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S 013. THE INSTRUMENT APPROACH PROCEDURES AND DETAILED DESCRIPTION OF ŠIAULIAI MILITARY AERODROME

Replaces AIP SUP 005/2016.

1. In accordance with Paragraph 2 of Article 7 of the Law on Aviation of the Republic of Lithuania, Chapter 6 of ICAO Doc 9365 AN/910 and Chapter 3 of LKS STANAG 3759 AATCP -1 (D1) "For the Preparation of Instrument Approach and Departure Procedures" and also in accordance with Order No. V-947 of 4 July 2017 of the Commander of the Lithuanian Armed Forces "On the Approval of Operating Minima for Runways 14L/32R and 14R/32L at Šiauliai Military Aerodrome", the following instrument approach procedures have been updated for military aircraft at Šiauliai military aerodrome:

- 1.1 Aerodrome Chart – EYSA;
- 1.2 Aerodrome Ground Movement and Parking Chart – EYSA;
- 1.3 Instrument Approach Chart EYSA ILS or LOC RWY 14L;
- 1.4 Instrument Approach Chart EYSA ILS or LOC RWY 32R;
- 1.5 Instrument Approach Chart EYSA PAR RWY 32R;
- 1.6 Instrument Approach Chart EYSA PAR RWY 32L;
- 1.7 Instrument Approach Chart EYSA VOR RWY 14R;
- 1.8 Instrument Approach Chart EYSA VOR RWY 32L;
- 1.9 Instrument Approach Chart EYSA TACAN RWY 14L;
- 1.10 Instrument Approach Chart EYSA TACAN RWY 32R;
- 1.11 Instrument Approach Chart EYSA TACAN RWY 14R;
- 1.12 Instrument Approach Chart EYSA TACAN RWY 32L;
- 1.13 Aeronautical Data Tabulation.

2. AERODROME LOCATION INDICATOR AND NAME
EYSA - ŠIAULIAI/Military

2.1 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and Site at AD	5553.63N 02323.70E 137°/1750 M from THR RWY 14L
2	Direction and distance from (city)	123°, 6.5 KM from Šiauliai
3	Elevation/Reference temperature	447 FT(136 M)/19°C
4	Geoid undulation at AD ELEV PSN	77 FT (24 M)
5	Magnetic Variation/Annual change	9° E (2016)/0.13° increasing
6	Aerodrome Administration, Address, Phone, Fax, AFS	Air Force Air Base Lakunu Str. 3 LT-77103 Šiauliai Lithuania Phone:+370 41 59 21 04 Fax: +370 41 59 21 92 AFS: EYSAZPZX
7	Type of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	NIL

2.2 OPERATIONAL HOURS

1	AD Administration AD Operator	MON - FRI: 0600 - 1500 (0500 - 1400) Daily H24
2	Customs and Immigration	O/R: H24
3	Health and Sanitation	O/R: H24
4	AIS Briefing Office	Daily: 0600 – 1800 (0500 - 1700) Outside these HR FPL and associated MSG should be sent to EYSAZTZX.
5	ATS Reporting Office (ARO)	H24 or self-briefing H24
6	MET Briefing Office	H24
7	ATS	H24
8	Fueling	O/R: H24
9	Handling	O/R: H24
10	Security	O/R: H24
11	De-icing	O/R: H24
12	<p>Remarks:</p> <p>1. Permits for all civil and military flights shall be obtained from the Administration of Air Base. Prior permission request (PPR) to Šiauliai AD (see AIC A 003/2013) shall be submitted not later than 24 HRs before the planned flight by Fax: +370 41 39 80 14, AFS: EYSAZPZX or email: abwoc@mil.lt. Permits for flights at weekend and on holidays shall be obtained on the last working day of week. Contact Tel: +370 41 42 06 13.</p> <p>2. Military aircraft on international transit flights via Šiauliai airport will not be supplied with the VAT-exempt fuel of the Air Base. Supply of the Air Base's fuel (with VAT) is subject to prior coordination with the administration of the Air Base.</p> <p>3. Fuel supply without VAT is available from the civil site of aerodrome. Prior coordination with Šiauliai airport administration is required. Contact Tel: +370 41 54 20 05, e-mail: ops.airport@siauliai.lt</p>	

2.3 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Up to 7.5 tons
2	Fuel/oil types	Jet A-1 Oil: NIL
3	Fuelling facilities/capacity	Fuelling service has to be requested when filling PPR.
4	De-icing Facility	De-icing service has to be requested when filling PPR.
5	Hangar space for visiting ACFT	NIL
6	Repair facilities for visiting ACFT	NIL
7	Oxygen	Oxygen service has to be requested when filling PPR.
8	Aircraft power supply	GPU has to be requested when filling PPR.
9	Remarks	NIL

2.4 PASSENGER FACILITIES

1	Hotels	In the city, on request at airport.
2	Restaurant	At AD and in the city.
3	Transportation	Buses, taxies on request, rent a car.
4	Medical facilities	First Aid at AD. Hospitals in the city.
5	Bank and Post Office	In the city.
6	Tourist Office	In the city.
7	Remarks	Hotel and transport services have to be requested when filling PPR.

2.5 RESCUE AND FIRE FIGHTING SERVICE

1	AD category for fire fighting	A7 (H24)
2	Rescue equipment	Available
3	Capability for removal or disabled ACFT	Hydraulic jacks available.
4	Remarks	NIL

2.6 SEASONAL AVAILABILITY – CLEARING

1	Types of clearing equipment	Universal aerodrome cleaning vehicles, snow blowers, reagent sprayers, reagent spreaders.
2	Clearance priorities	1. RWY 14L/32R, TWY J, F, QRA aircraft parking positions. 2. RWY 14R/32L, TWY K, L, G, H, N, O; aprons: MA3, MA1, MA2.
3	Remarks	Information on snow clearance published from NOV to APR in SNOWTAMs. See also the Snow Plan in Section AIP AD 1.2.2.

2.7 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	Apron A Dimensions: 500x75 M	Surface: CONC	Strength: PCN 120 R/C/W/T
		Apron MA1 Dimensions: 200x55 M	CONC	PCN 120 R/C/W/T
		Apron MA2¹ Dimensions: 70x35 M	CONC	PCN 120 R/C/W/T
		Apron MA3 Dimensions: 393x223 M	CONC	PCN 120 R/D/W/T
		Apron MA4 Dimensions: 229x66 M	CONC	PCN 120 R/C/W/T
		Apron MA5 Dimensions: 2 parking areas 70x50 M	CONC	PCN 66 R/D/W/T
2	TWY width, surface and strength	Width: TWY A, B: 69 FT (21 M)	Surface: CONC	Strength: PCN 120 R/C/W/T
		TWY F²: 39 FT (12 M)	CONC+ASPH	PCN 96 R/C/W/T
		TWY G: 79 FT (24 M)		PCN 120 R/C/W/T
		TWY H: 79 FT (24 M)		PCN 110 R/C/W/T
		TWY I: 46 FT (14 M)		PCN 120 R/C/W/T
		TWY J: 72 FT (22 M)		PCN 70 R/C/W/T
		TWY K²: 39 FT (12 M)		PCN 74 R/C/W/T
		TWY L²: 39 FT (12 M)		PCN 120 R/C/W/T
		TWY M²: 39 FT (12 M)		PCN 71 R/D/W/T
		TWY N, O: 76 FT (23 M)		PCN 120 R/B/W/T
TWY P: 39 FT (12 M)	PCN 120 R/B/W/T			
3	Altimeter checkpoint location and elevation	Location: Aircraft stands 1, 2 ir 3 - 4 5, 6 ir 7 - Area: 37.500 M ² 8	Elevation 436 FT (133 M) 439 FT (134 M) 443 FT (135 M) 433 FT (132 M)	Dimensions: 54 × 44 M Dimensions: 500 × 75 M Dimensions: 54 × 48 M
4	VOR checkpoints	VOR: NIL		
5	INS checkpoints	INS: In all aircraft stands except 4 and 8 . See Aerodrome Ground Movement and Parking Chart - EYSA.		
6	Remarks	<ol style="list-style-type: none"> On MA2 engines start up or test is prohibited. TWY F, K, L and M - for military aircraft only. 		

2.8 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Aircraft stand ID signs, apron safety lines and TWY guide lines markings. TWY and holding position markings.
2	RWY and TWY markings and LGT	RWY: designation, centre line, THR, fixed distance zones, TDZ, side stripe. Lights: RWY edge, RWY THR and RWY end. TWY: Centre line markings, holding position markings at the intersection of TWYs A, B, G, H, I, J, N, O, P and RWY. Edge lights on TWYs A, B, F, G, H, I, J, N, O and P - blue, LIM.
3	Stop bars	NIL
4	Remarks	1. Centre line inset green lights on TWY K . 2. Holding position markings of TWY F and K : NIL.

2.9 AERODROME OBSTACLES

See AIP, table AD 2.10 on page AD - EYSA - 4.

2.10 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	Šiauliai
2	Hours of service. MET Office outside hours.	H24
3	Office responsible for TAF preparation. Periods of validity. Interval of Issuance.	Vilnius/Aviation meteorological centre 9 HR 3 HR
4	Trend of forecast. Interval of Issuance.	TREND with MIL color state.
5	Briefing/Consultation provided	P, T, D* TEL: +370 706 74 710
6	Flight Documentation. Language(s) used.	C, TB: TAF, METAR, SIGMET, AIRMET, GAMET, WAFC charts English
7	Charts and other INFO available for briefing or consultation	S, U, P, W, SWH, SWM*
8	Supplementary EQPT available for providing information	MESSIR NET
9	ATS units provided with information	Šiauliai Tower
10	Additional information (limitation of service)	For RVR messages and locations of transmissometers see AIP section GEN 3.5. *see abbreviations in AIP section GEN 3.5.10.

2.11 RUNWAY PHYSICAL CHARACTERISTICS

RWY Designation	TRUE BRG	Dimensions of RWY FT(M)	Strength (PCN) and surface of RWY and SWY	THR/RWY end coordinates	THR ELEV & highest ELEV of TDZ of precision APP RWY
1	2	3	4	5	6
14L	146.08°	11483 x 148 (3500 x 45)	PCN 120 F/B/W/T CONC+ASPH	5554.41N 02322.76E	447 FT (136.1 M)
32R	326.08°	11483 x 148 (3500 x 45)	PCN 120 F/B/W/T CONC+ASPH	5552.85N 02324.64E	441 FT (134.5 M)
14R	146.08°	10643 x 105 (3244 x 32)	PCN 120 R/D/W/T CONC+ASPH	5554.25N 02322.68E	441 FT (134.5 M)
32L	326.08°	10643 x 105 (3244 x 32)	PCN 120 R/D/W/T CONC+ASPH	5552.80N 02324.42E	436 FT (132.8 M)
RWY Designation	Slope of RWY/SWY	RESA dimensions FT(M)	CWY dimensions FT(M)	Strip dimensions FT(M)	OBST-free zone
	7	8	9	10	11
14L	-0.05%	787 x 295 (240 x 90)	1476 x 984 (450 x 300)	11877 x 984 (3620 x 300)	NIL
32R	+0.05%	787 x 295 (240 x 90)	1476 x 984 (450 x 300)	11877 x 984 (3620 x 300)	
14R	-0.04%	197 x 115 (60 x 35)	295 x 115 (90 x 35)	11037 x 115 (3364 x 35)	NIL
32L	+0.04%	197 x 115 (60 x 35)	295 x 115 (90 x 35)	11037 x 115 (3364 x 35)	
12 Remarks: RWY 14L/32R – no stopway.					

