

INSTRUMENT APPROACH
CHART-ICAO

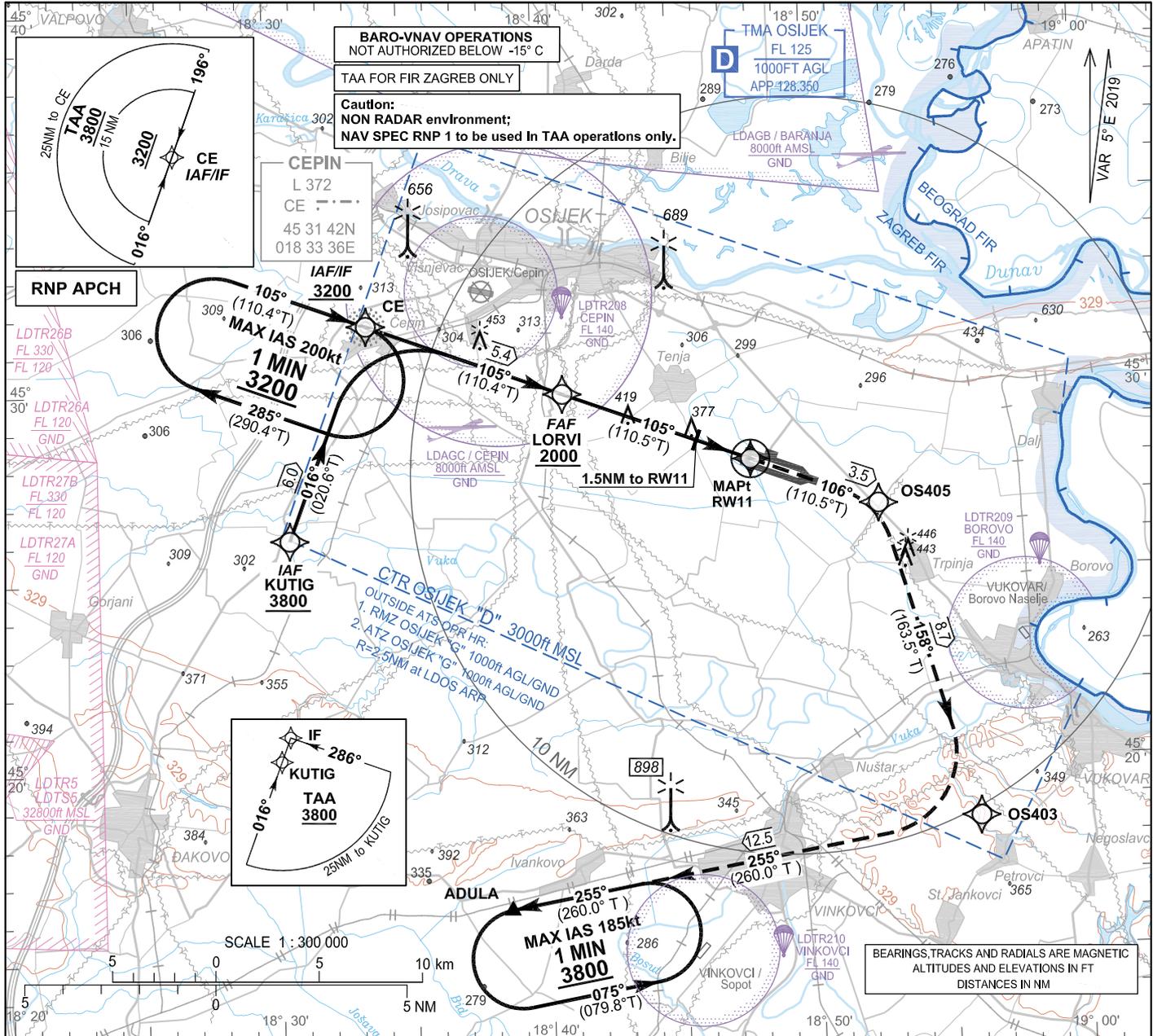
AD ELEV 291
HEIGHTS RELATED
TO THR 11 ELEV 291

