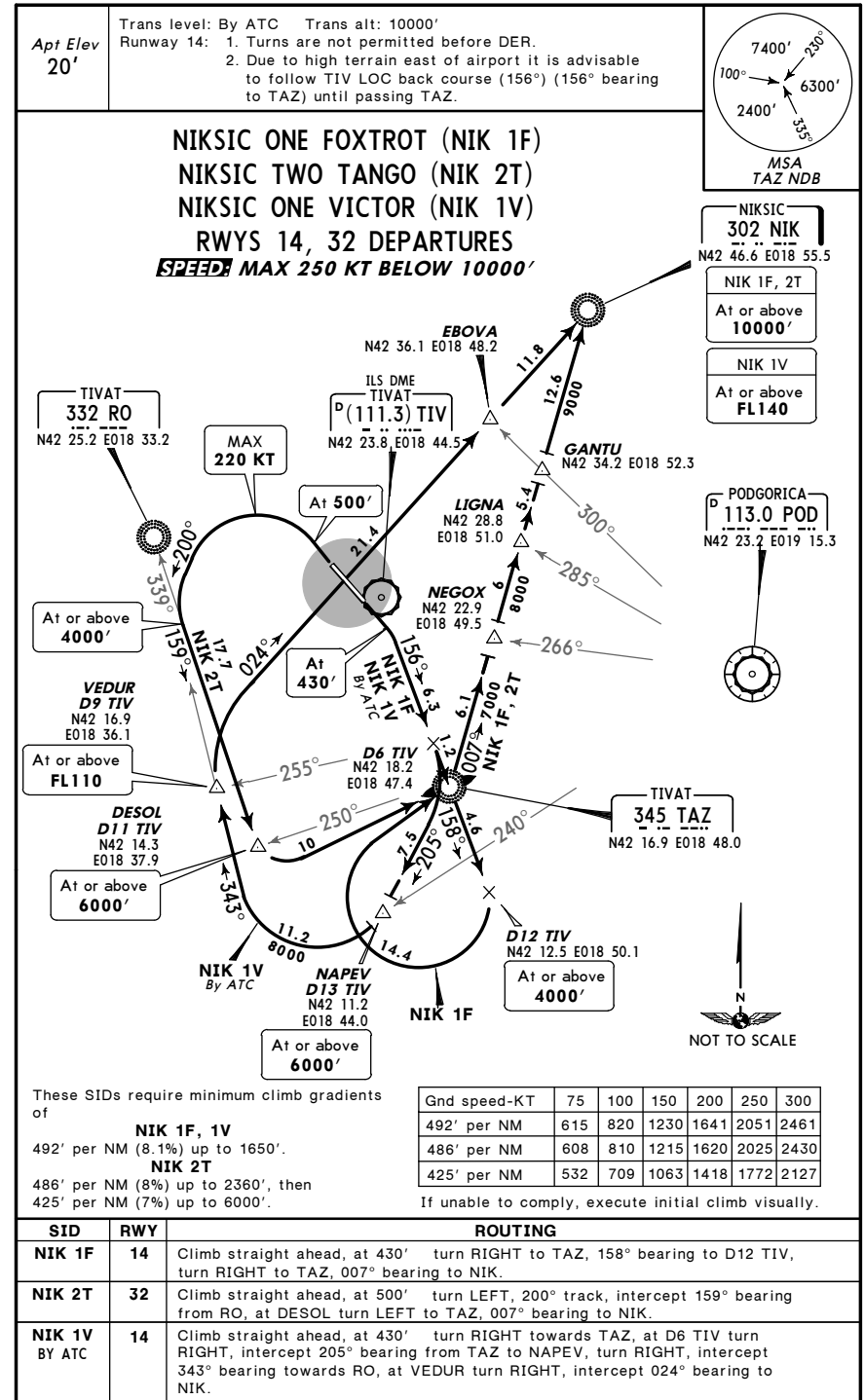