2.12 DECLARED DISTANCES

RWY Designation	TORA FT(M)	TODA FT(M)	ASDA FT(M)	LDA FT(M)	Remarks
1	2	3	4	5	6
14L From TWY B, H	11483 (3500)	12959 (3950)	11483 (3500)	11483 (3500)	NIL
	8694 (2650)	10171 (3100)	8694 (2650)	8694 (2650)	NIL
32R From TWY I	11483 (3500)	12959 (3950)	11483 (3500)	11483 (3500)	NIL
	9678 (2950)	11155 (3400)	9678 (2950)	9678 (2950)	NIL
14R	10643 (3244)	10938 (3334)	10643 (3244)	10643 (3244)	NIL
32L	10643 (3244)	10938 (3334)	10643 (3244)	10643 (3244)	NIL

2.13 APPROACH AND RUNWAY LIGHTING

RWY Designation	APCH LGT Type, Length FT(M), INTST	THR LGT Colour, WBAR	VASIS, (MEHT) PAPI	TDZ, LGT Length FT(M)	RWY CL LGT Length FT(M), spacing, colour, INTST	RWY Edge LGT Length FT(M), spacing, colour, INTST	RWY End LGT Colour, WBAR	SWY LGT Length FT(M), Colour
1	2	3	4	5	6	7	8	9
14L	Barrette, 2953 (900) LIH, CAT I	GRN, LIH	PAPI LEFT 3.0° (70 FT)	NIL	11483 (3500), spacing 98 (30), white FM RWY THR to 2953 (900) FM RWY end, red and white FM 2953 (900) to 984 (300) FM RWY end, red FM 984 (300) to RWY end, LIH	11483 (3500), spacing 197 (60), white, last 1969 (600) yellow LIH	RED	NIL
32R	Barrette, 2953 (900) LIH, CAT I	GRN, LIH	PAPI LEFT 3.0° (65 FT)	NIL	11483 (3500), spacing 98 (30), white FM RWY THR to 2953 (900) FM RWY end, red and white FM 2953 (900) to 984 (300) FM RWY end, red FM 984 (300) to RWY end, LIH	11483 (3500), spacing 197 (60), white, last 1969 (600) yellow LIH	RED	NIL
14R	NIL	GRN, LIH	VASIS	NIL	10643 (3244), spacing 197 (60), white, last 1969 (600) yellow, LIH	10643 (3244), spacing 197 (60), white, last 1969 (600) yellow LIH	RED	NIL
32L	NIL	GRN, LIH	VASIS	NIL	10643 (3244), spacing 197 (60), white, last 1969 (600) yellow, LIH	10643 (3244), spacing 197 (60), white, last 1969 (600) yellow LIH	RED	NIL
10 Remarks: NIL								

2.14 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	NIL
2	LDI location and LGT Anemometer location and LGT	LDI: NIL Wind sensors: 1227 FT (374 M) from THR RWY14L; 1109 FT (338 M) from THR RWY32R, lighted.
3	TWY edge and centre line lighting	Edge: TWY A, B, F, G, H, I, J, N, O and P - edge lights, blue, LIM. Centre line: Centre line inset green lights on TWY K.
4	Secondary Power Supply/Switch-over time	Secondary power supply to all lighting at AD. Switch-over time: 15 SEC.
5	Remarks	NIL

2.15 HELICOPTER LANDING AREA

1	Coordinates TLOF THR of FATO Geoid undulation	NW from RWY 14R (MA1 and TWY M)
2	TLOF and/or FATO elevation (M/FT)	NIL
3	TLOF and FATO area dimensions, surface, strength, marking	Dimensions: 20 x 26 M Surface: CONC PCN 71 R/D/W/T Marking: H
4	True BRG of FATO	NIL
5	Declared DIST available	NIL
6	APCH and FATO Lighting	NIL
7	Remarks	1. For civil helicopters landing on RWY. 2. For military helicopters landing at the Air Force Area (See Aerodrome Chart – EYSA and Aerodrome Ground Movement and Parking Chart – EYSA).

2.16 ATS AIRSPACE (CTR)

1	Designation and Lateral Limits	CTR 5608.25N 02321.15E - 5548.33N 02344.95E - 5545.33N 02342.93E - 5539.00N 02326.20E - 5600.40N 02300.47E - 5608.25N 02321.15E
2	Vertical limits	GND to 3000 FT MSL
3	Airspace classification	D*
4	ATS unit call sign. Language(s)	ŠIAULIAI TOWER Lithuanian/English
5	Transition altitude	5000 FT MSL
6	Remarks	*Class of airspace G when ATC service does not provided.

2.17 ATS AIRSPACE (TIZ)

1	Designation and Lateral Limits	TIZ 5606.30N 02319.18E - 5546.50N - 02342.85E - 5540.95N 02328.15E - 5600.70N 02304.42E - 5606.30N 02319.18E
2	Vertical limits	GND to 4500 FT MSL
3	Airspace classification	G
4	ATS unit call sign. Language(s)	ŠIAULIAI PRECISION EN
5	Transition altitude	5000 FT MSL
6	Remarks	TIZ is radio mandatory zone (RMZ). In RMZ pilots shall maintain continuous air ground voice communication watch and establish two-way communication, as necessary, on the appropriate communication channel. Before entering RMZ, a pilot shall establish radio communication, and transmit call sign, type of aircraft, position, level, and intentions of the flight.

2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	FREQ	HR of Operation	Remarks
1	2	3	4	5
TWR	Šiauliai Tower	120.400 MHz	H24	
ATS		121.500 MHz 243.000 MHz	H24	Emergency FREQ
GCA	Šiauliai Precision	129.775 MHz 308.875 MHz		Service is provided in English on request not later than 15 min (out of hours and at weekends not later than 60 min) before planned landing.
ATIS	Šiauliai ATIS	120.750 MHz	H24	EN only

2.19 RADIO NAVIGATION AND LANDING AIDS

Type of Aid, CAT of ILS/MLS (For VOR/ILS/MLS, give VAR)	IDENT	FREQ (Channel)	HR of Operation	Site of transmitting antenna Coordinates	ELEV of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
DVOR/DME (9° E/2016)	SAU	115.200 MHz (CH 99X)	H24	5552.74N 02324.98E	500 FT	
TACAN (9° E/2016)	SQQ	116.300 MHz (CH 110X)	H24	5553.43N 02324.14E	500 FT	
ILS RWY 14L CAT I (9° E/2016)						
LOC	ISZ	108.300 MHz	H24	5552.69N 02324.82E		Reliable indication only in +/-25° sector from RCL
GP		334.100 MHz	H24	5554.30N 02323.04E		3.0°, RDH 57 FT
MM		75 MHz	H24	5554.88N 02322.20E		
ILS RWY 32R CAT I (9° E/2016)						
LOC	IDL	108.700 MHz	H24	5554.57N 02322.58E		Reliable indication only in +/-25° sector from RCL
GP		330.500 MHz	H24	5553.02N 02324.57E		3.0°, RDH 50 FT
MM		75 MHz	H24	5552.38N 02325.20E		

2.20 ARREST SYSTEM RWY 14L/32R

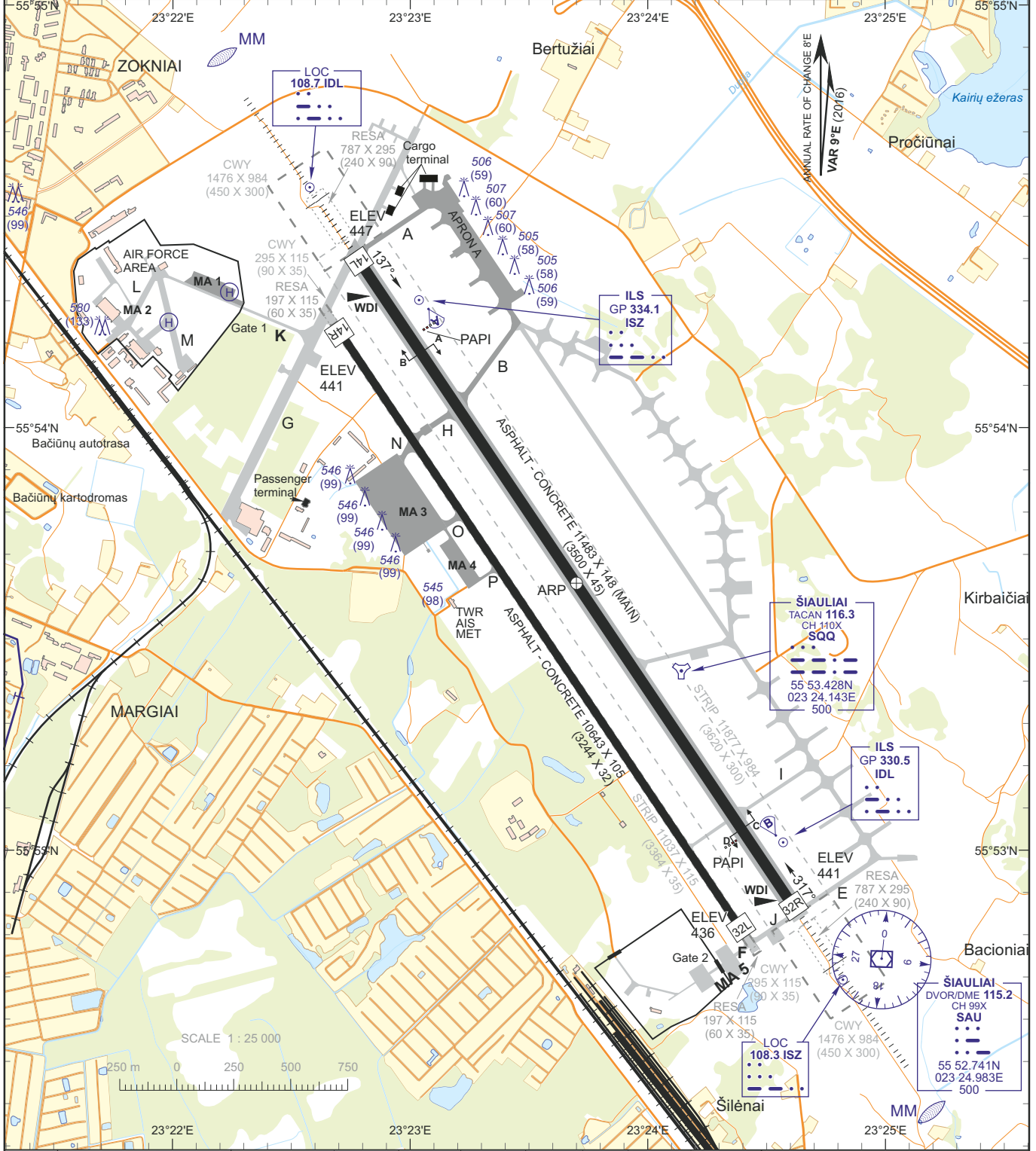
Main runway		RWY 14L	RWY 32R
1	Name	Portarrest BAK-12	Portarrest BAK-12
2	Type	Cable (steel rope)	Cable (steel rope)
3	Minimum arrest distance	1200 FT (366 M)	1200 FT (366 M)
4	Maximum mass	50000 Lbs/190 Kts	50000 Lbs/190 Kts
5	Cable's diameter	32 MM	32 MM
6	Cable's height from RWY	~7 - 8 CM	~7 - 8 CM
7	Location on RWY	1581 FT (482 M) from THR, 295 FT (90 M) on both sides from RWY CL	1476 FT (450 M) from THR, 295 FT (90 M) on both sides from RWY CL
8	Alternative RWY	NIL	NIL
9	Remarks	NIL	

- END -

LITHUANIA

FOR MILITARY ACFT ONLY

AERODROME CHART	55 53.63 N	AERODROME ELEV 447	ATIS	120.750	ŠIAULIAI / EYSA
	023 23.70 E		TWR	120.400	
	Geoid undulation	HEIGHTS RELATED	GCA	129.775	
	77 (23.5)	TO AD ELEV		308.875	
		ELEV. ALT IN FT	ATS (Emergency FREQ)	121.500	
		DIST IN FT (METRES)		243.000	
		BRG. TRACK ARE MAG			



RWY	THR	STRENGTH	TORA	ASDA	TODA	LDA	ASI	ALS	TDZE	AERODROME LIGHTING
14L	55 54.41N 023 22.76E	PCN 120 F / B / W / T	11483 (3500)	11483 (3500)	12959 (3950)	11483 (3500)	P 3.0°		447	AERODROME LIGHTING APCH lights: RWY 14L 2953 (900) LIH CAT I RWY 32R 2953 (900) LIH CAT I Visual slope PAPI RWY 14L 3.0° MEHT (70FT) LEFT RWY 32R 3.0° MEHT (65FT) LEFT RWY lights: white, last 1969 (600) yellow LIH white CL, next 2953 (900) white and red alternately, last 984 (300) red, LIH green THR lights LIH red end lights LIH TWY lights: edge lights blue, LIM
32R	55 52.85N 023 24.64E		11483 (3500)	11483 (3500)	12959 (3950)	11483 (3500)	P 3.0°	⊙	441	
14R	55 54.25N 023 22.68E	PCN 120 R / D / W / T	10643 (3244)	10643 (3244)	10938 (3334)	10643 (3244)	P 3.0°		441	
32L	55 52.80N 023 24.42E		10643 (3244)	10643 (3244)	10938 (3334)	10643 (3244)	P 3.0°		436	

Notes:

- Alternative RWY 14R/32L is used for military OPR only.
- aircraft arresting gear A, B, C, D
- (H) - landing for military helicopters.
- F, K, L, M - military TWYs, MA - military apron.
- TWY E is not used
- MA 2 - engines start up or test is prohibited. ACFT on stands 1,2,3 must not start up engines until the ACFT is placed at a designated start up position on MA 1 or TWY G. ACFT shall obtain push back(towing)/start up instructions from TWR prior start up.

