)	-0.7	27.9	-	+FL065	-	-	RNAV1
003	TF	DIRXA	-	313 (313.7)	-0.7	12.6	-	+6000	-	-	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
SNR5Q GNSS or (DME/DME) required; - DME DGO must be operational for (DME/DME).											
001	IF	SNR	-	-	-0.7	-	-	+FL100	-	-	RNAV1
002	TF	CALCE	-	101 (101.3)	-0.7	26.1	-	+FL080	-	-	RNAV1
003	TF	BLV	-	101 (101.4)	-0.7	17.5	-	-	-	-	RNAV1
004	TF	IFASA	-	116 (116.2)	-0.7	17.6	-	+6000	-	-	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
SSN1Q											
001	IF	SSN	-	-	-0.7	-	-	+FL100	-	-	RNAV1
002	TF	CEGAM	-	222 (222.4)	-0.7	26.5	-	-	-	-	RNAV1
003	TF	DIRXA	-	313 (313.7)	-0.7	12.6	-	+6000	-	-	RNAV1

CIRCUITOS DE ESPERA

Path Terminator	Waypoint identifier	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	MNM altitude (ft)	MAX altitude (ft)	Speed (kt)	Navegation specification
HM	DIRXA	269 (270.0)	-0.7	4.7	R	6000	-	-	RNAV1
HM	IFASA	295 (295.9)	-0.7	4.7	R	6000	-	-	RNAV1