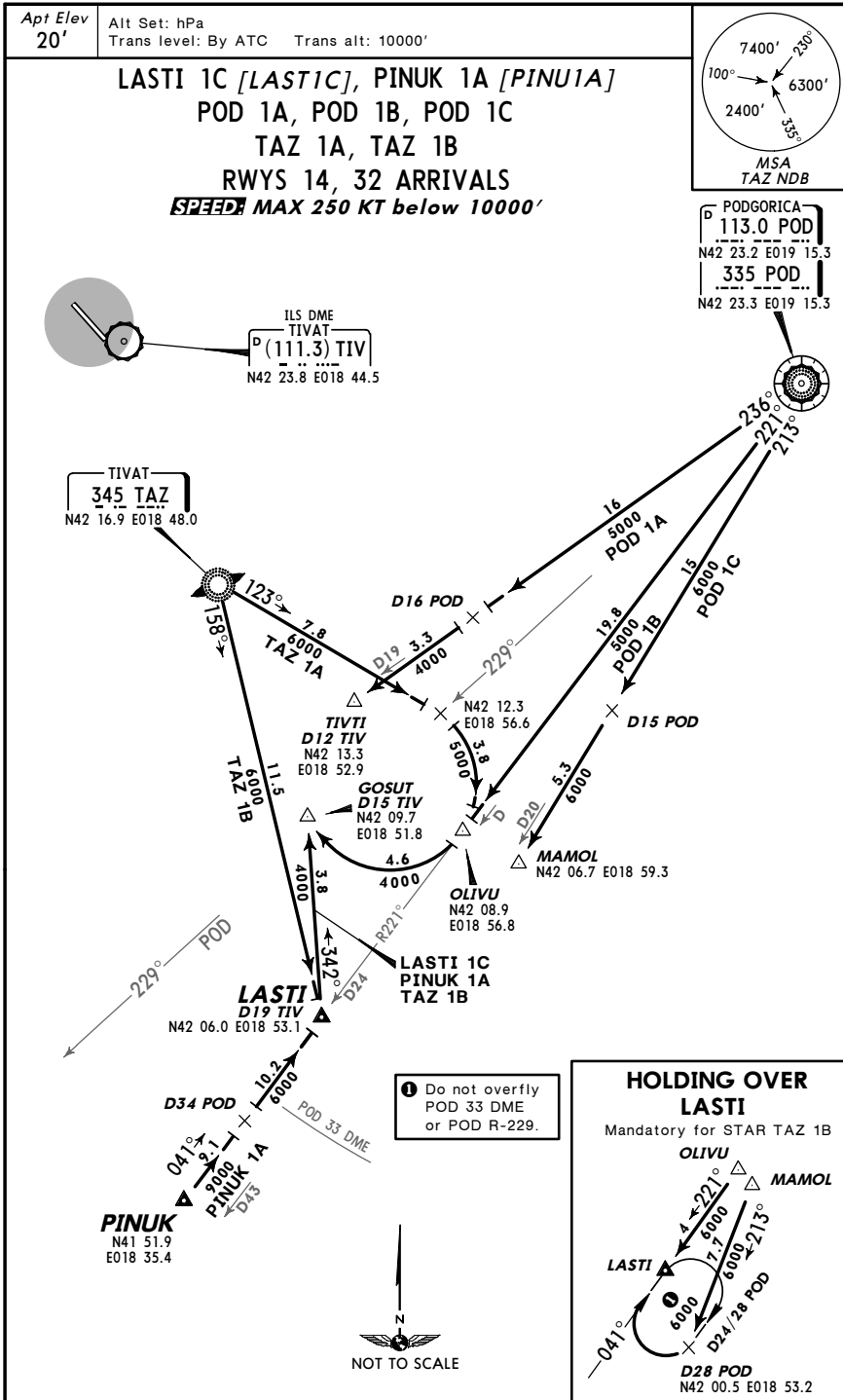