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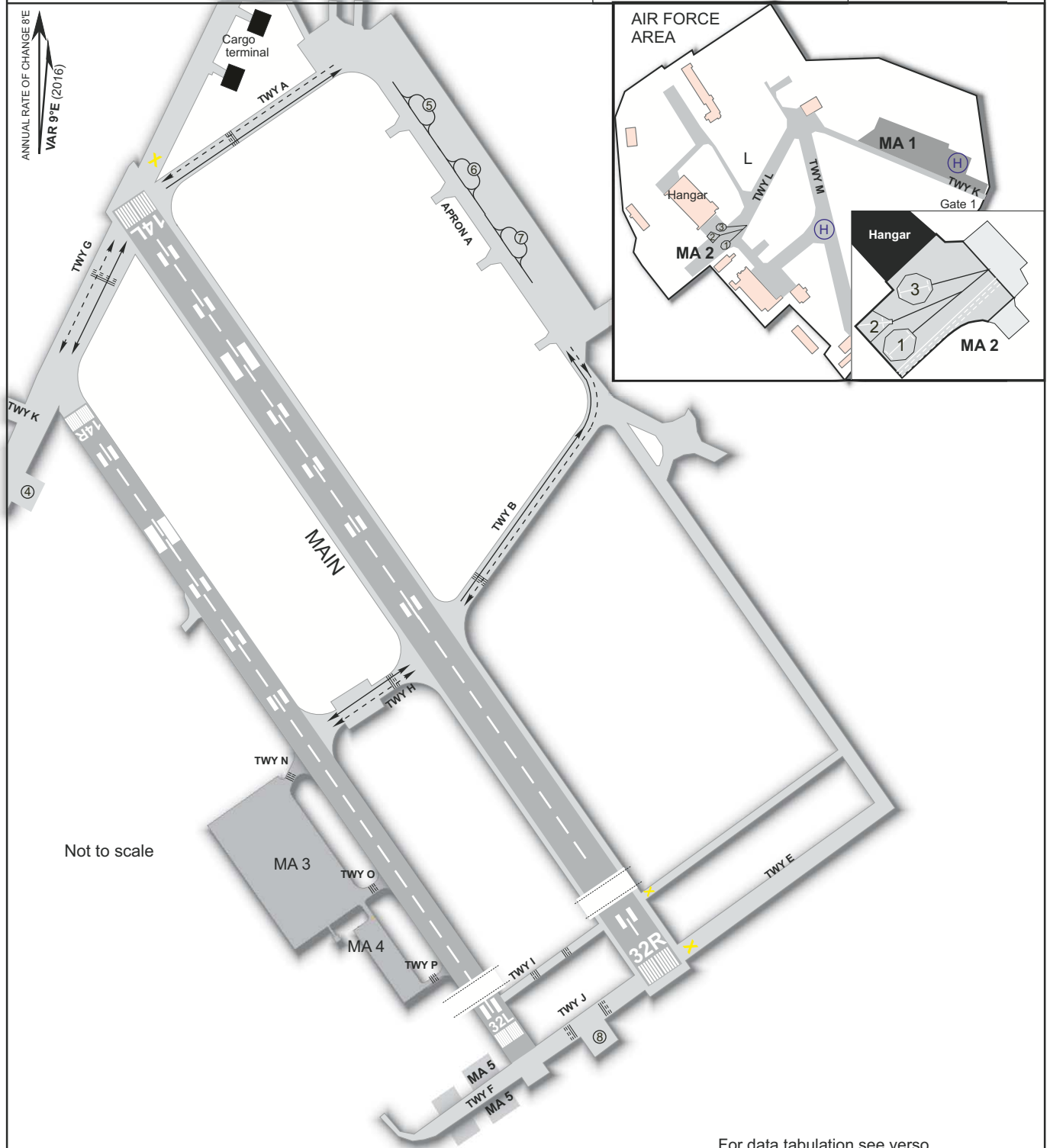
FOR MILITARY ACFT ONLY

AERODROME GROUND
MOVEMENT AND
PARKING CHART

AERODROME ELEV 447

ATIS	120.750
TWR	120.400
GCA	129.775
	308.875
ATS (Emergency FREQ)	121.500
	243.000



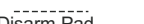
ŠIAULIAI / EYSA

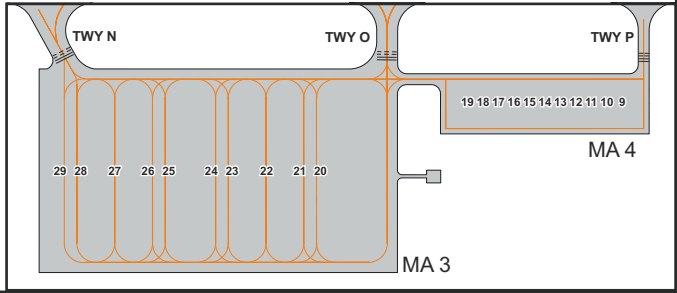


ANNUAL RATE OF CHANGE 8"E
VAR 9°E (2016)

Not to scale

For data tabulation see verso

- Note:
- Taxiing to and from stands 
 - After landing 
 - Before take-off 
 - Stands No.4,8 ARM - Disarm Pad
 - MA 2 - start up or test of engines is prohibited. ACFT on stands 1,2,3 must not start up engines until the ACFT is placed at a designation start up position on MA 1 or TWY G. ACFT shall obtain push back(towing)/start up instruction from TWR prior start up.
 - F,K,L,M - military TWYs
 - Holding position markings at the all TWYs except TWYs F and K.



AERONAUTICAL DATA TABULATION

TAXIWAYS	WIDTH FT(m)	SURFACE	STRENGTH
A,B	69(21)	concrete	PCN 120 / R / C / W / T
F	39(12)	asphalt - concrete	PCN 96 / R / C / W / T
G	79(24)	asphalt - concrete	PCN 120 / R / C / W / T
H	79(24)	asphalt - concrete	PCN 110 / R / C / W / T
I	46(14)	asphalt - concrete	PCN 120 / R / C / W / T
J	72(22)	asphalt - concrete	PCN 70 / R / C / W / T
K	39(12)	asphalt - concrete	PCN 74 / R / C / W / T
L	39(12)	asphalt - concrete	PCN 120 / R / C / W / T
M	39(12)	asphalt - concrete	PCN 71 / R / D / W / T
N,O	75(23)	asphalt - concrete	PCN 120 / R / B / W / T
P	39(12)	asphalt - concrete	PCN 120 / R / B / W / T

APRONS	DIMENSIONS FT(m)	SURFACE	STRENGTH
A	1640x246(500x75)	concrete	PCN 120 / R / C / W / T
MA1	656x180(200x55)	concrete	PCN 120 / R / C / W / T
MA2	230x115(70x35)	concrete	PCN 120 / R / C / W / T
MA3	1289x732(393x223)	concrete	PCN 120 / R / D / W / T
MA4	751x217(229x66)	concrete	PCN 120 / R / C / W / T
MA5	2 parking areas 230x164 (70x50)	concrete	PCN 66 / R / D / W / T

