

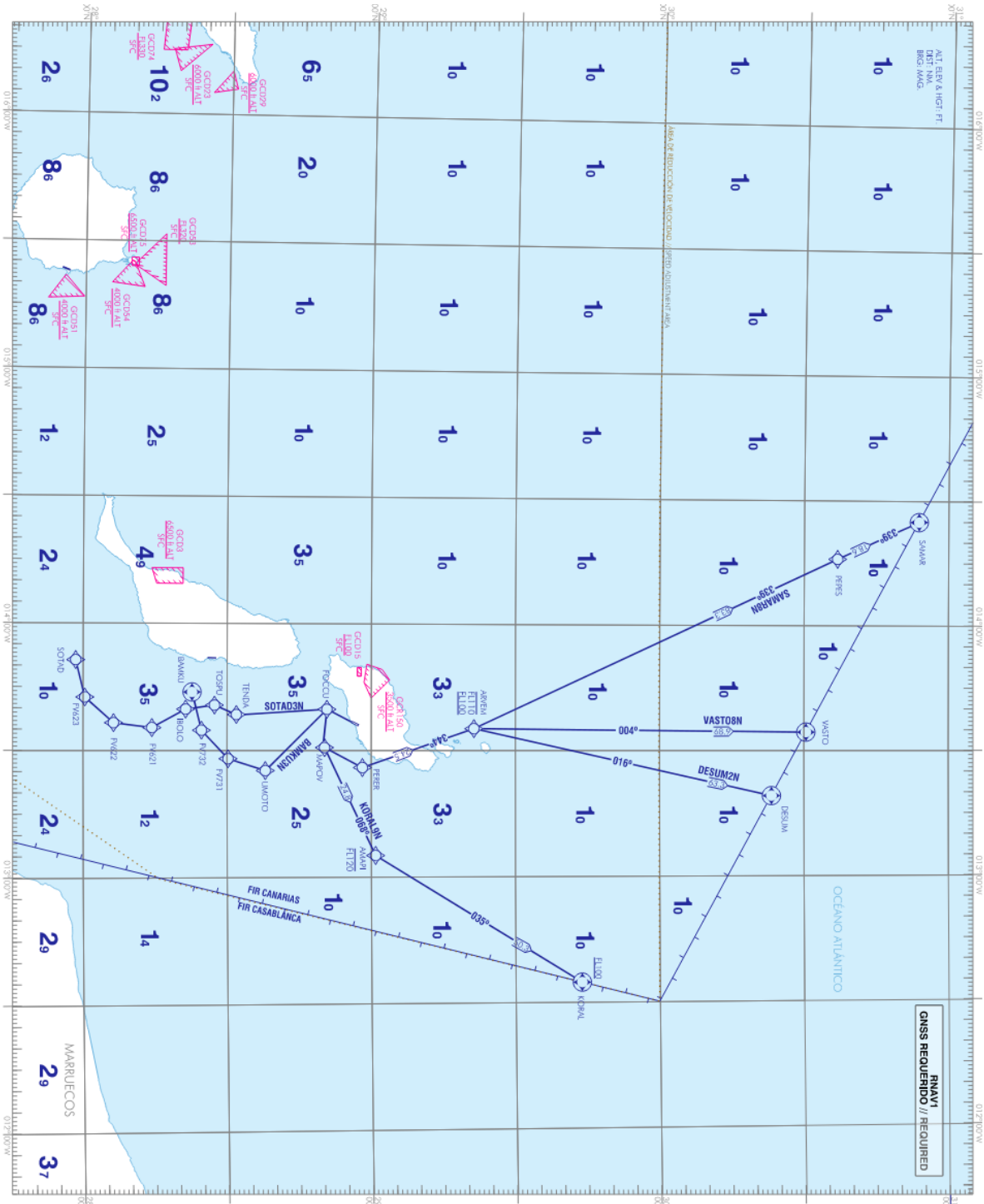
CARTA DE SAUDA NORMALIZADA
VUELO POR INSTRUMENTOS (SID) - OACI

TA 6000 ft

VAR 3°35.0'W (2025)