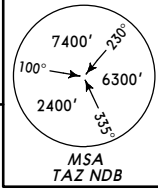
## Serbia and Montenegro vACC Aerodrome Charts - Tivat

[LYTV]

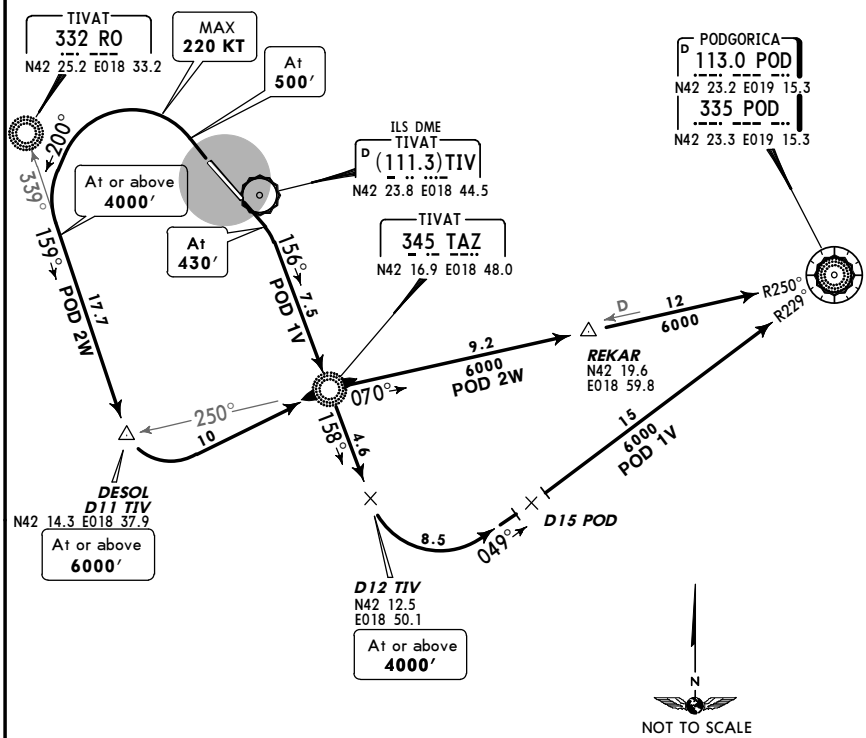
**Disclaimer:** These charts are intended for flight simulation purposes, and should not, under any circumstances, be used for real aviation navigation. Serbia and Montenegro virtual Area Control Center is not responsible for any material posted in this document, if used against this disclaimer.



Apt Elev 20'  
Trans level: By ATC Trans alt: 10000'  
Runway 14: 1. Turns are not permitted before DER.  
2. Due to high terrain east of airport it is advisable to follow TIV LOC back course (156°) (156° bearing to TAZ) until passing TAZ.



PODGORICA ONE VICTOR (POD 1V)  
PODGORICA TWO WHISKEY (POD 2W)  
RWYS 14, 32 DEPARTURES  
BY ATC  
**SPEED MAX 250 KT BELOW 10000'**



These SIDs require minimum climb gradients of  
**POD 1V**  
492' per NM (8.1%) up to 1650'.  
**POD 2W**  
486' per NM (8%) up to 2360', then  
425' per NM (7%) up to 6000'.

Gnd speed-KT	75	100	150	200	250	300
492' per NM	615	820	1230	1641	2051	2461
486' per NM	608	810	1215	1620	2025	2430
425' per NM	532	709	1063	1418	1772	2127

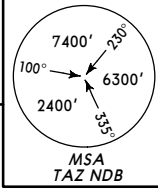
If unable to comply, execute initial climb visually.

SID	RWY	ROUTING
POD 1V	14	Climb straight ahead, at 430' turn RIGHT to TAZ, 158° bearing to D12 TIV, turn LEFT, intercept POD R-229 inbound to POD.
POD 2W	32	Climb straight ahead, at 500' turn LEFT, 200° track, intercept 159° bearing from RO, at DESOL turn LEFT to TAZ, intercept POD R-250 inbound to POD.