COORDINATES (WGS-84) & STRENGTH FOR AIRCRAFT STANDS

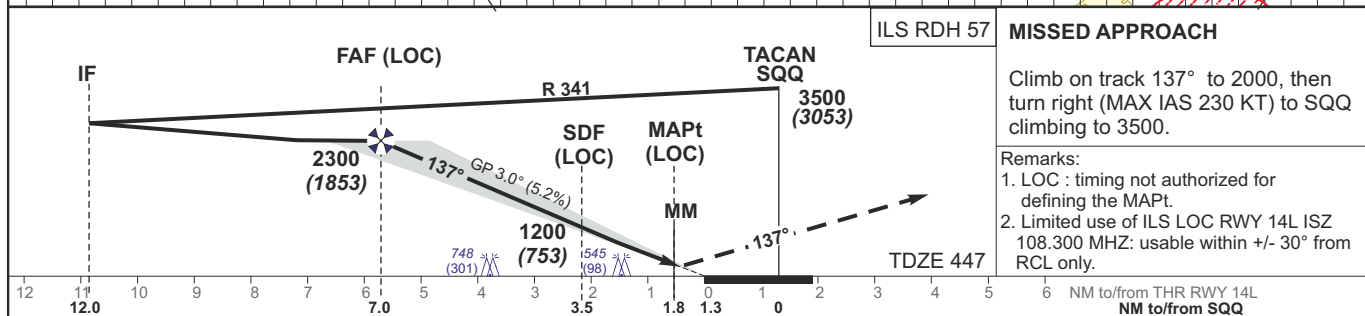
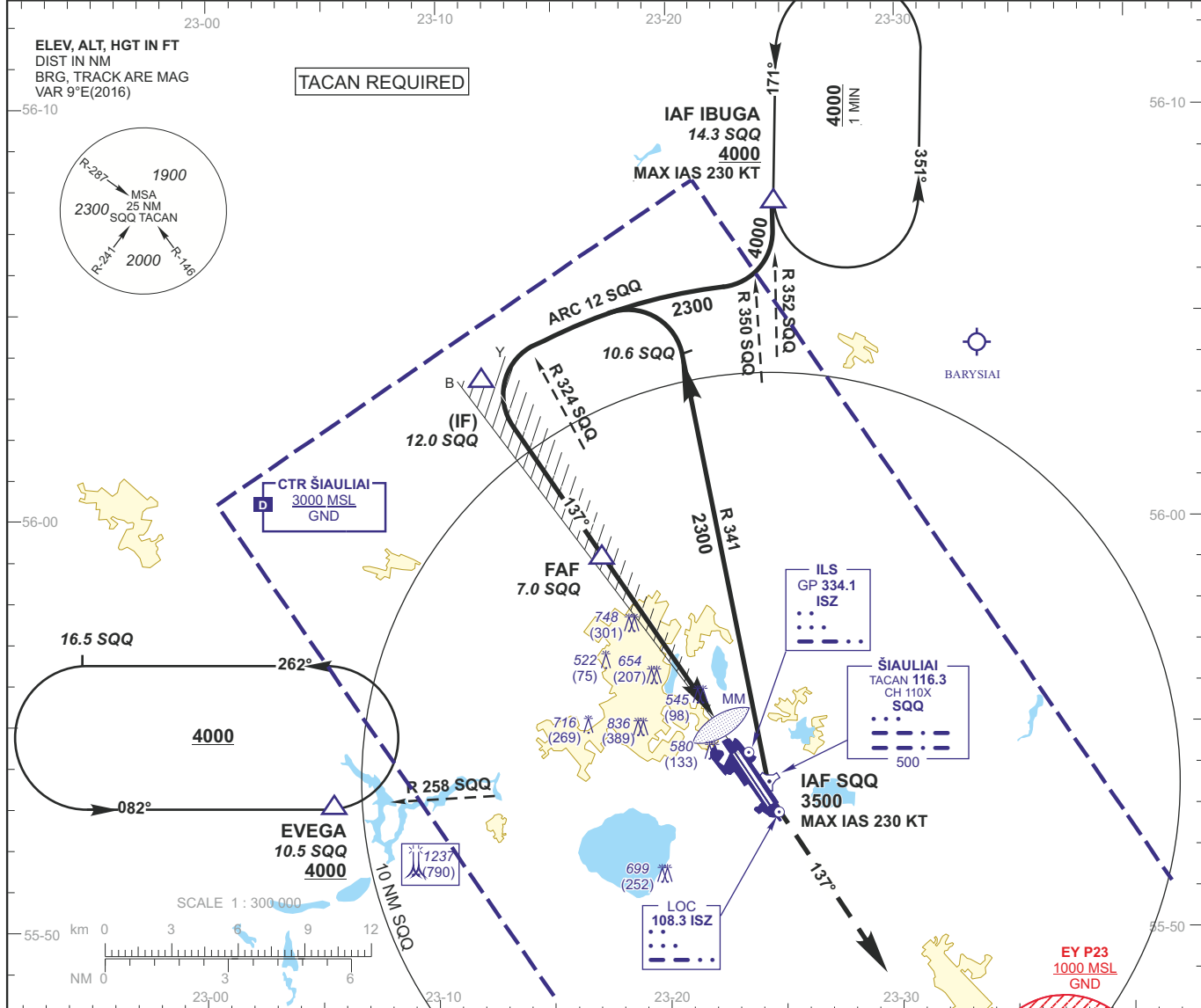
1 - 55 54.22N 023 21.76E	PCN 120 / R / D / W / T
2 - 55 54.23N 023 21.75E	PCN 120 / R / D / W / T
3 - 55 54.24N 023 21.78E	PCN 120 / R / C / W / T
4 - 55 54.16N 023 22.60E	PCN 98 / R / D / W / T
5 - 55 54.50N 023 23.17E	PCN 120 / R / C / W / T
6 - 55 54.43N 023 23.23E	PCN 120 / R / C / W / T
7 - 55 54.36N 023 23.31E	PCN 120 / R / C / W / T
8 - 55 52.80N 023 24.54E	PCN 120 / R / D / W / T
9 - 55 53.64N 023 23.26E	PCN 120 / R / D / W / T
10 - 55 53.65N 023 23.25E	PCN 120 / R / D / W / T
11 - 55 53.66N 023 23.24E	PCN 120 / R / D / W / T
12 - 55 53.67N 023 23.23E	PCN 120 / R / D / W / T
13 - 55 53.67N 023 23.22E	PCN 120 / R / D / W / T
14 - 55 53.68N 023 23.21E	PCN 120 / R / D / W / T
15 - 55 53.69N 023 23.20E	PCN 120 / R / D / W / T
16 - 55 53.70N 023 23.19E	PCN 120 / R / D / W / T
17 - 55 53.70N 023 23.18E	PCN 120 / R / D / W / T
18 - 55 53.71N 023 23.18E	PCN 120 / R / D / W / T
19 - 55 53.72N 023 23.17E	PCN 120 / R / D / W / T
20 - 55 53.77N 023 23.02E	PCN 120 / R / D / W / T
21 - 55 53.78N 023 23.01E	PCN 120 / R / D / W / T
22 - 55 53.80N 023 22.99E	PCN 120 / R / D / W / T
23 - 55 53.81N 023 22.97E	PCN 120 / R / D / W / T
24 - 55 53.82N 023 22.96E	PCN 120 / R / D / W / T
25 - 55 53.84N 023 22.93E	PCN 120 / R / D / W / T
26 - 55 53.85N 023 22.92E	PCN 120 / R / D / W / T
27 - 55 53.87N 023 22.90E	PCN 120 / R / D / W / T
28 - 55 53.89N 023 22.88E	PCN 120 / R / D / W / T
29 - 55 53.89N 023 22.87E	PCN 120 / R / D / W / T

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INSTRUMENT APPROACH CHART	AERODROME ELEV 447 HEIGHTS RELATED TO THR RWY 14L ELEV 447	ATIS	120.750	ŠIAULIAI / EYSA
		TWR	120.400	
TRANSITION LEVEL By ATC TRANSITION ALT 5000(4553)		GCA	129.775	ILS or LOC RWY 14L
		ATS (Emergency FREQ)	121.500	
			243.000	

TACAN SQQ CH110X	APP COURSE 137°	FAF ALT 2300	Descent GP 3.00° (5.2%)	DA ref. to minimums MDA 800	TDZE 447	ALS (BP)	LDA 11483
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GS	Kts	80	100	120	140	160	180	DIST SQQ	6	5	4	3
FAF - MAPt 5.2 NM	min:sec	3:54	3:07	2:36	2:14	1:57	1:44	Altitude	2000	1680	1360	1050
Rate of descent (5.2%)	ft/min	415	520	625	730	835	940	Height	(1553)	(1233)	(913)	(603)

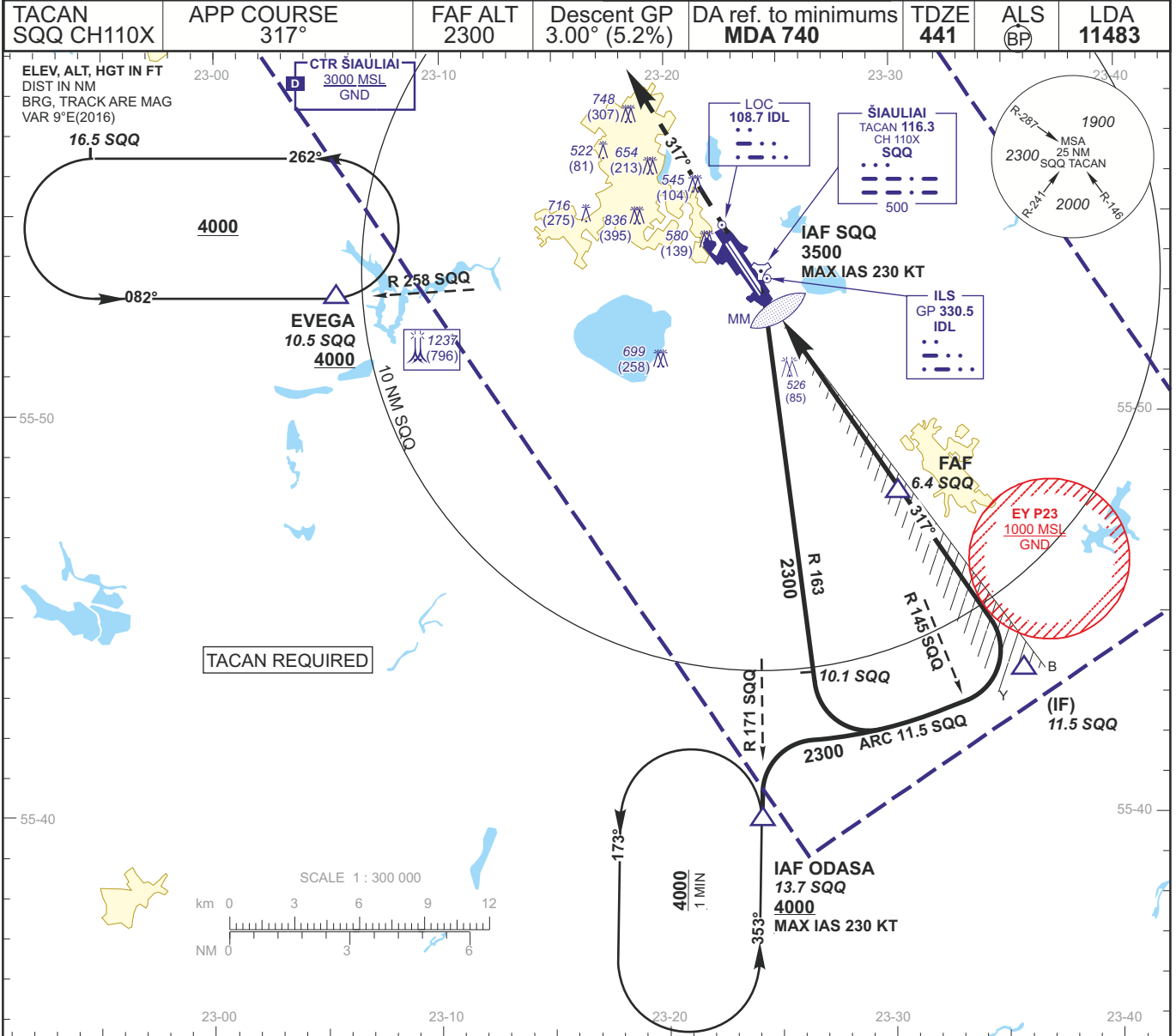
	STRAIGHT-IN APPROACH									CIRCLING APPROACH						
	ILS CAT I			LOC			LOC (When SDF not received)			MDA(H)	Visibility					
	DA(H)	Full	ALS out	MDA(H)	Full	ALS out	MDA(H)	Full	ALS out							
A	647 (200)			800 (353)			1000 (553)				880 (433)	A				
B	657 (210)				RVR 800m				RVR 800m	RVR 1600m			1140 (693)	1600m	B	
C	667 (220)	RVR 550m	RVR 1200m			RVR 1200m				RVR 2000m			CMV 2400m	1230 (783)	3600m	C
D	677 (230)									CMV 2400m			CMV 2800m		4000m	D
E	687 (240)					RVR 1600m		RVR 2000m		CMV 2800m			CMV 3200m	1330 (883)	4800m	E

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INSTRUMENT APPROACH CHART AERODROME ELEV 447 HEIGHTS RELATED TO THR RWY 32R - ELEV 441 TRANSITION LEVEL By ATC TRANSITION ALT 5000(4559)	ATIS 120.750 TWR 120.400 GCA 129.775 308.875 ATS (Emergency FREQ) 121.500 243.000	ŠIAULIAI / EYSA ILS or LOC RWY 32R
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MISSED APPROACH Climb on track 317° to 2000, then turn right (MAX IAS 230 KT) to SQQ climbing to 3500. Remarks: 1. LOC : timing not authorized for defining the MAPt. 2. Limited use of ILS LOC RWY 32R IDL 108.700 MHZ: usable within +/- 25° from RCL only.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">ILS RDH 50</td> <td style="width:15%;">TACAN SQQ 3500 (3059)</td> <td style="width:15%;">FAF (LOC) 3500 (3059)</td> <td style="width:15%;">IF 4000 (3559)</td> </tr> <tr> <td>TDZE 441</td> <td>MM 1100 (659)</td> <td>GP 3.00° (5.2%)</td> <td></td> </tr> </table>	ILS RDH 50	TACAN SQQ 3500 (3059)	FAF (LOC) 3500 (3059)	IF 4000 (3559)	TDZE 441	MM 1100 (659)	GP 3.00° (5.2%)	
ILS RDH 50	TACAN SQQ 3500 (3059)	FAF (LOC) 3500 (3059)	IF 4000 (3559)						
TDZE 441	MM 1100 (659)	GP 3.00° (5.2%)							

GS	Kts	80	100	120	140	160	180	DIST SQQ	6	5	4	3	2
FAF - MAPt 5.2 NM	min:sec	3:54	3:07	2:36	2:14	1:57	1:44	Altitude	2190	1880	1560	1240	930
Rate of descent (5.2%)	ft/min	415	520	625	730	835	940	Height	(1749)	(1439)	(1119)	(799)	(489)

