

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
 Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT</u> RUSSIAN MISSION	<u>AIRPORT ID</u> PARS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> RUSSIAN MISSION	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 58	<u>TDZE</u> 58	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 12/07/2017	<u>MAG VAR</u> 11E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 JUNE 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 087/30 CW 267/30	NOPT	087/11 CW 267/11		4700
2. 087/11 CW 267/11		TILOY	IF/IAF	4200
3. 267/30 CW 357/30		YACDU	IAF	4900
4. 357/30 CW 087/30		357/11 CW 087/11		4900
5. 357/11 CW 087/11		RODOY	IAF	4200

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
RODOY	IAF	TILOY	NOPT	TF	FB	1.00	086.20	10.00	4200
YACDU	IAF	TILOY	NOPT	TF	FB	1.00	266.83	10.00	4200
TILOY	IF/IAF	ZOMOK		TF	FB	1.00	176.52	9.16	3600
ZOMOK	FAF	KOSBE/5.79 NM TO RW18		TF	FB	0.30	176.48	3.77	
KOSBE/5.79 NM TO RW18		RW18	MAP	TF	FO	0.30	176.48	5.79	
RW18	MAP	458 MSL		CA			176.48		
458 MSL		YOSCU		DF	FO	1.00			3400



MISSED APPROACH

MAP:

LP: RW18
LNAV: RW18

MISSED APPROACH INSTRUCTIONS:

CLIMBING LEFT TURN TO 3400 DIRECT YOSCU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)				
2. HOLD N TILOY, RT, 176.52 INBOUND, 4200 FT. IN LIEU OF PT (IAF), MAX 12000.								
3. FAC:	176.48	FAF:	ZOMOK	DIST FAF TO MAP:	9.56	DIST FAF TO THLD:	9.56	
4. MIN ALT: TILOY 4200, ZOMOK 3600, KOSBE/5.79 NM TO RW18 2200								
5. DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		GS ANT:
6. MIN GP INCPT:		GP ALT AT FAF :				OM:		MM:
7. GP ANGLE:		34:1:	IS NOT CLEAR	20:1:	IS NOT CLEAR	TCH:		IM:
8. MSA FROM:								

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: RWY 18 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
ZOMOK TO RW18: 3.45/40.
WAAS CHANNEL #87142
REFERENCE PATH ID: W18A
CHART FAS OBST: 335 TREE 614720N/1611918W, 397 TREE 614716N/1612011W.
HOLD S, RT, 340.07 INBOUND
LTP HAE: 27.2 M



MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA STANDARD - CAT C 1100-3, CAT D 1400-3

CATEGORY:	A			B			C			D			E			
	FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LP MDA	580	1	522	580	1	522	580	1 1/2	522	580	1 1/2	522				
LNAV MDA	660	1	602	660	1	602	660	1 3/4	602	660	1 3/4	602				
CIRCLING	740	1	682	740	1	682	1120	3	1062	1360	3	1302				