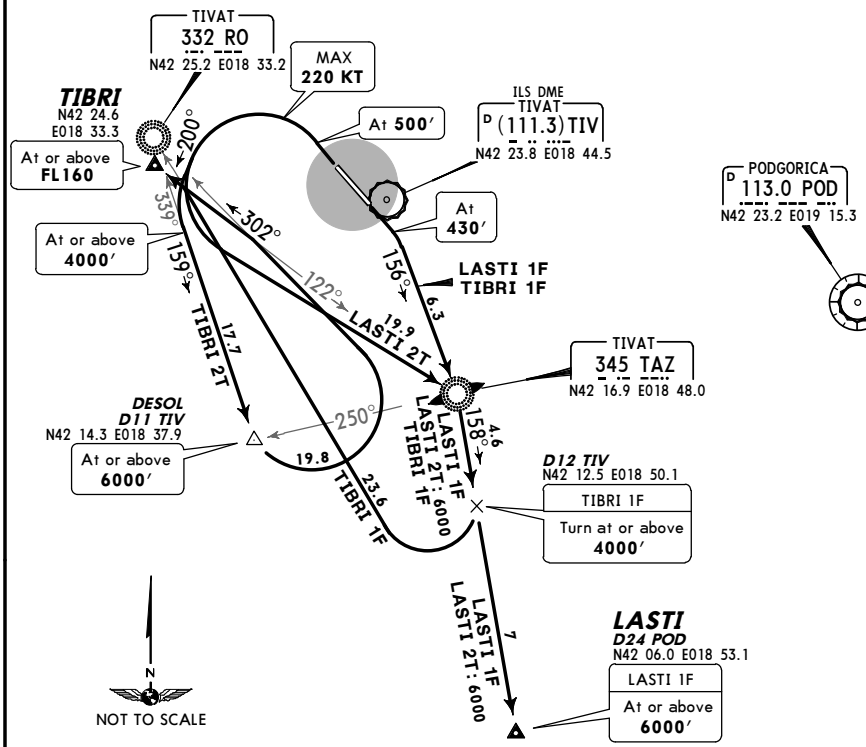
CHANGES: SID POD 1W renumbered 2W & revised.

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Apt Elev 20'  
Trans level: By ATC Trans alt: 10000'  
Runway 14: 1. Turns are not permitted before DER.  
2. Due to high terrain east of airport it is advisable to follow TIV LOC back course (156°) (156° bearing to TAZ) until passing TAZ.



LASTI ONE FOXTROT (LASTI 1F) [LAST1F]  
LASTI TWO TANGO (LASTI 2T) [LAST2T]  
TIBRI ONE FOXTROT (TIBRI 1F) [TIBR1F]  
TIBRI TWO TANGO (TIBRI 2T) [TIBR2T]  
RWYS 14, 32 DEPARTURES  
**SPEED MAX 250 KT below 10000'**



These SIDs require minimum climb gradients of  
**LASTI 1F, TIBRI 1F**  
492' per NM (8.1%) up to 1650'.  
**LASTI 2T, TIBRI 2T**  
486' per NM (8%) up to 2360', then  
425' per NM (7%) up to 6000'.

Gnd speed-KT	75	100	150	200	250	300
492' per NM	615	820	1230	1641	2051	2461
486' per NM	608	810	1215	1620	2025	2430
425' per NM	532	709	1063	1418	1772	2127

If unable to comply, execute initial climb visually.

SID	RWY	ROUTING
LASTI 1F	14	Climb straight ahead, at 430' turn RIGHT to TAZ, 158° bearing to LASTI.
LASTI 2T	32	Climb straight ahead, at 500' turn LEFT to TAZ, turn RIGHT, 158° bearing to LASTI.
TIBRI 1F	14	Climb straight ahead, at 430' turn RIGHT to TAZ, 158° bearing to D12 TIV, turn RIGHT towards RO, intercept 302° bearing from TAZ to TIBRI.
TIBRI 2T	32	Climb straight ahead, at 500' turn LEFT, 200° track, intercept 159° bearing from RO, at DESOL turn LEFT towards RO, intercept 302° bearing from TAZ to TIBRI.

CHANGES: SIDs RWY 32 renumbered & revised.