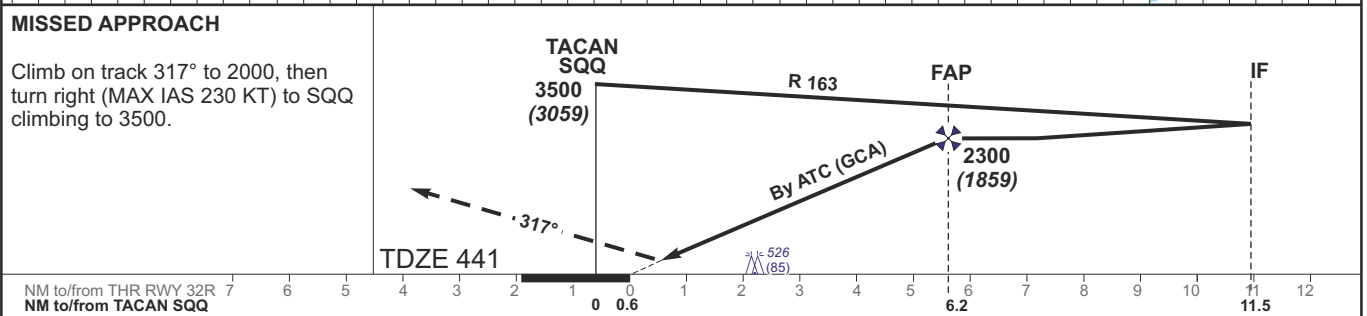
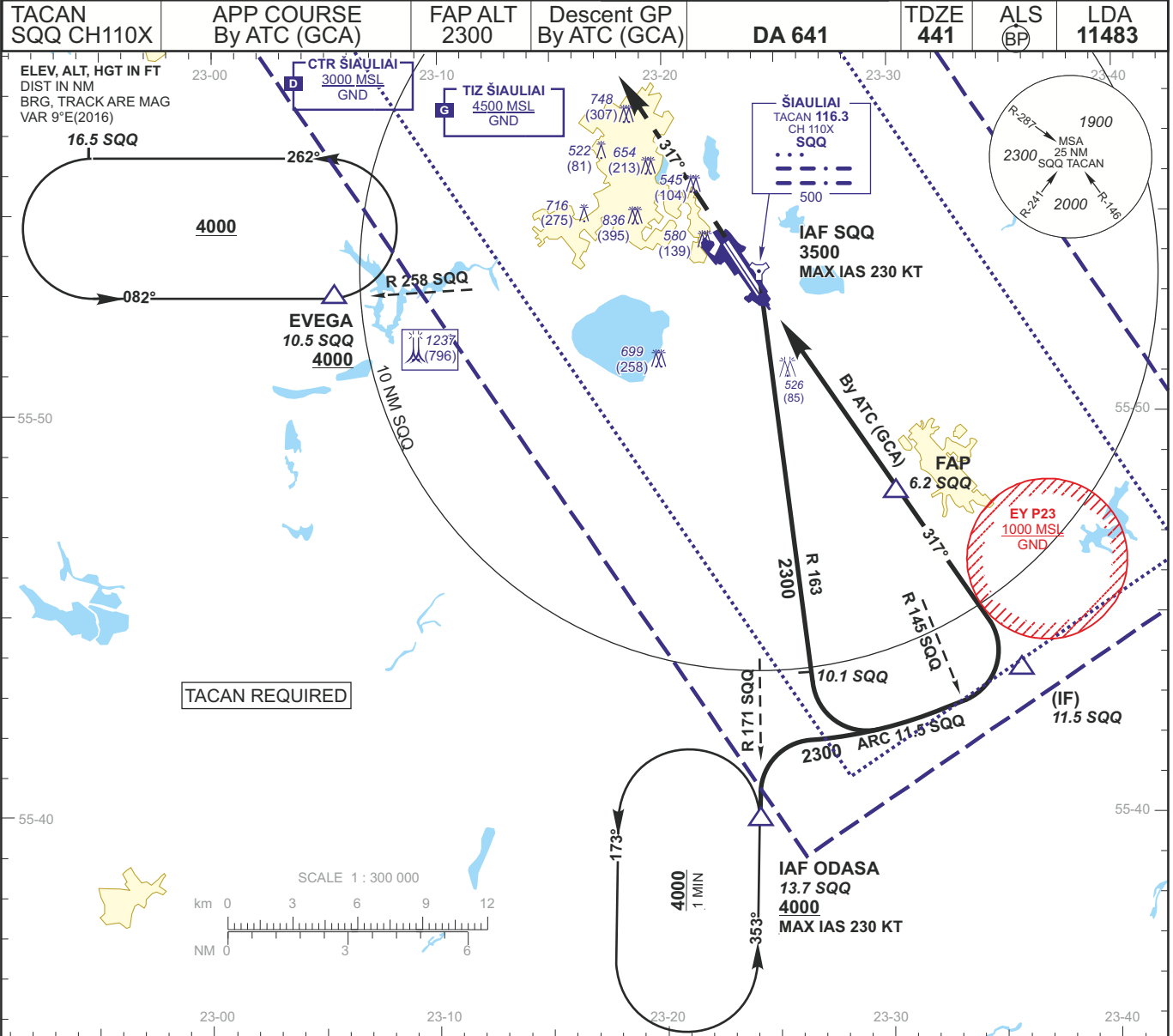
	STRAIGHT-IN APPROACH									CIRCLING APPROACH		
	ILS CAT I			LOC			LOC (When SDF not received)			MDA(H)	Visibility	
	DA(H)	Full	ALS out	MDA(H)	Full	ALS out	MDA(H)	Full	ALS out			
A	641 (200)									880 (433)		A
B	651 (210)				RVR 800m			RVR 800m		1140 (693)	1600m	B
C	661 (220)	RVR 550m	RVR 1200m	740 (299)		RVR 1600m	770 (329)	RVR 1200m		1230 (783)	3600m	C
D	671 (230)				RVR 1200m			RVR 1600m	RVR 2000m	1330 (883)	4000m	D
E	681 (240)										4800m	E

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INSTRUMENT APPROACH CHART	AERODROME ELEV 447 HEIGHTS RELATED TO THR RWY 32R - ELEV 441	ATIS	120.750	ŠIAULIAI / EYSA
		GCA	129.775	
TRANSITION LEVEL By ATC		TWR	120.400	PAR RWY 32R
TRANSITION ALT 5000(4559)		ATS (Emergency FREQ)	121.500	
			243.000	



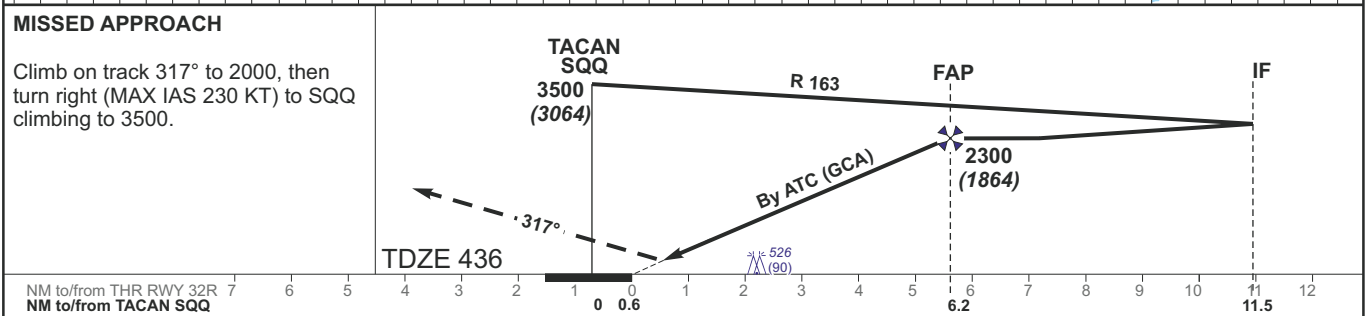
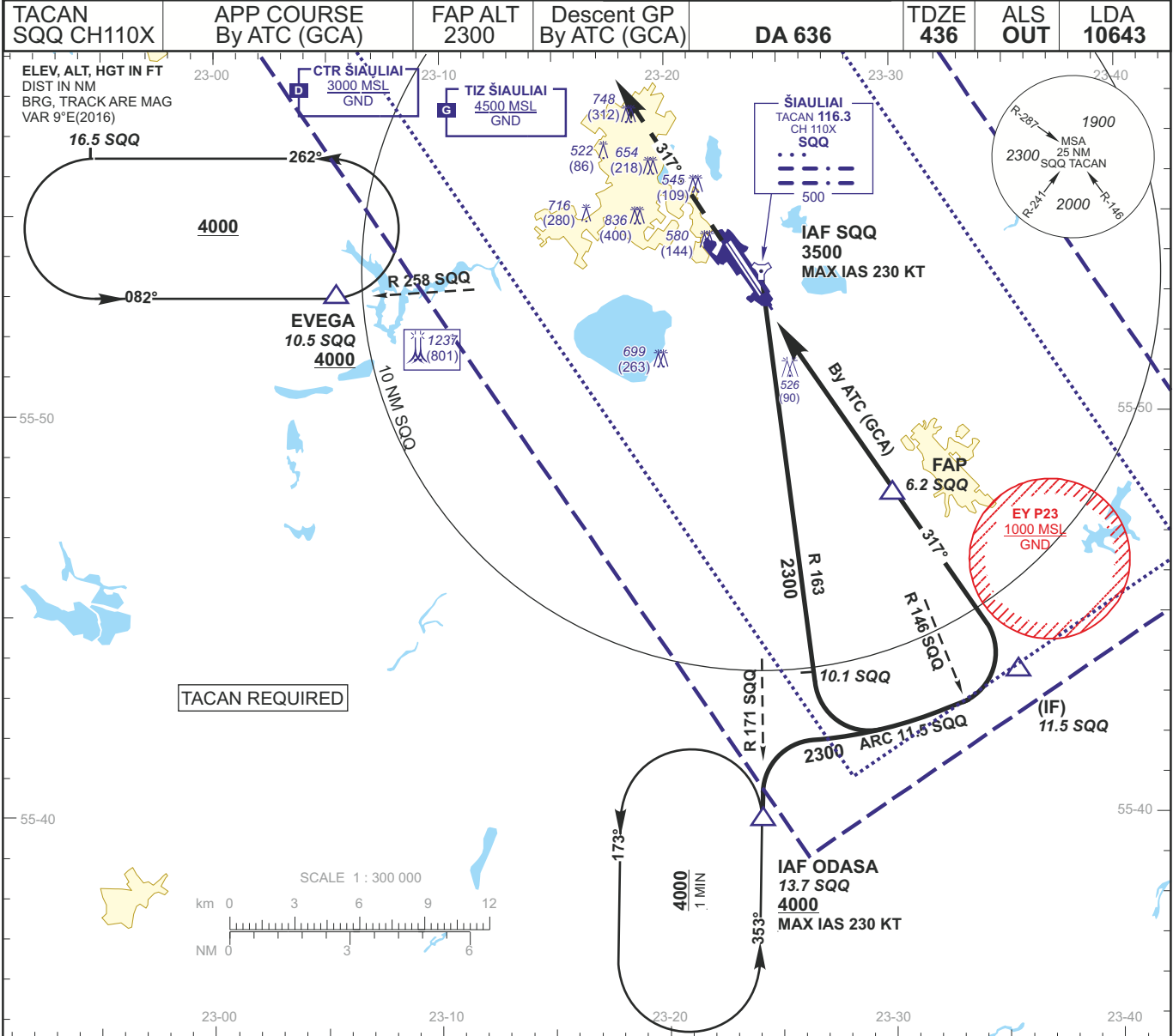
STRAIGHT-IN APPROACH				
PAR				
DA(H)	Full	ALS out		
A			A	
B			B	
C	641 (200)	RVR 800m	RVR 1200m	C
D				D
E				E

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INSTRUMENT APPROACH CHART	AERODROME ELEV 447 HEIGHTS RELATED TO THR RWY 32L - ELEV 436	ATIS	120.750	ŠIAULIAI / EYSA
		GCA	129.775	
TRANSITION LEVEL By ATC TRANSITION ALT 5000(4564)		TWR	120.400	PAR RWY 32L
		ATS (Emergency FREQ)	121.500 243.000	



