

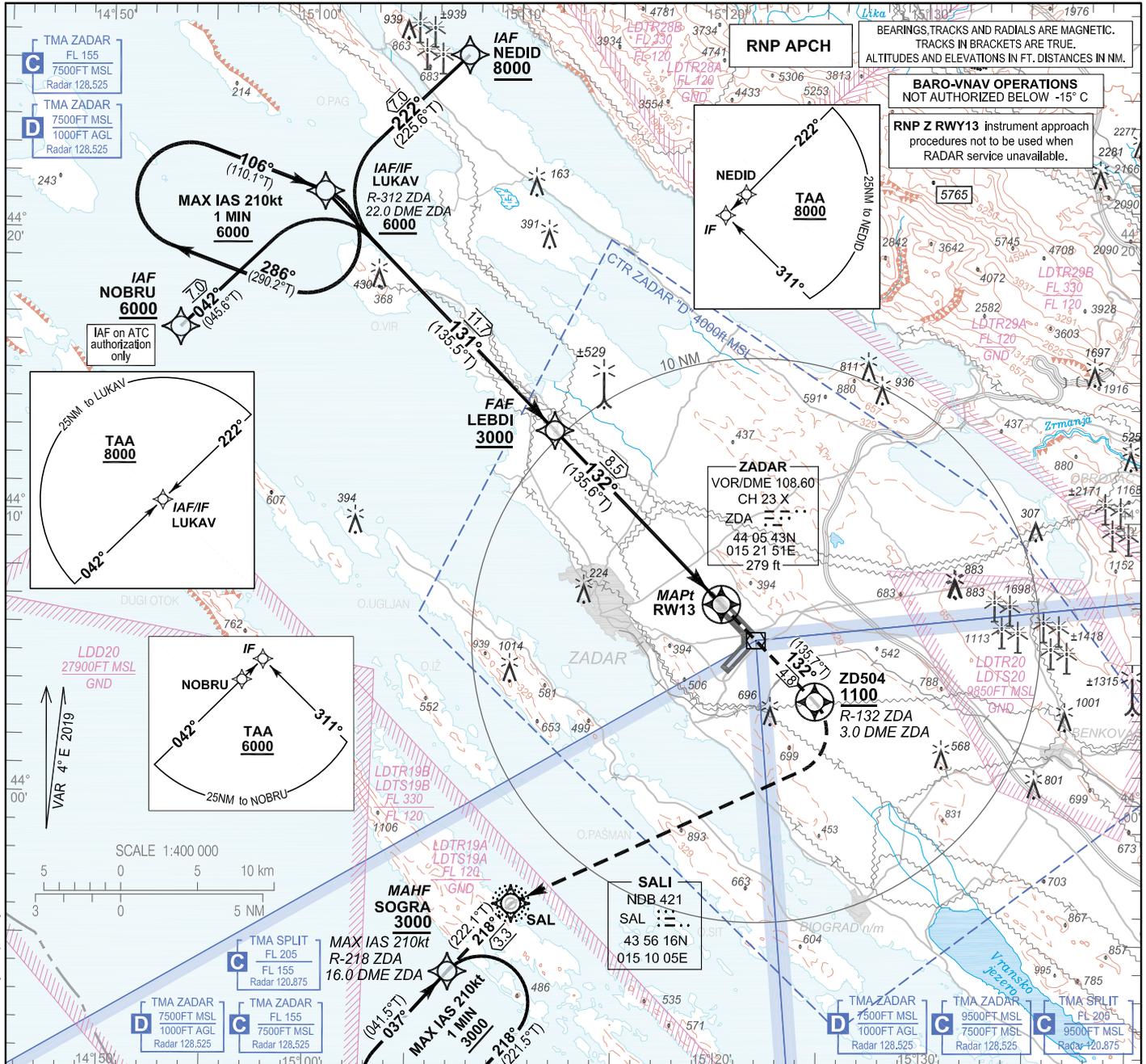
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 289
HEIGHTS RELATED
TO THR 13 ELEV 243