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LYTV/TIV

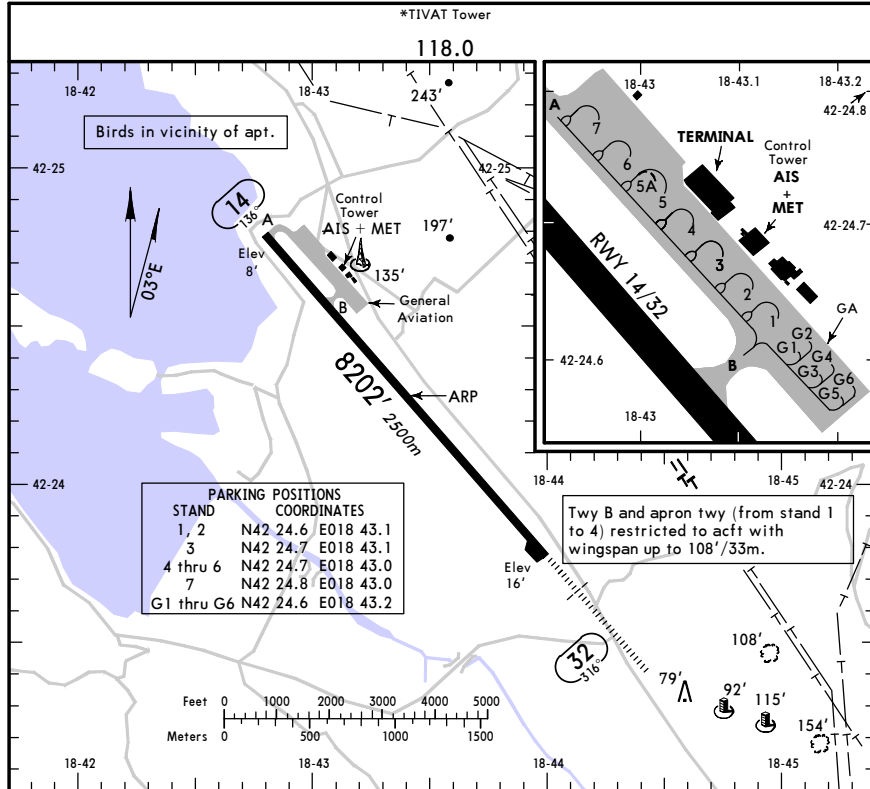
Apt Elev 20'  
N42 24.3 E018 43.4

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TIVAT, MONTENEGRO

30 JUL 10 (10-9)

TIVAT



ADDITIONAL RUNWAY INFORMATION

RWY	HIRL (60m)		PAPI (angle 3.0°)		USABLE LENGTHS LANDING BEYOND		TAKE-OFF	WIDTH
	Threshold	Glide Slope	Threshold	Glide Slope	Threshold	Glide Slope		
14	HIRL (60m)	PAPI (angle 3.0°)					2	148'
32	HIRL (60m)	HIALS	PAPI (angle 3.2°)					45m

① Usable from 5906'(1800m) in front of threshold, on longer distances not reliable.

② TAKE-OFF RUN AVAILABLE

RWY 14:  
From rwy head 8202'(2500m)  
twy B int 6398'(1950m)

JAR-OPS

TAKE-OFF 1

	All Rwys		
	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A	250m	400m	500m
B	250m	400m	500m
C	300m	400m	500m
D	300m	400m	500m

① Operators applying U.S. Ops Specs: CL required below 300m.

CHANGES: Apron General Aviation established. Parking stands.