STRAIGHT-IN APPROACH			
PAR			
	DA(H)	ALS out	
A	636 (200)	1200m	A
B			B
C			C
D			D
E			E

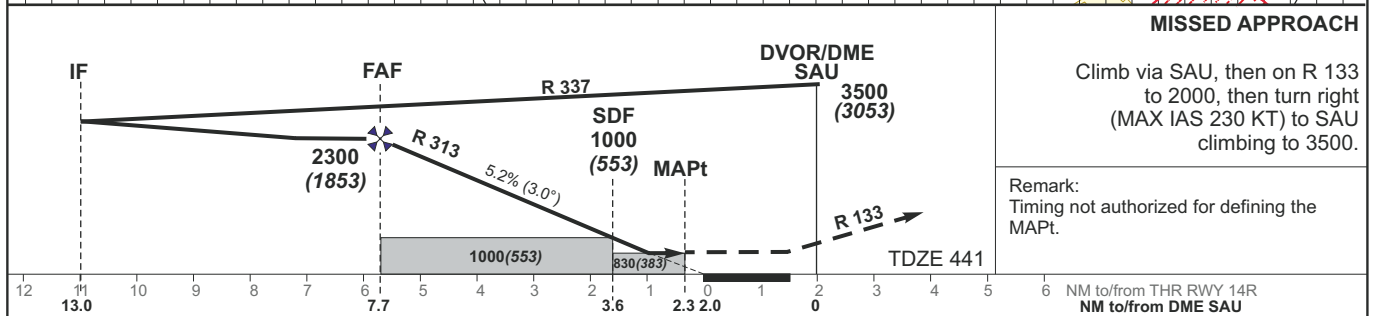
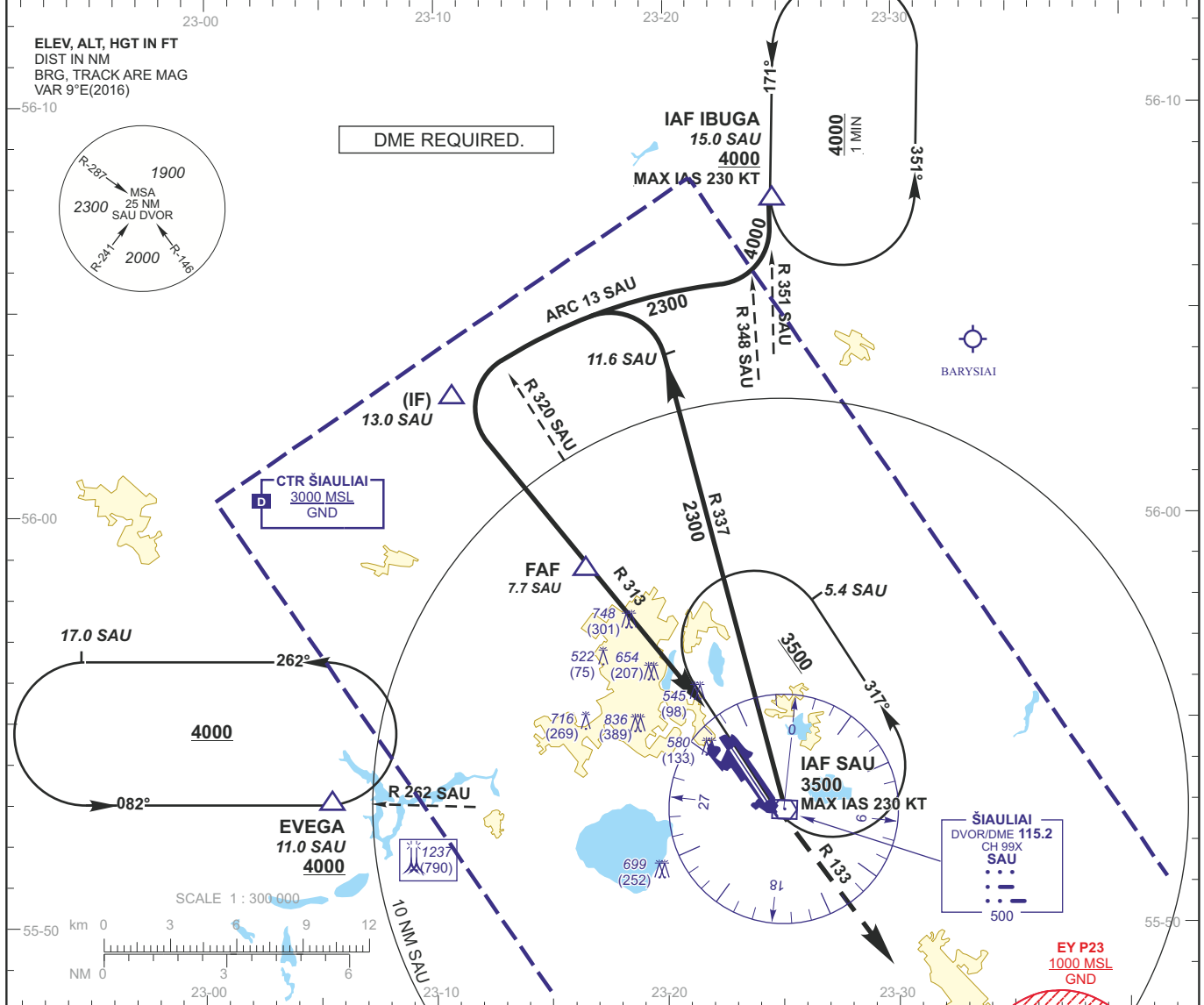
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INSTRUMENT APPROACH CHART	AERODROME ELEV 447 HEIGHTS RELATED TO AD ELEV THR RWY 14R ELEV 441	ATIS	120.750	ŠIAULIAI / EYSA
		TWR	120.400	
TRANSITION LEVEL By ATC TRANSITION ALT 5000(4553)		GCA	129.775	VOR RWY 14R
			308.875	
		ATS (Emergency FREQ)	121.500 243.000	

DVOR/DME SAU CH99X	VOR APP COURSE 133°	FAF ALT 2300	Descent GP 5.2%	MDA 830	TDZE 441	ALS OUT	LDA 10643
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GS	Kts	80	100	120	140	160	180	DIST DME SAU	7	6	5	4
FAF - MAPt	min:sec	4:03	3:14	2:42	2:19	2:02	1:48	Altitude	2080	1770	1450	1130
Rate of descent (5.2%)	ft/min	415	520	625	730	835	940	Height	(1633)	(1323)	(1003)	(683)

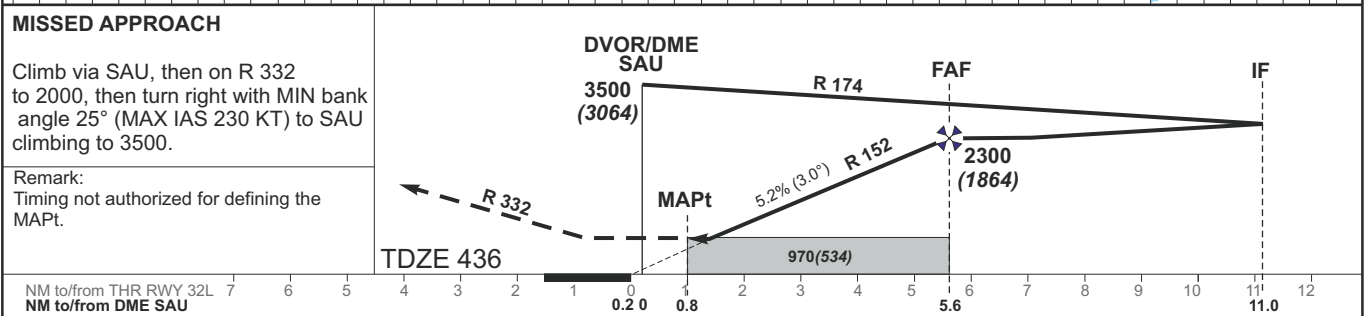
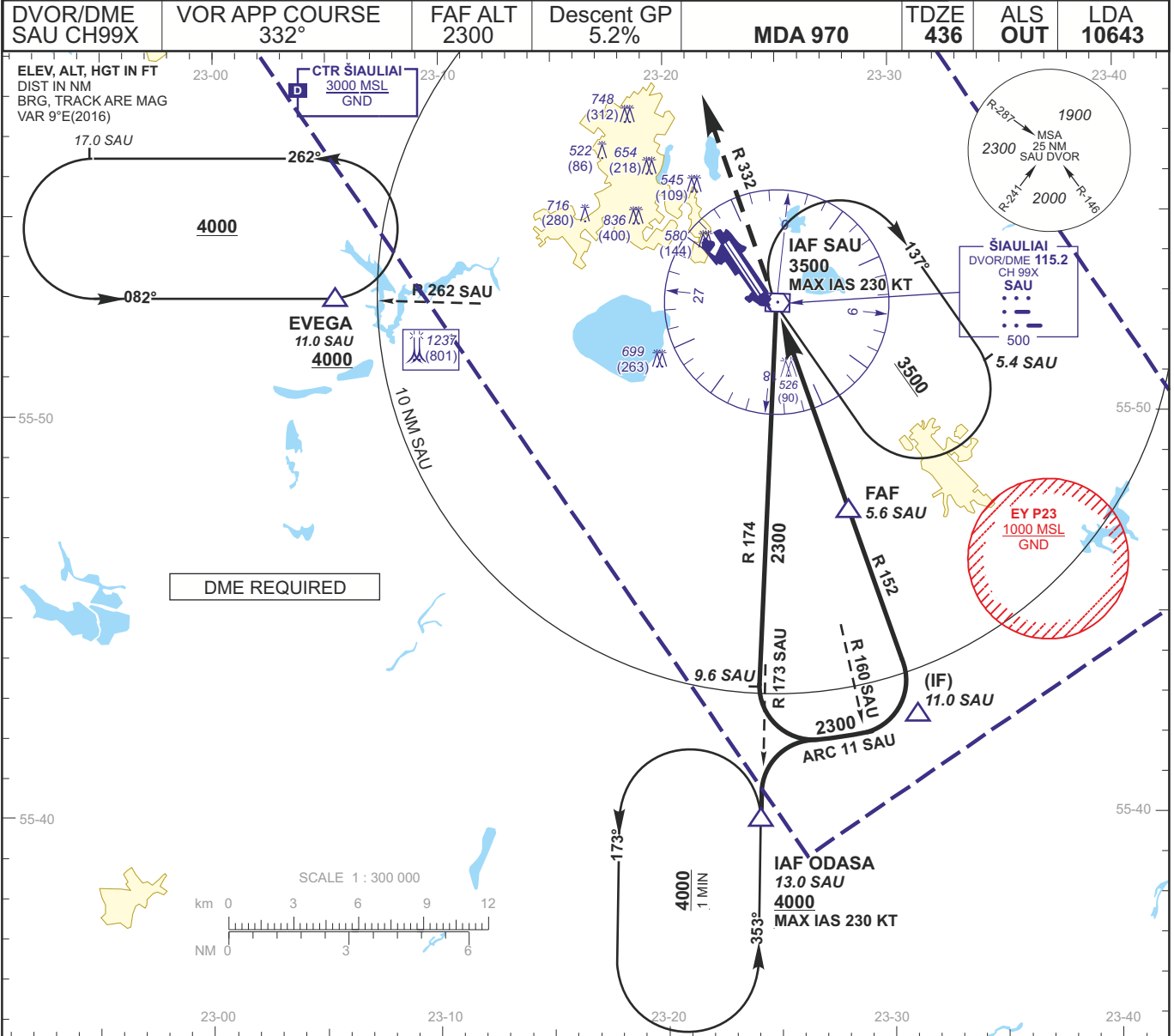
	STRAIGHT-IN APPROACH				CIRCLING APPROACH			
	VOR		VOR (When SDF not received)		MDA(H)	Visibility		
	MDA(H)	ALS out	MDA(H)	ALS out				
A	830 (383)	1600m	1000 (553)	1600m	880 (433)	1600m	A	
B					1140 (693)		B	
C					1230 (783)		3600m	C
D					1330 (883)		4000m	D
E					1330 (883)		4800m	E

