INSTRUMENT APPROACH
CHART-ICAO
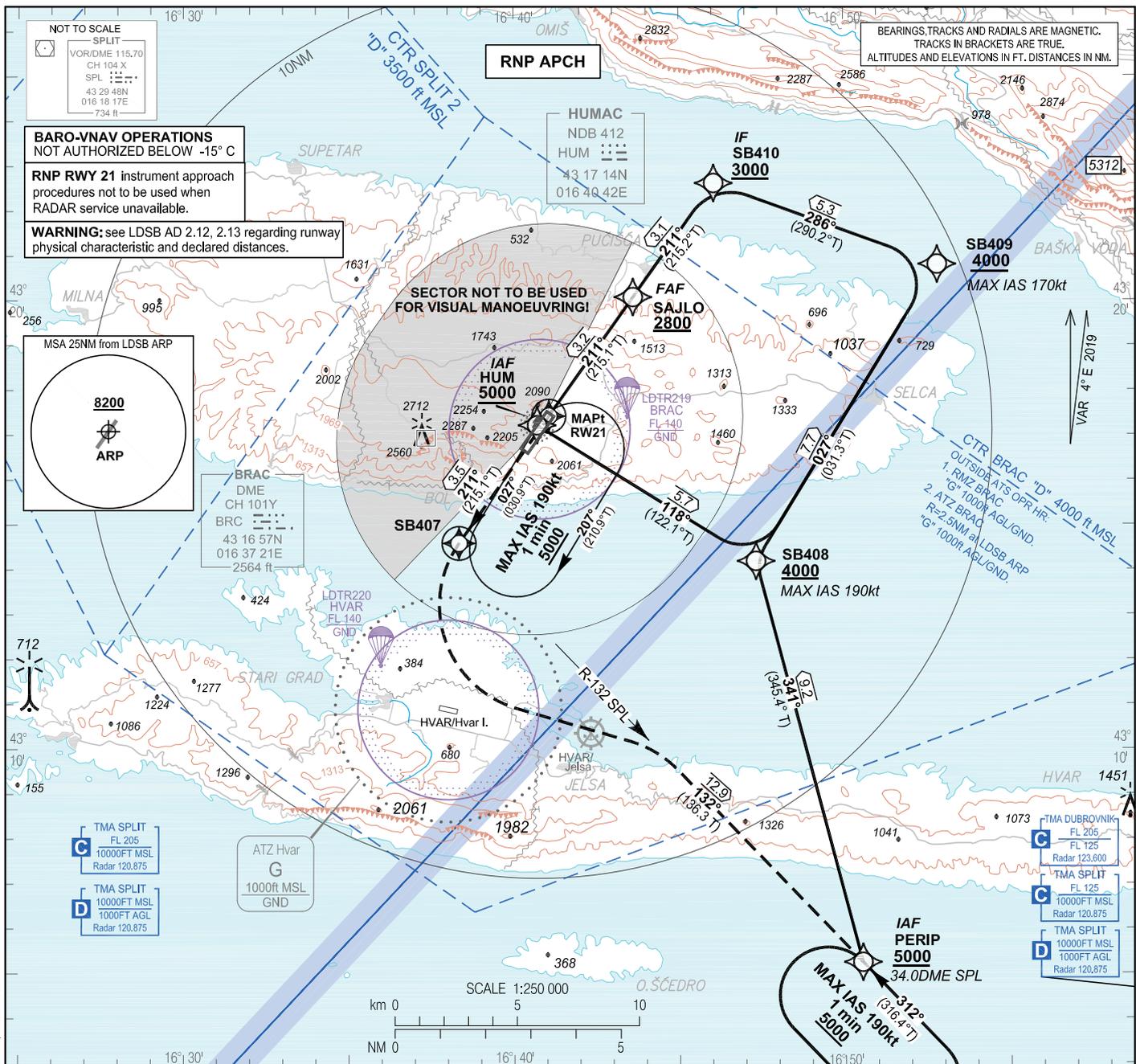
AD ELEV 1781
HEIGHTS RELATED
TO THR 21 ELEV 1701

SBAS
CH:69772
E21A

SPLIT RADAR 120.875
BRAC TOWER 118.025

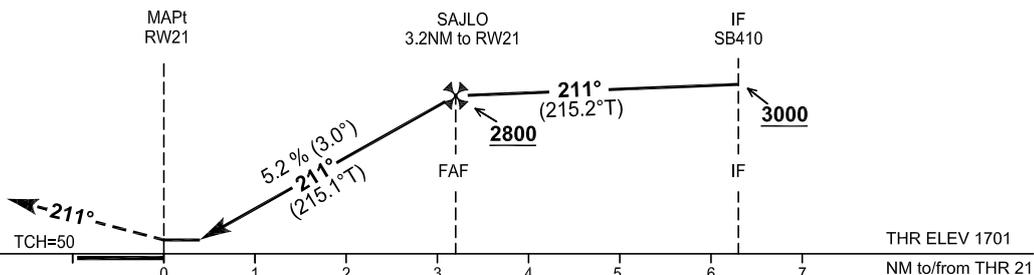**BRAC / Brac I. (LDSB)**

RNP RWY 21

RNP APCH

BEARINGS, TRACKS AND RADIALS ARE MAGNETIC.
TRACKS IN BRACKETS ARE TRUE.
ALTITUDES AND ELEVATIONS IN FT. DISTANCES IN NM.

NOT TO SCALE

SPLIT
VOR/DME 115.70
CH 104 X
SPL
43 29 48N
016 18 17E
734 ft

BARO-VNAV OPERATIONS
NOT AUTHORIZED BELOW -15° C

RNP RWY 21 instrument approach
procedures not to be used when
RADAR service unavailable.

WARNING: see LDSB AD 2.12, 2.13 regarding runway
physical characteristic and declared distances.

HUMAC
NDB 412
HUM
43 17 14N
016 40 42E

MSA 25NM from LDSB ARP

8200
ARP

BRAC
DME
CH 101Y
BRC
43 16 57N
016 37 21E
2564 ft

LDTR220
HVAR
FL 140
GND

SECTOR NOT TO BE USED
FOR VISUAL MANOEUVRING!

IF
SB410
3000

5.3
286°
(290.2°T)

SB409
4000
MAX IAS 170kt

FAF
SAJLO
2800

3.7
211°
(215.2°T)

3.2
211°
(215.1°T)

IAF