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TIVAT

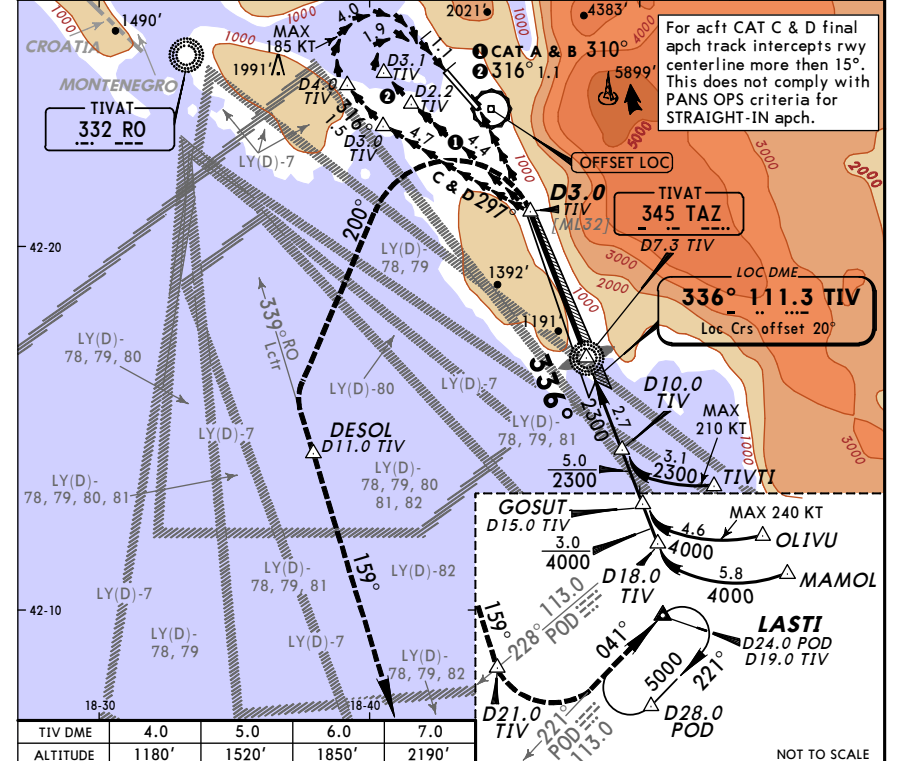
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TIVAT, MONTENEGRO

30 JUL 10 (11-1)

LOC DME Rwy 32

Approach Control through Tower *TIVAT Tower				118.0	
LOC TIV	Final Apch Crs	Minimum Alt TAZ NDB/MKR	MDA(H) Refer to Minimums	Apt Elev 20'	
111.3	336°	2300' (2280')			



TIV DME	4.0	5.0	6.0	7.0
ALTITUDE	1180'	1520'	1850'	2190'

Gnd speed-Kts	70	90	100	120	140	160	HIALS	Refer to Missed Apch above
Descent angle	3.21°	398	511	568	682	795	909	

JAR-OPS	STRAIGHT-IN LANDING RWY 32			CIRCLE-TO-LAND	
	Missed apch climb grad min			WITH PRESCRIBED FLIGHT TRACKS TO RWY 14	
MDA(H)	2.5%: 1320' (1300')	4.0%: 1220' (1200')	5.0%: 1170' (1150')	DAY	NIGHT
	3.0%: 1280' (1260')				
	ALS out			Max Kts	
A	1600m	2400m	100	1430' (1410')	2400m
B	2000m	2800m	135	1430' (1410')	2800m
C	4000m	4800m	180	2040' (2020')	4800m
D	4400m	5200m	205	2040' (2020')	5200m

CHANGES: None.