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<p>INSTRUMENT APPROACH CHART</p> <p>TRANSITION LEVEL By ATC TRANSITION ALT 5000(4564)</p>	<p>AERODROME ELEV 447</p> <p>HEIGHTS RELATED TO THR RWY 32L - ELEV 436</p>	<p>ATIS 120.750 TWR 120.400 GCA 129.775 308.875 ATS (Emergency FREQ) 121.500 243.000</p>	<p>ŠIAULIAI / EYSA</p> <p>VOR RWY 32L</p>
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NM to/from THR RWY 32L	7	6	5	4	3	2	1	0.2	0	0.8	2	3	4	5	6	7	8	9	10	11	12	
NM to/from DME SAU																						

GS	Kts	80	100	120	140	160	180	DIST DME SAU	5	4	3	2
FAF - MAPt 4.8 NM	min:sec	3:36	2:53	2:24	2:03	1:48	1:36	Altitude	2140	1820	1500	1190
Rate of descent (5.2%)	ft/min	415	520	625	730	835	940	Height	(1704)	(1384)	(1064)	(744)

STRAIGHT-IN APPROACH		CIRCLING APPROACH	
VOR			
MDA(H)	ALS out	MDA(H)	Visibility
A		880 (433)	A
B	1600m	1140 (693)	1600m
C	2400m	1230 (783)	3600m
D	2800m		4000m
E	3200m	1330 (883)	4800m

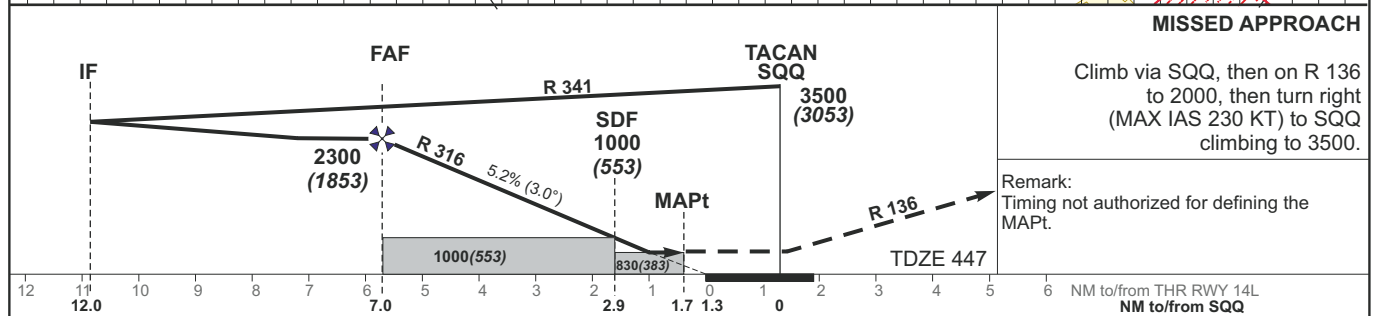
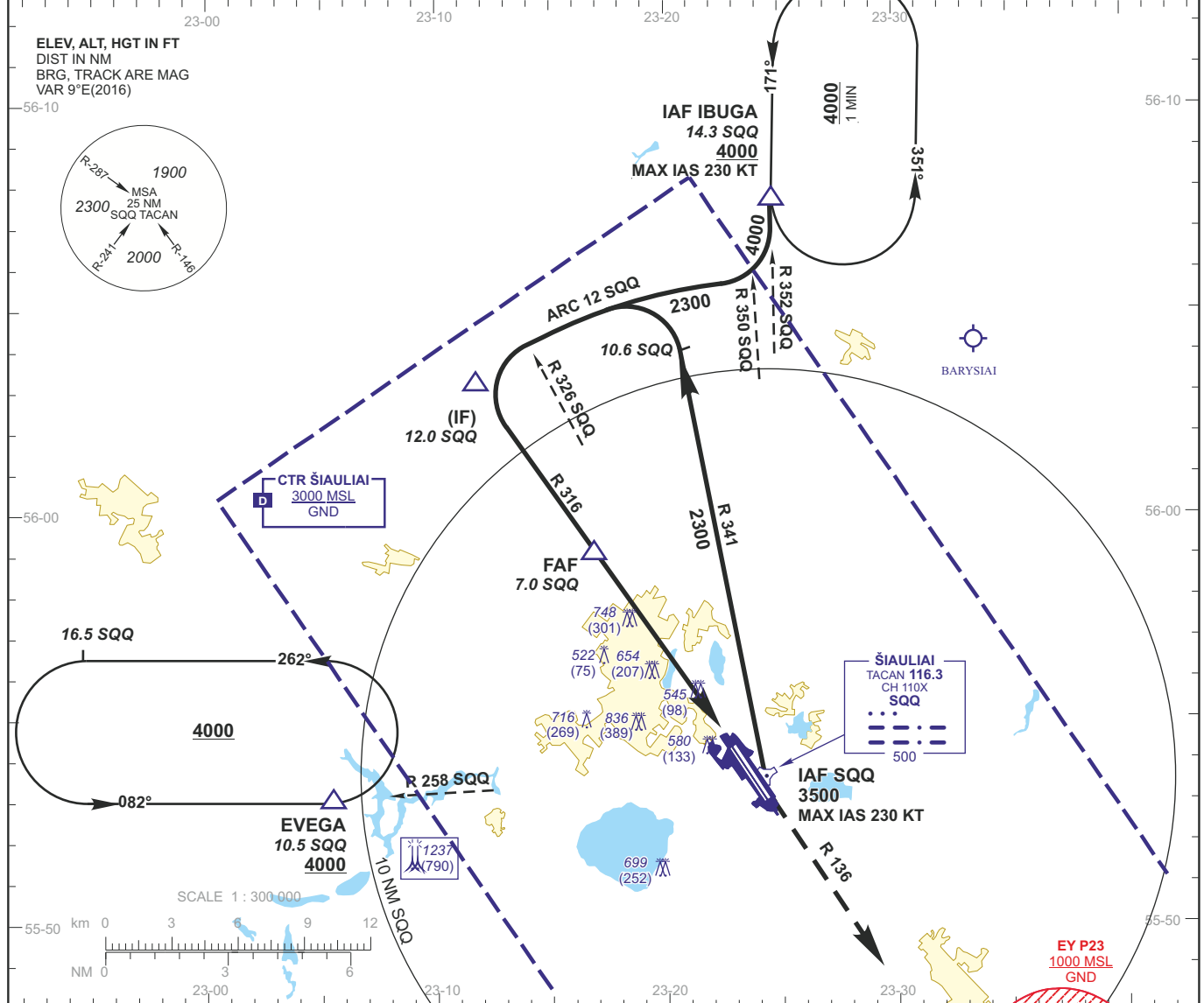
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INSTRUMENT APPROACH CHART	AERODROME ELEV 447 HEIGHTS RELATED TO AD ELEV THR RWY 14L ELEV 447	ATIS	120.750	ŠIAULIAI / EYSA
		TWR	120.400	
TRANSITION LEVEL By ATC TRANSITION ALT 5000(4553)		GCA	129.775	TACAN RWY 14L
		ATS (Emergency FREQ)	121.500	
			243.000	

TACAN SQQ CH110X	TACAN APP COURSE 136°	FAF ALT 2300	Descent GP 5.2%	MDA 830	TDZE 447	ALS (BP)	LDA 11483
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GS	Kts	80	100	120	140	160	180	DIST SQQ	6	5	4	3
FAF - MAPt 5.3 NM	min:sec	3:59	3:11	2:39	2:16	1:59	1:46	Altitude	2000	1680	1360	1050
Rate of descent (5.2%)	ft/min	415	520	625	730	835	940	Height	(1553)	(1233)	(913)	(603)

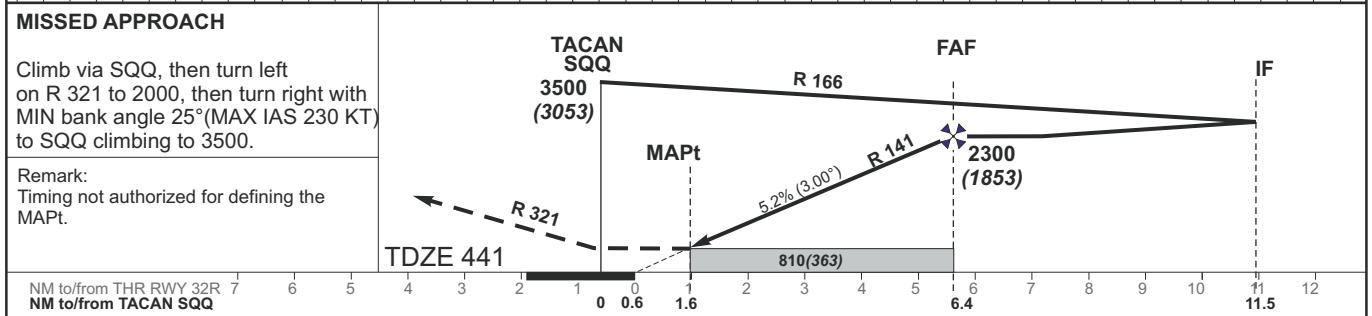
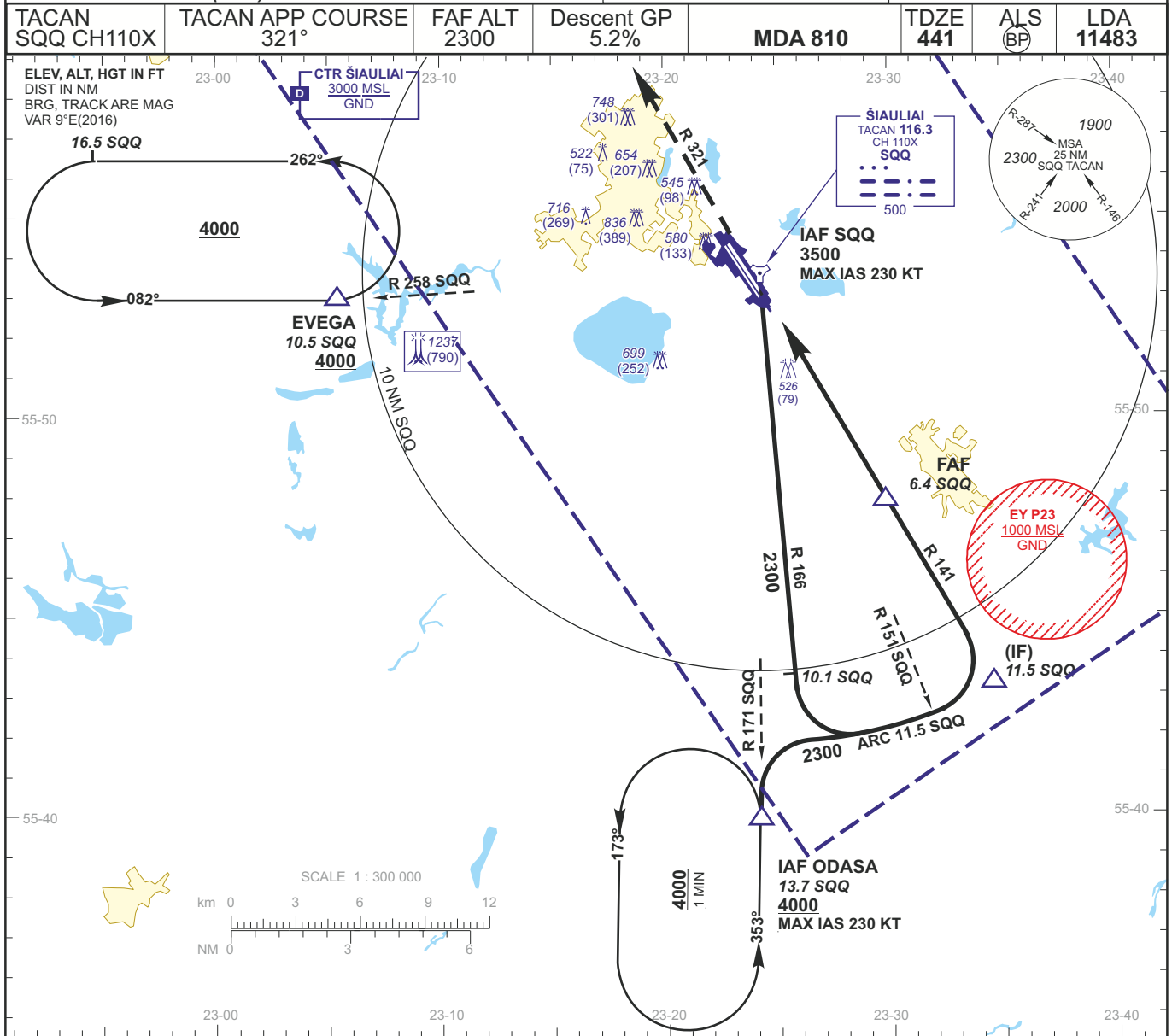
	STRAIGHT-IN APPROACH						CIRCLING APPROACH			
	TACAN			TACAN (When SDF not received)			MDA(H)	Visibility		
	MDA(H)	Full	ALS out	MDA(H)	Full	ALS out				
A	830 (383)	RVR 800m	RVR 1600m	1000 (553)	RVR 800m	RVR 1600m	880 (433)	1600m	A	
B							1140 (693)		B	
C							1230 (783)		3600m	C
D							1330 (883)		4000m	D
E									4800m	E