APP 129.300 MHz
TWR 120.700 MHz

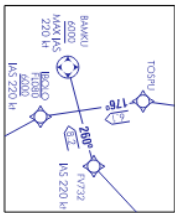
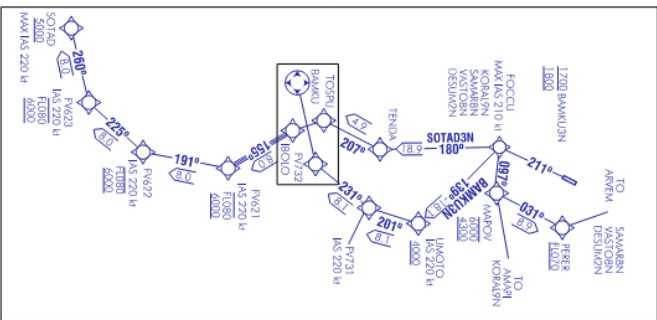
GNSS REQUERIDO // REQUIRED
RNAV



LANZAROTE/César Manrique Lanzarote
RNAV Rwy 21
BAMKUSN DESUM2N
SAMARBN SOTAD3N VASTOB8N

NOTAS:
- LAS MAY 250 h HASTA ALCANZAR EL 100
- NOTAS, RESTRICCIONES, OBSTACULOS CERCANOS
QUE VULNERAN LAS OIS: VER DESCRIPCION TEXTUAL.

NOTES:
- MAX LAS 250 h UNTIL REACHING FL100
- NOTES, RESTRICTIONS, CLOSEIN OBSTACLES
THAT VULNERATE THE OIS: SEE TEXTUAL
DESCRIPTION.



RENUMBERING

CHANGES

WAYPOINTS COORDINATES

WPT	COORD
AMAPI	290059.5N 0130504.5W
ARVEM	292128.5N 0133508.5W
BAMKU	282246.3N 0134344.6W
DESUM	302323.8N 0131906.8W
FOCCU	285052.0N 0133942.5W
FV621	281424.1N 0133521.1W
FV622	280624.5N 0133630.2W
FV623	280025.6N 0134231.8W
FV731	283016.3N 0132800.8W
FV732	282443.8N 0133444.8W
IBOLO	282126.3N 0133943.2W
KORAL	294353.1N 0123442.0W
MAPOV	285022.4N 0133038.1W
PEPES	303703.9N 0141557.0W
PERER	285815.1N 0132554.4W
SAMAR	305359.0N 0142456.0W
SOTAD	275830.7N 0135118.5W
TENDA	283159.9N 0133826.4W
TOSPU	282726.8N 0134040.1W
UMOTO	283801.9N 0132512.0W
VASTO	303034.0N 0133422.0W

STANDARD INSTRUMENT DEPARTURES (SID) RUNWAY 21

NOTES APPLICABLE TO ALL SID:

- Chart included in the CANARIAS TMA speed adjustment area: MAX IAS 250 KT at FL100 or BLW, EXC MIL FLT on operational or air defense missions or when the operational characteristics do not allow for it.
- RNAV1.
- GNSS required.
- MAX IAS 250 kt until reaching FL100.
- Minimum climb gradient due to operational reasons.

INITIAL ATC CLEARANCE:

- DESUM2N, KORAL9N, SAMAR8N, VASTO8N: Climb to FL120 and await further clearance.
- BAMKU3N, SOTAD3N: Climb to 4000 ft and await further clearance.

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
BAMKU3N											
Pendiente mínima de ascenso 5.0% hasta FOCCU // Minimun climb gradient 5.0% up to FOCCU.											
001	CF	FOCCU	-	211 (207.0)	+3.6	-	-	+1700	-		RNAV1
002	TF	UMOTO	-	139 (135.0)	+3.6	18.1	-	+4000	220		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
003	TF	FV731	-	201 (197.8)	+3.6	8.1	-	-	220	-	RNAV1
004	TF	FV732	-	231 (227.1)	+3.6	8.1	-	-	220	-	RNAV1
005	TF	BAMKU	Y	260 (256.2)	+3.6	8.2	-	+6000	-220	-	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
DESUM2N											
Minimum climb gradient 6.0% up to PERER.											
001	CF	FOCCU	-	211 (207.0)	+3.6	-	-	+1800	-210		RNAV 1
002	TF	MAPOV	-	097 (93.5)	+3.6	8.0	-	+4300 -6000	-		RNAV 1
003	TF	PERER	-	31 (027.8)	+3.6	8.9	-	+FL070	-	-	RNAV 1
004	TF	ARVEM	-	344 (340.8)	+3.6	24.5	-	+FL100 -FL110	-	-	RNAV 1
005	TF	DESUM	Y	016 (012.6)	+3.6	63.3	-	-	-	-	RNAV 1