HUM
5000

LDTR219
BRAC
FL 140
GND

MAPt
RW21

3.5
211°
(215.1°T)

027°
(030.9°T)

207°
(210.9°T)

MAX IAS 190kt
1 min
5000

SB407

7.7
027°
(031.3°T)

5.7
118°
(122.1°T)

SB408
4000
MAX IAS 190kt

9.2
341°
(345.4°T)

R-132 SPL

HVAR/Hvar I.

HVAR/
Jelsa

12.9
132°
(136.3°T)

CTR BRAC "D" 4000 ft MSL
OUTSIDE ATS OPR HR.
1. RMZ BRAC
   "G" 1000ft AGL/GND.
2. ATZ BRAC
   R-2.5NM at LDSB ARP
   "G" 1000ft AGL/GND.

C TMA SPLIT
FL 205
10000FT MSL
Radar 120.875

D TMA SPLIT
10000FT MSL
1000FT AGL
Radar 120.875

ATZ Hvar
G
1000ft MSL
GND

C TMA DUBROVNIK
FL 205
FL 125
Radar 123.600

C TMA SPLIT
FL 125
10000FT MSL
Radar 120.875

D TMA SPLIT
FL 125
1000FT AGL
Radar 120.875

IAF
PERIP
5000
34.0DME SPL

312°
(316.4°T)

MAX IAS 190kt
1 min
5000

SCALE 1:250 000
km 0 .... 5 10
NM 0 5

TRANSITION ALT 10 000

MISSED APPROACH
RNAV

RW21 – SB407 [L] – PERIP [A5000; -K190]

NON RNAV
Climb straight ahead. At R-132 SPL
turn LEFT to intercept and
follow R-132 SPL climbing to
34.0 DME SPL (PERIP) at 5000
and hold. MAX IAS 190kt.