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INSTRUMENT APPROACH CHART TRANSITION LEVEL By ATC TRANSITION ALT 5000(4553)	AERODROME ELEV 447 HEIGHTS RELATED TO AD ELEV THR RWY 32R - ELEV 441	ATIS 120.750 TWR 120.400 GCA 129.775 308.875 ATS (Emergency FREQ) 121.500 243.000	ŠIAULIAI / EYSA TACAN RWY 32R
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NM to/from THR RWY 32R	7	6	5	4	3	2	1	0.6	1.6	2	3	4	5	6	7	8	9	10	11	12
NM to/from TACAN SQQ																				

GS	Kts	80	100	120	140	160	180	DIST SQQ	6	5	4	3	2
FAF - MAPt 4.8 NM	min:sec	3:36	2:53	2:24	2:03	1:48	1:36	Altitude	2190	1880	1560	1240	930
Rate of descent (5.2%)	ft/min	415	520	625	730	835	940	Height	(1743)	(1433)	(1113)	(793)	(483)

	STRAIGHT-IN APPROACH			CIRCLING APPROACH		
	TACAN			MDA(H)	Visibility	
	MDA(H)	Full	ALS out			
A	810 (363)	RVR 800m	RVR 1600m	880 (433)	1600m	A
B				1140 (693)		B
C				1230 (783)	3600m	C
D				1330 (883)	4000m	D
E				1330 (883)	4800m	E

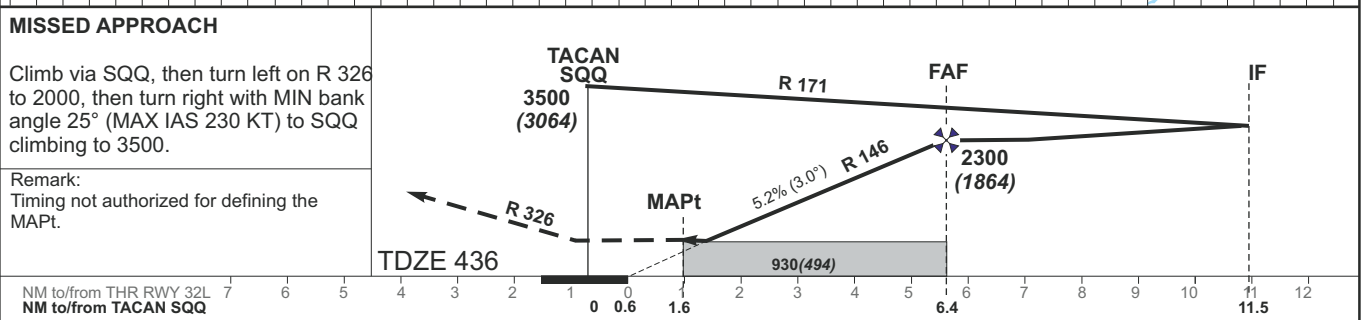
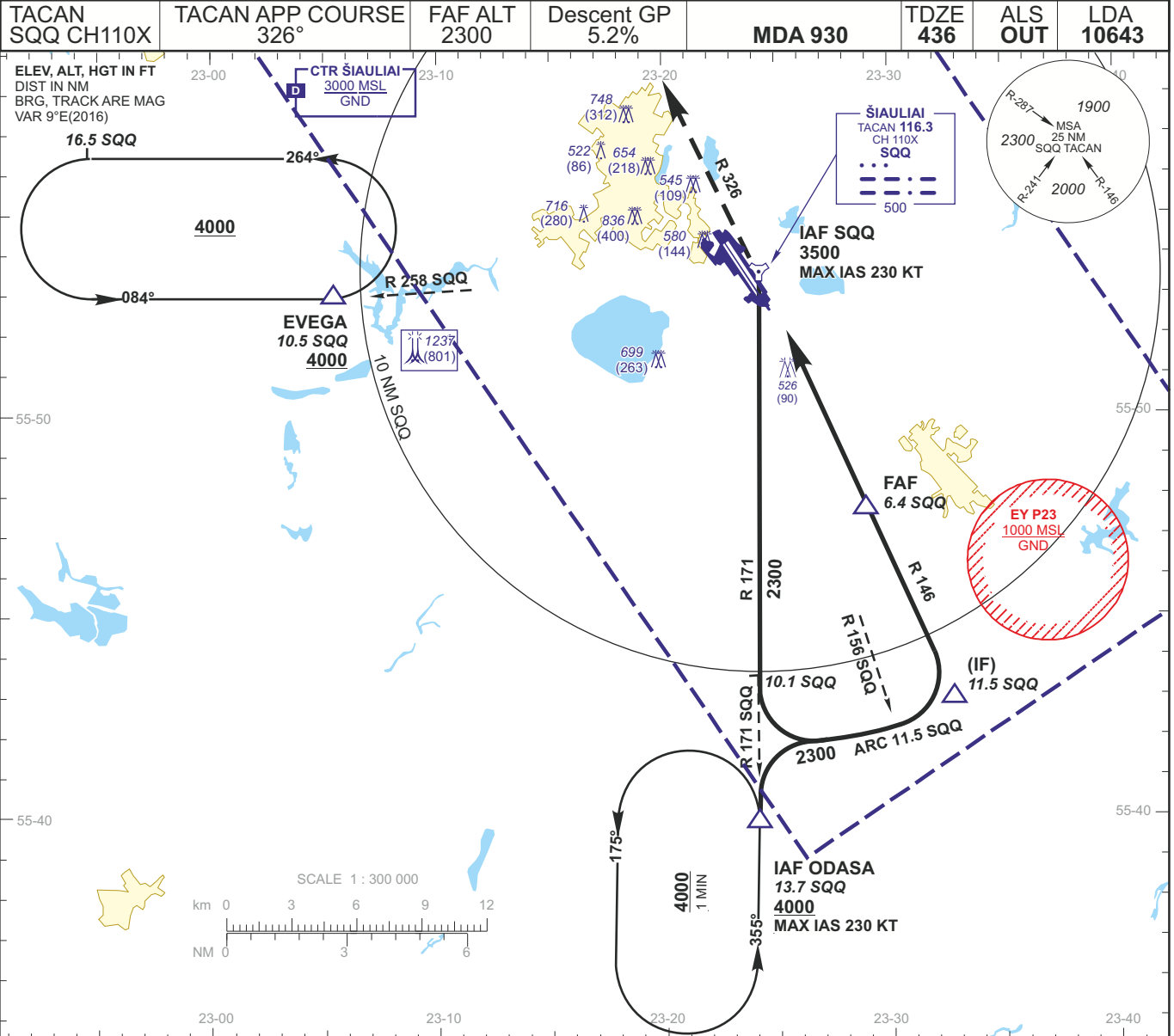
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INSTRUMENT APPROACH CHART	AERODROME ELEV 447 HEIGHTS RELATED TO THR RWY 32L - ELEV 436	ATIS	120.750	ŠIAULIAI / EYSA
		TWR	120.400	
TRANSITION LEVEL By ATC TRANSITION ALT 5000(4564)		GCA	129.775	TACAN RWY 32L
		ATS (Emergency FREQ)	121.500	
			243.000	



GS	Kts	80	100	120	140	160	180	DIST SQQ	6	5	4	3	2
FAF - MAPt 4.8 NM	min:sec	3:36	2:53	2:24	2:03	1:48	1:36	Altitude	2190	1880	1560	1240	930
Rate of descent (5.2%)	ft/min	415	520	625	730	835	940	Height	(1754)	(1444)	(1124)	(804)	(494)

	STRAIGHT-IN APPROACH		CIRCLING APPROACH			
	TACAN					
	MDA(H)	ALS out	MDA(H)	Visibility		
A	930 (494)	1600m	880 (433)	1600m	A	
B			1140 (693)		B	
C			1230 (783)		3600m	C
D			1330 (883)		4000m	D
E			1430 (983)		4800m	E

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AERONAUTICAL DATA TABULATION

FIX/POINTS	COORDINATES
EVEGA (HLDG)	55 52.87N 023 05.45E
ODASA (IAF)	55 39.77N 023 24.17E
IBUGA (IAF)	56 07.72N 023 24.76E
SAU DVOR/DME (IAF)	55 52.74N 023 24.98E
SQQ TACAN (IAF)	55 53.43N 023 24.14E
THR 14R	55 54.25N 023 22.68E
THR 14L	55 54.41N 023 22.76E
THR 32R	55 52.85N 023 24.64E
THR 32L	55 52.80N 023 24.42E
LOC ISZ	55 52.69N 023 24.82E
LOC IDL	55 54.57N 023 22.58E
MM 14L	55 54.88N 023 22.20E
MM 32R	55 52.38N 023 25.20E

TACAN RWY 14R	
IF	56 02.59N 023 10.39E
FAF	55 58.67N 023 16.28E
MAPt	55 54.58N 023 22.43E

TACAN RWY 32L	
IF	55 43.02N 023 32.74E
FAF	55 47.66N 023 28.92E
MAPt	55 52.00N 023 25.33E

TACAN to PAR RWY 32R	
IF	55 43.84N 023 35.35E
FAP	55 48.21N 023 30.17E

TACAN to PAR RWY 32L	
IF	55 43.76N 023 35.14E
FAP	55 48.17N 023 29.93E

VOR RWY 32L	
IF	55 42.36N 023 31.32E
FAF	55 47.50N 023 28.19E
MAPt	55 51.96N 023 25.46E

VOR RWY 14R	
IF	56 02.96N 023 10.71E
FAF	55 58.79N 023 16.55E
MAPt	55 54.56N 023 22.38E

TACAN to ILS or LOC RWY 14L	
IF	56 03.30N 023 12.06E
FAF	55 59.14N 023 17.08E
FAP	55 59.02N 023 17.23E
MAPt	55 54.88N 023 22.20E

TACAN to ILS or LOC RWY 32R	
IF	55 43.84N 023 35.35E
FAF	55 48.11N 023 30.28E
FAP	55 48.21N 023 30.17E
MAPt	55 52.38N 023 25.20E

TACAN RWY 14L	
IF	56 03.23N 023 11.87E
FAF	55 59.12N 023 17.02E
MAPt	55 54.74N 023 22.51E

TACAN RWY 32R	
IF	55 43.48N 023 34.31E
FAF	55 47.93N 023 29.77E
MAPt	55 52.08N 023 25.53E

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