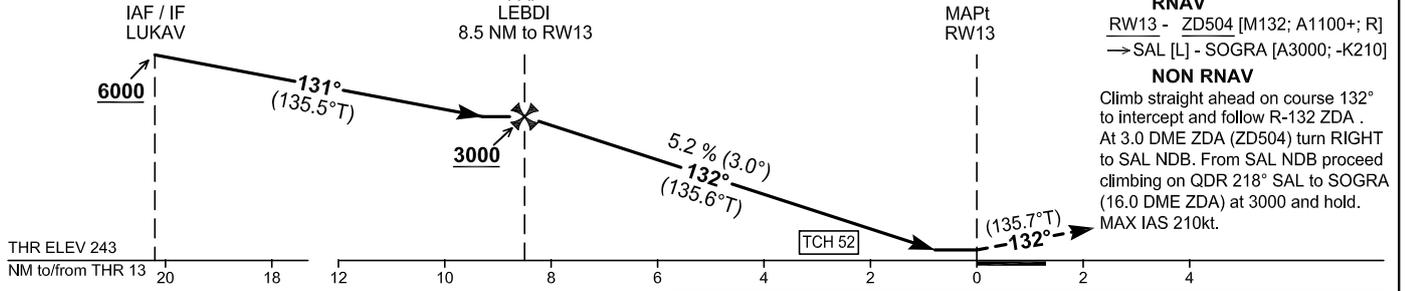
SBAS
CH: 77391
E13A

ZADAR RADAR 128.525
ZADAR TOWER 123.700
ZADAR DELIVERY 132.975

ZADAR / Zemunik
CROATIA
RNP Z RWY 13



TRANSITION ALT 10 000



OCA(H)		A	B	C	D
Straight-in approach	LNAV	600 (357)			
	LNAV/VNAV	500 (257)		520 (277)	
	LPV	500 (257)			
CIRCLING		1020 (731)		1170 (881)	

DIST THR / RW13	NM	8	7	6	5	4	3	2	1
Altitude	ft	2840	2520	2200	1880	1570	1250	930	610
Timing not authorized for defining the MAPt									
GS	kt	80	100	120	140	160	180		
LEBDI - RW13 (8.5NM)	min:sec	6:23	5:06	4:15	3:39	3:11	2:50		
Rate of descent (5.2%)	ft/min	425	531	637	743	849	955		

CHANGE: Some LDTR, LDTS and LDD areas established or withdrawn; Zadar Delivery frequency added; Obstacles; Editorial.

Coding elements for FAS Data Block

Input data	
Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDZD
Runway	13
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	Z
Reference Path Data Selector	0
Reference Path Identifier	E13A
LTP/FTP Latitude	440658.9785N
LTP/FTP Longitude	0152008.4970E
LTP/FTP Ellipsoidal Height (metres)	116.5
FPAP Latitude	440559.8450N
Delta FPAP Latitude (seconds)	-59.1335
FPAP Longitude	0152128.6020E
Delta FPAP Longitude (seconds)	80.1050
Threshold Crossing Height	52.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	56
HAL (metres)	40.0
VAL (metres)	50.0
Output data	
Data Block	10 04 1A 04 0C 0D D0 00 01 33 31 05 45 C5 EE 12 62 D4 94 06 8D 18 05 32 FE D2 71 02 08 02 2C 01 64 07 C8 FA D0 80 51 3F
Calculated CRC Value	D080513F
Required Additional Data	
ICAO Code	LD
LTP/FTP Orthometric Height (metres)	74.0

LDZD RNP Z RWY 13

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	NOBRU	-	-	4°E	-	-	+6000	-	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	LUKAV	-	042° (045.6° T)	4°E	7.0	-	+6000	-	-	-	
010	IAF/IF	IF	LUKAV	-	-	4°E	-	-	+6000	-	-	-	RNP APCH
010	IAF	IF	NEDID	-	-	4°E	-	-	+8000	-	-	-	RNP APCH
020	IF	TF	LUKAV	-	222° (225.6° T)	4°E	7.0	-	+6000	-	-	-	

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	LUKAV	-	-	4°E	-	-	+6000	-	-	-	RNP APCH
020	FAF	TF	LEBDI	-	131° (135.5°T)	4°E	11.7	-	+3000	-	-	-	
030	MAPt	TF	RW13	Y	132° (135.6°T)	4°E	8.5	-	-	-	3.0 / 52.0	-	
040	-	CF	ZD504	Y	132° (135.7°T)	4°E	4.8	-	+1100	-	-	-	
050	-	DF	SAL	-	-	4°E	-	R	-	-	-	-	
060	MAHF	TF	SOGRA	-	218° (222.1°T)	4°E	3.3	-	3000	-210	-	-	
070	MAHF	HM	SOGRA	-	037° (041.5°T)	4°E	1 MIN	R	3000	-210	-	Holding above 3000 FT on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
LUKAV	HM	106° (110.1° T)	1 MIN / -	R	6000	-	210	4°E	-	RNAV 1
SOGRA	HM	037° (041.5°T)	1 MIN / -	R	3000	-	210	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
SAL	435616.30N	0151005.20E
LEBDI	441303.8N	0151152.9E
LUKAV	442126.3N	0150026.7E
NEDID	442620.2N	0150725.4E
NOBRU	441632.4N	0145328.9E
SOGRA	435350.2N	0150702.6E
RW13	440658.98N	0152008.50E
ZD504	440334.2N	0152445.6E

CHANGE: Some LDTR, LDTS and LDD areas established or withdrawn; Zadar Delivery frequency added; Obstacles; Editorial.

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