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
KORAL9N											
Minimum climb gradient 6.0% up to MAPOV.											
001	CF	FOCCU	-	211 (207.0)	+3.6	-	-	+1800	-210		RNAV1
002	TF	MAPOV	-	097 (93.5)	+3.6	8.0	-	+4300 -6000	-		RNAV1
003	TF	AMAPI	-	068 (064.6)	+3.6	24.8	-	-FL120	-		RNAV1
004	TF	KORAL	Y	035 (031.7)	+3.6	50.3	-	+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
SAMAR8N											
Minimun climb gradient 6.0% up to PERER											
001	CF	FOCCU	-	211 (207.0)	+3.6	-	-	+1800	-210		RNAV1
002	TF	MAPOV	-	097 (93.5)	+3.6	8.0	-	+4300 -6000	-		RNAV1
003	TF	PERER	-	031 (027.8)	+3.6	8.9	-	+FL070	-		RNAV1
004	TF	ARVEM	-	344 (340.8)	+3.6	24.5	-	+FL100 -FL110	-		RNAV1
005	TF	PEPES	-	339 (335.0)	+3.6	83.3	-	-	-		RNAV1
006	TF	SAMAR	Y	339 (335.4)	+3.6	18.6	-	-	-		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
SOTAD3NMINIMUN CLIMB GRADIENT 5.0% UP TO FOCCU.											
001	CF	FOCCU	-	211 (207.0)	+3.6	-	-	+1800	-		RNAV1
002	TF	TENDA	-	180 (176.6)	+3.6	18.9	-	-	-		RNAV1
003	TF	TOSPU	-	207 (203.4)	+3.6	4.9	-	-	-	-	RNAV1
004	TF	IBOLO	-	176 (172.1)	+3.6	6.1	-	+6000 -FL080	220	-	RNAV1
005	TF	FV621	-	155 (151.2)	+3.6	8.0	-	+6000 -FL080	220	-	RNAV1
006	TF	FV622	-	191 (187.3)	+3.6	8.0	-	+6000 -FL080	220	-	RNAV1
007	TF	FV623	-	225 (221.8)	+3.6	8.0	-	+6000 -FL080	220	-	RNAV1
008	TF	SOTAD	-	260 (256.2)	+3.6	8.0	-	+5000	-220	-	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
VASTO8N											
Minimun climb gradient 6.0% up to PERER											
001	CF	FOCCU	-	211 (207.0)	+3.6	-	-	+1800	-210		RNAV1
002	TF	MAPOV	-	097 (93.5)	+3.6	8.0	-	+4300 -6000	-		RNAV1
003	TF	PERER	-	031 (027.8)	+3.6	8.9	-	+FL070	-	-	RNAV1
004	TF	ARVEM	-	344 (340.8)	+3.6	24.5	-	+FL100 -FL110	-	-	RNAV1
005	TF	VASTO	Y	004 (000.6)	+3.6	68.9	-	-	-	-	RNAV1

CLOSE-IN OBSTACLES

OBS	RWY	LAT	LON	HGT (ft)	ELEV (ft)
GCRR-OBS-00583-003-2023 (ANTENNA ON BUILDING)	21	285605.3N	0133648.1W	31	67
GCRR-OBS-00583-002-2023 (ANTENNA ON BUILDING)	21	285605.0N	0133648.2W	31	68
GCRR-OBS-00583-004-2023 (ANTENNA ON BUILDING)	21	285605.0N	0133647.9W	27	60
GCRR-OBS-00583-001-2023 (BUILDING)	21	285605.3N	0133648.0W	22	58
GCRR-OBS-00583-005-2023 (DEPOSIT)	21	285605.1N	0133647.9W	23	57