CHANGES - REASONS

1. UPDATED MAGVAR FROM 17/2000 TO 11/2020 - MAGVAR WAS OUT OF TOLLERANCE BY GREATER THAN 3 DEGREES, UPDATED IAW 8260.19H PARA 2-5-3B.
2. CHANGED PROCEDURE NAME FROM RNAV (GPS) RWY 17 TO RNAV (GPS) RWY 18. - MAGVAR
3. ADDED LP LINE OF MINIMA - ACHIEVE LOWER MDA.
4. CAT C/D MINIMUMS ADDED - INCREASE AIRPORT ACCESS.
5. UPDATED ZOMOK TO KOSBE SEGMENT COURSE/DISTANCE FROM 170.48/4.39 TO 176.48/3.77. - MAGVAR AND NEW PROCEDURE DESIGN TO ACCOMMODATE LOWER MDAS.
6. UPDATED KOSBE TO MAP SEGMENT COURSE/DISTANCE FROM 170.48/5.61 TO 176.48/5.79 - MAGVAR AND NEW PROCEDURE DESIGN TO ACCOMMODATE LOWER MDAS.
7. UPDATED INTERMEDIATE SEGMENT TILOY TO ZOMOK COURSE/DISTANCE FROM 170.5/6.00 TO 176.52/9.16 - MAGVAR AND TO ACCOMMODATE UP TO CAT D AIRCRAFT.
8. UPDATED INITIAL SEGMENT RODOY TO TILOY COURSE/DISTANCE FROM 080.34/5 TO 086.20/10 - MAGVAR, TO ALIGN WITH NEW IF/IAF LOCATION, AND TO ACCOMMODATE UP TO CAT D AIRCRAFT.
9. UPDATED INITIAL SEGMENT YACDU TO TILOY COURSE/DISTANCE FROM 260.65/5 TO 266.83/10 - MAGVAR, TO ALIGN WITH NEW IF/IAF LOCATION, AND TO ACCOMMODATE UP TO CAT D AIRCRAFT.
10. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 4300 DIRECT YOSCU AND HOLD" TO "CLIMBING LEFT TURN TO 3400 DIRECT YOSCU AND HOLD". - NEW LOCATION AND ALTITUDE OF YOSCU FOR THE RWY 36 PROCEDURE REQUIRES A LEFT TURN AND LOWER CLEARANCE LIMIT ALTITUDE.
11. REMOVED CHART NOTE: DME/DME RNP-3.0 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APPCH - IAW 8260.19H.
12. INCREASED TCH FROM 30FT TO 40FT - 8260.3D RECOMMENDED TCH FOR WHG 1.
13. INCREASED VDA FROM 3.22 DEGREES TO 3.45 DEGREES - TO PROVIDE OBSTACLE CLEARANCE AND IMPROVED MINIMUMS.
14. UPDATED CHART NOTE FROM "RWY 17, 35 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED". - MAGVAR UPDATED RUNWAY NUMBER, RWY 36 CLEAR OF 20:1 PENETRATIONS AND IAW 8260.19H 8-6-11.K.(3).
15. REMOVED BACK-UP WEATHER NOTE "WHEN LOCAL ALTIMETER NOT RECEIVED, USE ANIAK ALTIMETER SETTING AND INCREASE ALL MDA 140 FEET, INCREASE LP CAT C/D VIS 3/8 SM, INCREASE LNAV CAT B/C/D AND CIRCLING CAT A/B VIS 1/4SM" AND PLACED IT ON THE BACK OF THE 8260-9 FORM. - IAW CURRENT POLICY.
16. ADDED ALTERNATE MINS - CAT C 1100-3, CAT D 1300-3.
17. INCREASED TAA STRAIGHT-IN MIN ALT FROM 4200 TO 4700. - NEW CONTROLLING OBSTACLE.
18. UPDATED TAA BEARINGS FROM 080 CW 261 TO 087 CW 267, 261 CW 350 TO 267 CW 357, AND 350 CW 080 TO 357 CW 087 - MAGVAR AND BEARING ROUNDING.
19. ADDED TAA STRAIGHT-IN STEPDOWN AT 11NM WITH MIN ALT OF 4200. - ALLOW FOR NOPT STRAIGHT-IN.
20. INCREASED LEFT AND RIGHT BASE TAA MIN ALT FROM 4300 TO 4900. - NEW CONTROLLING OBSTACLE.
21. ADDED TAA RIGHT BASE STEPDOWN AT 11NM WITH A MIN ALT OF 4200. - ALLOW FOR EARLIER DESCENT TO IAF MINIMUM ALTITUDE.
22. LOWERED CAT A LNAV MINS FROM 760/1 TO 660/1, CAT B MINS FROM 760/ 1 1/4 TO 660/1. - NEW PROCEDURE DESIGN ALLOWS FOR LOWER MDA AND VISIBILITY.
23. LOWERED CAT A CIRCLING FROM 760/1 TO 740/1, CAT B CIRCLING FROM 760/ 1 1/4 TO 740/1. - STRAIGHT IN MINIMUMS ALLOW FOR LOWER CIRCLING MDA AND VISIBILITY.
24. CHARTED CIRCLING ICON - IAW 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.
25. ADDED MAX HOLDING 12000 AT TILOY - CONTAIN OPERATIONS WITHIN HOLDING PATTERN TEMPLATE 10.
26. UPDATED FAF ALTITUDE FROM 3500 TO 3600 - NEW FAF LOCATION
27. UPDATED FINAL SDF DISTANCE AND ALTITUDE FROM 5.61NM AND 2000FT TO 5.79NM AND 2200FT - BASED ON NEW VDA AND OBSTACLE AVOIDANCE.
28. UPDATED NOTE "PROCEDURE NA AT NIGHT" TO "RWY 18 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT" - IAW 8260.19H



COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: WST FPT, ZAN ARTCC, AMGR

FLIGHT CHECKED BY

JOHN KEARBY

OFFICE

FICO

DATE

05/01/19

Digitally signed by

ALLAN WILL

May 09, 2019

Digitally signed by

ALLAN WILL

May 09, 2019

DEVELOPED BY

JULIE A. MORGAN (NICK PETTIET)

OFFICE

AJV-5420

DATE

09/10/2018

APPROVED BY

JULIE MORGAN

OFFICE

AJV-5420

DATE

Digitally signed by

ALLAN WILL

May 09, 2019

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PARS
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	614647.2580N
LTP/FTP LONGITUDE	1611904.9750W
LTP/FTP ELLIPSOIDAL HEIGHT	+00272
FPAP LATITUDE	614519.1630N
FPAP LONGITUDE	1611929.2475W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.45
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1648
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	F63CB1BB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00178
FPAP ORTHOMETRIC HEIGHT	+00178