SBAS
CH: 59925
E11A

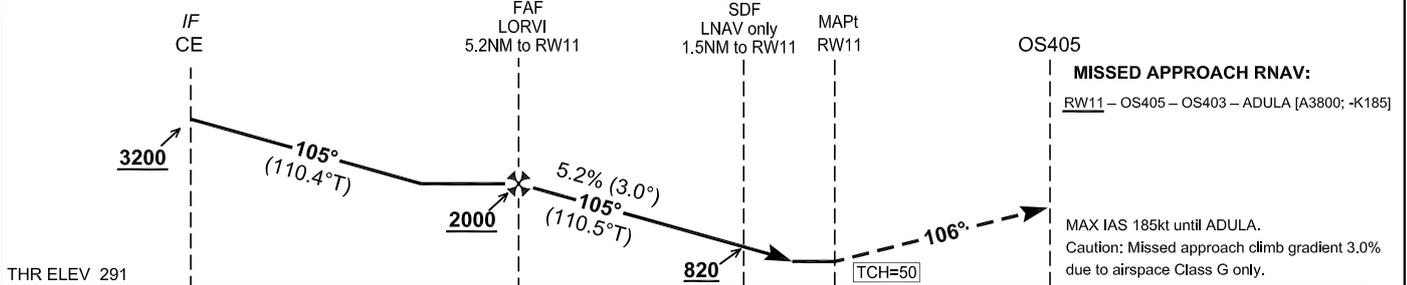
OSIJEK APPROACH 128.350
OSIJEK APPROACH ALTN 125.850
OSIJEK TOWER 128.350

OSIJEK / Klisa (LDOS)

RNP RWY 11



TRANSITION ALT 10 000



OCA(H)		Minimum missed approach climb gradient	A	B	C	D
Straight-in approach	LNAV	2.5%		610 (319)		
		3.0%	590 (299)	600 (309)	610 (319)	620 (329)
	LNAV / VNAV	2.5%		540 (249)		
		3.0%	550 (259)	560 (269)	570 (279)	580 (289)
Circling			790 (499)	890 (599)	1230 (939)	

DIST THR / RW11	NM	5	4	3	2	1	
Altitude	ft	1930	1610	1300	980	660	
Timing not authorized for defining the MAPt							
GS	kt	80	100	120	140	160	180
LORVI- RW11 (5.2NM)	min:sec	3:54	3:07	2:36	2:14	1:57	1:44
Rate of descent (5.2%)	ft/min	425	531	637	743	849	955

CHANGE: Parachuting zones added: Editorial.

Coding elements for FAS Data Block

Input data

Operation Type	0
SBAS Provider	1
Airport Identifier	LDOS
Runway	11
Runway Direction	0
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E11A
LTP/FTP Latitude	452758.6765N
LTP/FTP Longitude	0184746.9615E
LTP/FTP Ellipsoidal Height (metres)	132.6
FPAP Latitude	452730.2635N
Delta FPAP Latitude (seconds)	-28.4130
FPAP Longitude	0184934.6715E
Delta FPAP Longitude (seconds)	107.7100
Threshold Crossing Height	50.0
TCH Units Selector	0
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 13 0F 04 0C 0B 00 00 01 31 31 05 A9 13 83 13 23 08 11 08 2E 19 06 22 FF 7C 49 03 F4 01 2C 01 64 00 C8 FA 86 32 81 72
Calculated CRC Value	86328172

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	88.6
FPAP Orthometric Height (metres)	88.3

LDOS RNP RWY11

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	KUTIG	-	-	5°E	-	-	+3800	-	-	-	RNP APCH
020	IF	TF	CE	-	016° (020.6°T)	5°E	6.0	-	+3200	-	-	-	RNP APCH
010	IAF / IF	IF	CE	-	-	5°E	-	-	+3200	-	-	-	RNP APCH

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	CE	-	-	5°E	-	-	+3200	-	-	-	RNP APCH
020	FAF	TF	LORVI	-	105° (110.4°T)	5°E	5.4	-	+2000	-	-	-	
030	MAPt	TF	RW11	Y	105° (110.5°T)	5°E	5.2	-	-	-	3.0 / 50.0	-	
040	-	TF	OS405	-	106° (110.5°T)	5°E	3.5	-	-	-	-	-	
050	-	TF	OS403	-	158° (163.5°T)	5°E	8.7	-	-	-	-	-	
060	MAHF	TF	ADULA	-	255° (260.0°T)	5°E	12.5	-	3800	-185	-	-	
070	MAHF	HM	ADULA	-	255° (260.0°T)	5°E	1 MIN	L	3800	-185	-	Holding above 3800ft on ATC clearance only	RNP 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 (kt)	Magnetic variation	Remarks	NAV SPEC
CE	HM	105°	1MIN /	R	3200	-	200	5°E	-	RNP 1
		(110.4°T)	-							
ADULA	HM	255°	1MIN /	L	3800	-	185	5°E	-	RNP 1
		(260.0°T)	-							

Waypoint coordinates

Waypoint name	WGS-84 Latitude	WGS-84 Longitude
KUTIG	452605.5N	0183035.9E
CE	453142.33N	0183336.18E
LORVI	452948.1N	0184050.9E
RW11	452758.68N	0184746.96E
OS403	451825.8N	0185558.8E
OS405	452644.1N	0185229.4E
ADULA	451614N	0183831E

CHANGE: Parachuting zones added; Editorial.

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