

BRAC / Brac I. (LDSB)

RNAV RWY 21

SPL 1M SIPAL 1T

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 FT/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary this is indicated in the tabular description of the route.

Close-in obstacles: trees with heights up to 554.4 M (1819 FT) AMSL on both sides and abeam of the extended RWY centre line, from the DER until the distance of 190 M (0.1 NM) after passing DER. See inset on the chart.

WARNING

Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID SPL 1M only:

Climb straight ahead to intercept and follow R-137 SPL. At 27.7 DME SPL turn LEFT climbing on track 031°. On passing 4000 FT AMSL proceed via RNAV SID SPL 1M or according to ATC instruction.

LDSB RNAV STANDARD INSTRUMENT DEPARTURE RWY 21

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SPL 1M	CF	SB901	-	211° (215.1°T)	4°E	4.4	-	-	-	-	RNAV 1
020		TF	SB902	-	137° (141.1°T)	4°E	6.2	-	-	-	-	
030		TF	SB903	Y	031° (035.1°T)	4°E	4.4	L	-	-180	-	
040		TF	HUM		322° (326.1°T)	4°E	6.5	-	+6000	-230	-	
050		TF	SPL	-	304° (307.7°T)	4°E	20.6	-	-	-	-	

WARNING

Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID SIPAL 1T only:

Climb straight ahead to intercept and follow R-137 SPL. At 27.7 DME SPL turn LEFT climbing on track 086°. On passing 4000 FT AMSL proceed via RNAV SID SIPAL 1T or according to ATC instruction.

LDSB RNAV STANDARD INSTRUMENT DEPARTURE RWY 21

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SIPAL 1T	CF	SB901	-	211° (215.1°T)	4°E	4.4	-	-	-180	-	RNAV 1
020		TF	SB902	-	137° (141.1°T)	4°E	6.2	-	-	-	-	
040		TF	SIPAL	-	086° (090.1°T)	4°E	16.3	-	+8000	-	-	

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
SIPAL	430812N	0170425E
HUM	431713.88N	0164042.42E
SPL	432947.69N	0161817.00E
SB901	431304.3N	0163652.3E
SB902	430815.4N	0164210.9E
SB903	431151.9N	0164539.1E

CHANGE: TMAs classification vertical limits; Parachute activity zones; Editorial.