

TABULAR DESCRIPTION

RNP RWY13 – Instrument Approach procedure

Serial Number	Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	VPA/ TCH	Navigation Specification
010	IF	BCS	-	-	-	-	-	+4000	-	-	RNAV 1
020	TF	BR506	-	344 (348.1)	-	9.6	-	+3500	-	-	RNAV 1
030	TF	BR507	-	314 (317.9)	-	5.0	-	-	-200	-	RNAV 1
040	TF	GODUB	-	224 (227.9)	-	5.0	L	+2500	-200	-	RNAV 1
050	TF	BR514	-	138 (142.2)	-	2.2	L	+2500	-	-	RNAV 1
010	IF	GODUB	-	-	-	-	-	+3000	-	-	RNAV 1
020	TF	BR514	-	138 (142.2)	-	2.2	-	+2500	-	-	RNAV 1
010	IF	BR514	-	-	-	-	-	+2500	-	-	RNAV 1
020	TF	BR516	-	133 (137.0)	-	2.0	-	+2500	-	-	RNP APCH
030	TF	RWY13	Y	133 (137.0)	-	7.6	-	@79 (4)	-	-3.0/15.0M	RNP APCH
040	TF	KAPPO	-	134 (137.8)	-	5.2	-	+1200	-185	-	RNP APCH
050	TF	BR511	Y	085 (089.5)	-	6.0	-	+2500	-185	-	RNAV 1
060	HM	BR511	Y	265 (269)	-	-	R	+2500	-185	-	RNAV 1

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	BCS	314(318)	3.8	- /5.0	R	+4000	-	-210	4°E	RNAV 1
HM	GODUB (3)	133(137)	3.0	-/-	L	+3000	-	-185	4°E	RNAV 1
HM	BR511	265(269)	3.0	- /3.1	R	+2500	-	-185	4°E	RNAV 1

(1) RNAV system with holding functionality

(2) RNAV system without holding functionality

(3) Entry on Track

(4) THR Altitude plus TCH; for MA transition the value is according to the minima LNAV or LPV

Waypoints Table formatted according ARINC 424 standards

Waypoint Identifier	Coordinates
BR506	40°48'55.20" N 017°54'30.27" E
BR507	40°52'37.84" N 017°50'05.30" E
BR514	40°47'30.46" N 017°47'00.39" E
BR516	40°46'02.70" N 017°48'48.14" E
BR511	40°36'42.26" N 018°08'02.71" E

SBAS FAS DATA BLOCK LIBR RNP RWY 13

PARAMETERS	VALUES
Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LIBR
Runway	13
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E13A
LTP/FTP Latitude	404028.7615N
LTP/FTP Longitude	0175537.1680E
LTP/FTP Ellipsoidal Height (metres)	49.9
FPAP Latitude	403919.9700N
Delta FPAP Latitude (seconds)	-68.7915
FPAP Longitude	0175701.2300E
Delta FPAP Longitude (seconds)	84.0620
Threshold Crossing Height	49.2
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	35.0

OUTPUT DATA	
Data Block	10 12 02 09 0C 0D 00 00 01 33 31 05 B3 A6 74 11 A0 84 B1 07 F3 15 91 E6 FD BC 90 02 EC 01 2C 01 64 00 C8 AF E5 15 36 38
Calculated CRC Value	E5153638

Required Additional Data (not CRC wrapped)

Parameters	Values
ICAO Code	LI
LTP/FTP Orthometric Height (metres)	8.8