MAPt
RW21

SAJLO
3.2NM to RW21

IF
SB410

211°
(215.2°T)

2800

3000

5.2 % (3.0°)
211°
(215.1°T)

FAF

IF

TCH=50
211°

THR ELEV 1701
NM to/from THR 21

OCA(H)		A	B	C
Straight-in approach	LNAV	2410 (710)		
	LNAV/VNAV	2290 (589)	2300 (599)	2310 (609)
	LPV	2290 (589)	2300 (599)	2310 (609)
Circling		2430 (650)		2520 (740)

TIMING NOT AUTHORIZED FOR DEFINING THE MAPt

GS	kt	70	100	120	140	160
SAJLO – RW21 (3.2NM)	min : sec	2:45	1:55	1:36	1:22	1:12
Rate of descent (5.2%)	ft/min	372	531	637	743	849

AIRAC AIP AMDT 004/2025

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

RNP RWY 21

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDSB
Runway	21
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E21A
LTP/FTP Latitude	431726.0900N
LTP/FTP Longitude	0164103.8185E
LTP/FTP Ellipsoidal Height (metres)	561.1
FPAP Latitude	431641.0210N
Delta FPAP Latitude (seconds)	-45.0690
FPAP Longitude	0164020.4775E
Delta FPAP Longitude (seconds)	-43.3410
Threshold Crossing Height	50.0
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)	50.0

Output data

Data Block	10 02 13 04 0C 15 00 00 01 31 32 05 94 0B 94 12 95 00 29 07 EB 29 E6 9F FE 66 AD FE F4 01 2C 01 64 00 C8 FA 06 08 D3 7D
Calculated CRC Value	0608D37D

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	518.6

AIP HRVATSKA
AIP CROATIA

LDSB AD 2.24.12 IAC RNP RWY 21 -3
15 MAY 2025

BRAC / Brac I. (LDSB)

RNP RWY 21

LDSB RNP RWY21

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	HUM	-	-	4°E	-	-	+5000	-	-	-	RNP APCH
020	-	TF	SB408	-	118° (122.1°T)	4°E	5.7	-	+4000	-190	-	-	
030	-	TF	SB409	-	027° (031.3°T)	4°E	7.7	-	+4000	-170	-	-	
040	IF	TF	SB410	-	286° (290.2°T)	4°E	5.3	L	+3000	-	-	-	
010	IAF	IF	PERIP	-	-	4°E	-	-	+5000	-	-	-	RNP APCH
020	-	TF	SB408	-	341° (345.4°T)	4°E	9.2	-	+4000	-190	-	-	
030	-	TF	SB409	-	027° (031.3°T)	4°E	7.7	-	+4000	-170	-	-	
040	IF	TF	SB410	-	286° (290.2°T)	4°E	5.3	L	+3000	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	SB410	-	-	4°E	-	-	+3000	-	-	-	RNP APCH
020	FAF	TF	SAJLO	-	211° (215.2°T)	4°E	3.1	-	+2800	-	-	-	
030	MAPt	TF	RW21	Y	211° (215.1°T)	4°E	3.2	-	-	-	3.0 / 50.0	-	
040	-	TF	SB407	Y	211° (215.1°T)	4°E	3.5	-	-	-	-	-	
050	MAHF	TF	PERIP	-	132° (136.3°T)	4°E	12.9	-	5000	-190	-	-	
060	MAHF	HM	PERIP	-	312° (316.4°T)	4°E	1MIN	L	5000	-190	-	Holding above 5000ft on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path Terminator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude FT	Maximum altitude FT	Speed limit MAX IAS	Magnetic variation	Remarks	NAV SPEC
HUM	HM	027° (030.9° T)	1MIN / -	R	5000	-	190	4°E	-	RNAV 1
PERIP	HM	312° (316.4° T)	1MIN / -	L	5000	-	190	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
RW21	431726.09N	0164103.82E
HUM	431713.88N	0164042.42E
PERIP	430515.3N	0165031.1E
SAJLO	432005.0N	0164336.8E
SB407	431436.1N	0163820.3E
SB408	431411.9N	0164719.4E
SB409	432048.4N	0165249.7E
SB410	432237.2N	0164603.6E

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

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