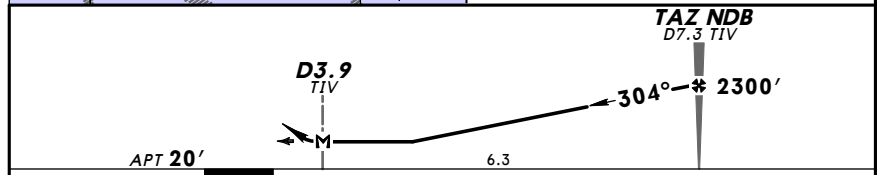
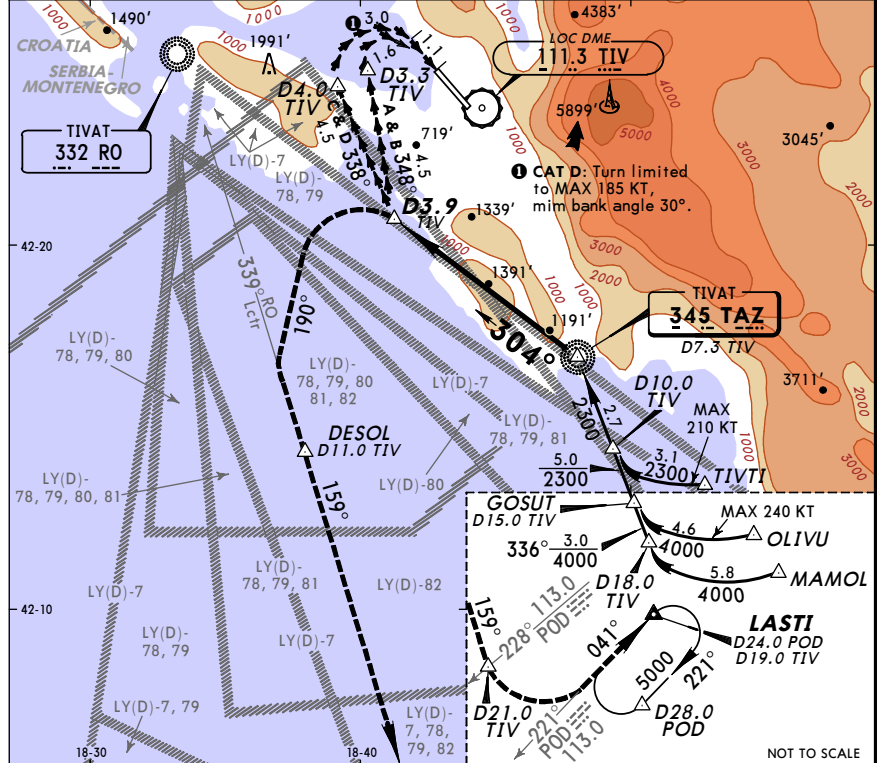
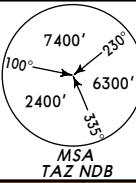
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TIVAT

JEPPESEN  
29 AUG 08 (16-1)

TIVAT, SERBIA-MONTENEGRO  
CAT C & D: MISSED APCH  
CLIMB GRAD MIM 3.1%  
CIRCLING NDB DME Rwy 14

Approach Control through Tower *TIVAT Tower 118.0				
NDB TAZ <b>345</b>	Final Apch Crs <b>304°</b>	Minimum Alt TAZ NDB <b>2300'</b> (2280')	MDA(H) <b>1660'</b> (1640')	Apt Elev <b>20'</b>
<p><b>MISSED APCH:</b> Turn LEFT (MAX 185 KT) onto 190°, then proceed onto 159° from RO Lctr climbing to 5000'. At D21.0 TIV/R-228 POD turn LEFT to LASTI, or as directed.</p> <p><b>MISSED APCH (DURING VISUAL APPROACH):</b> Initial climbing turn toward the runway, then proceed climbing to TAZ NDB and as directed.</p>				
Alt Set: hPa	Apt Elev: 1 hPa	Trans level: By ATC	Trans alt: 10000'	



Gnd speed-Kts	70	90	100	120	140	160			
Descent Gradient	5.6%	3.97	5.10	5.67	6.81	7.94	9.07		
MAP at D3.9 TIV or TAZ NDB to MAP	6.3	5:24	4:12	3:47	3:09	2:42	2:22		

JAR-OPS				CIRCLE-TO-LAND WITH PRESCRIBED FLIGHT TRACKS TO RWY 14			
		DAY		NIGHT			
	Max Kts	MDA(H)	vis				
A	100	1660' (1640')	2400m	NOT AUTHORIZED			
B	135	1660' (1640')	2800m				
C	180	1660' (1640')	4800m				
D	205	1660' (1640')	5200m				

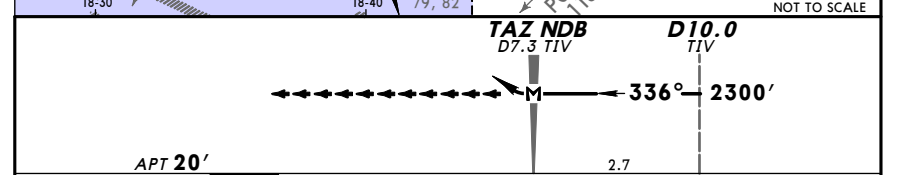
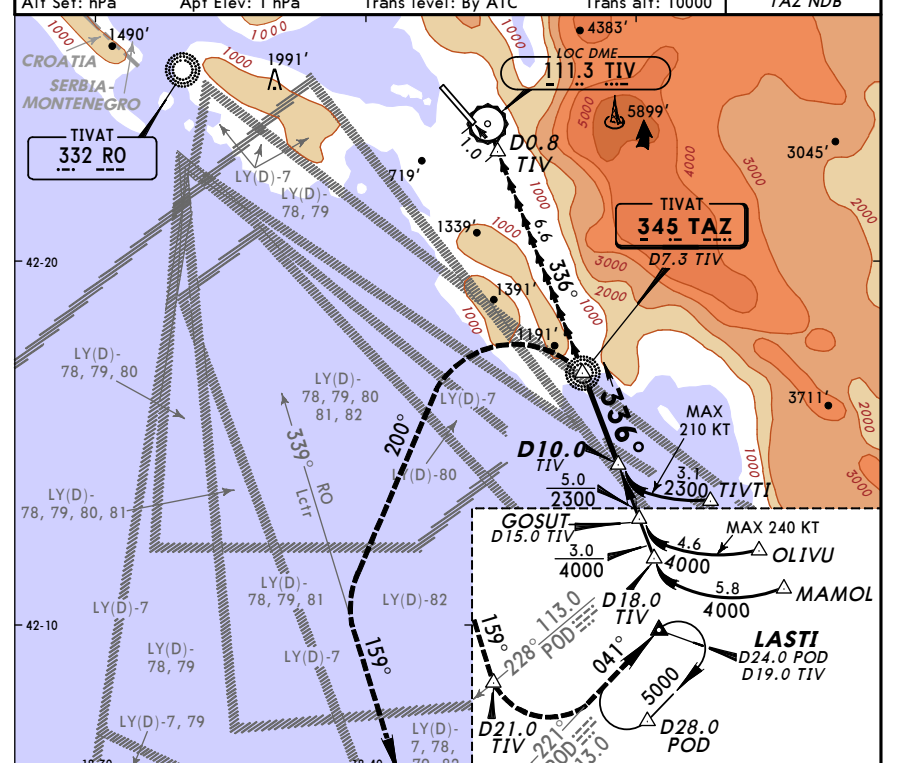
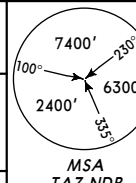
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TIVAT

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29 AUG 08 (16-2)

TIVAT, SERBIA-MONTENEGRO  
CIRCLING NDB DME Rwy 32

Approach Control through Tower *TIVAT Tower 118.0				
NDB TAZ <b>345</b>	Final Apch Crs <b>336°</b>	Minimum Alt No FAF <b>2300'</b> (2280')	MDA(H) <b>2300'</b> (2280')	Apt Elev <b>20'</b>
<p><b>MISSED APCH:</b> Turn LEFT onto 200°, then proceed onto 159° from RO Lctr climbing to 5000'. At D21.0 TIV/R-228 POD turn LEFT to LASTI, or as directed.</p> <p><b>MISSED APCH (DURING VISUAL APPROACH):</b> Initial climbing turn toward the runway, then proceed climbing to TAZ NDB and as directed.</p>				
Alt Set: hPa	Apt Elev: 1 hPa	Trans level: By ATC	Trans alt: 10000'	



JAR-OPS				CIRCLE-TO-LAND WITH PRESCRIBED FLIGHT TRACKS TO RWY 32			
		DAY		NIGHT			
	Max Kts	MDA(H)	vis				
A	100	2300' (2280')	2400m	NOT AUTHORIZED			
B	135	2300' (2280')	2800m				
C	180	2300' (2280')	4800m				
D	205	2300' (2280')	5200m				

JAR-OPS				CIRCLE-TO-LAND WITH PRESCRIBED FLIGHT TRACKS TO RWY 32			
		DAY		NIGHT			
	Max Kts	MDA(H)	vis				
A	100	2300' (2280')	2400m	NOT AUTHORIZED			
B	135	2300' (2280')	2800m				
C	180	2300' (2280')	4800m				
D	205	2300' (2280')	5200m				

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