

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> SHUNGNAC	<u>AIRPORT ID</u> PAGH	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 10	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> SHUNGNAC	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 205	<u>TDZE</u> 192	<u>SUPERSEDED</u> RNAV (GPS) RWY 9	<u>ORIGINAL/AMENDMENT</u> 2A	<u>DATED</u> 07/24/2014	<u>MAG VAR</u> 13E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 OCTOBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 013/30 CW 133/30	NOPT	013/11 CW 133/11		5800
2. 133/30 CW 193/30	NOPT	133/5 CW 193/5		6000
3. 013/11 CW 133/11		HODMO	IF/IAF	3500
4. 133/5 CW 193/5		HODMO	IF/IAF	3500
5. 193/30 CW 283/30		193/11 CW 283/11		7600
6. 193/11 CW 283/11		JABLU	IAF	5500
7. 283/30 CW 013/30		283/11 CW 013/11		6400
8. 283/11 CW 013/11		ZINDO	IAF	4500

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>
JABLU	IAF	HODMO	NOPT	TF	FB	1.00	193.28	10.00	3500
ZINDO	IAF	HODMO	NOPT	TF	FB	1.00	012.94	10.00	3500
HODMO	IF/IAF	YENUK		TF	FB	1.00	103.10	8.02	1800
YENUK	FAF	CALMU/1.80 NM TO RW10		TF	FB	0.30	103.39	3.20	
CALMU/1.80 NM TO RW10		RW10	MAP	TF	FO	0.30	103.39	1.80	
RW10	MAP	480 MSL		CA			103.39		
480 MSL		GUYER		DF	FB	1.00			
GUYER		PAYIS		TF	FO	1.00	044.18	9.00	6000



MISSED APPROACH**MAP:**

LP: RW10

LNAV: RW10

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6000 DIRECT GUYER AND ON TRACK 044.18 TO PAYIS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:**PROFILE:**

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)				
2.	HOLD W HODMO, RT, 103.10 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 6000.							
3. FAC:	103.39	FAF: YENUK	DIST FAF TO MAP: 5.00	DIST FAF TO THLD: 5.00				
4. MIN ALT:	HODMO 3500, YENUK 1800, CALMU/1.80 NM TO RW10 780							
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:				
6. MIN GP INCPT:	GP ALT AT FAF :			OM:	MM:		IM:	
7. GP ANGLE:	34:1: IS CLEAR	20:1: IS CLEAR	TCH:					
8. MSA FROM:								

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING TO RWY 28 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART PLANVIEW NOTE: FREQ 122.0 REQUIRED FOR AMF COMMUNICATIONS BELOW 10000 MSL

HOLD SE, RT, 314.14 INBOUND

CHART CIRCLING ICON.

YENUK TO RW10: 3.00/35.

CHART VDP AT 0.85 NM TO RW10

WAAS CHANNEL #50226

REFERENCE PATH ID: W10A

CHART FAS OBST: 229 TREE 665356N/1571219W, 247 TREE 665305N/1571014W.

LTP HAE: 57.7 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	480	1	288	480	1	288	480	1	288		NA				
LNAV MDA	540	1	348	540	1	348	540	1	348		NA				
CIRCLING	600	1	395	660	1	455	660	1 1/2	455		NA				

CHANGES - REASONS

1. CHANGED MINIMUM ALTITUDE AT CALMU FROM 760 TO 780 - PROVIDE STABILIZED DESCENT FROM UPDATED FAF LOCATION.
2. CHANGED TAA SEG 1 "FROM" VALUES 007/30 CW 097/30 TO 013/30 CW 133/30, CHANGED "TO" VALUES 007/12 CW 097/12 TO 013/11 CW 133/11, ALTITUDE FROM 4400 TO 5800. - REDESIGNED PER FPT CHECKLIST, 6 DEGREES ADDED FROM AIRPORT MAGVAR UPDATE.
3. CHANGED TAA SEG 2 "FROM" VALUES 097/30 CW 187/30 TO 133/30 CW 193/30, CHANGED "TO" VALUES 097/5 CW 187/5 TO 133/5 CW 193/5. - REDESIGNED PER FPT CHECKLIST, 6 DEGREES ADDED FROM AIRPORT MAGVAR UPDATE.
4. CHANGED TAA SEG 3 "FROM" VALUES 007/12 CW 097/12 TO 013/11 CW 113/11. - REDESIGNED PER FPT CHECKLIST, 6 DEGREES ADDED FROM AIRPORT MAGVAR UPDATE.
5. CHANGED TAA SEG 4 "FROM" VALUES 097/5 CW 187/5 TO 133/5 CW 193/5. - REDESIGNED PER FPT CHECKLIST, 6 DEGREES ADDED FROM AIRPORT MAGVAR UPDATE.
6. INCREASED TAA SEG'S 5 AND 6 RADIALS BY 6. - AIRPORT MAGVAR UPDATE.
7. INCREASED TAA SEG 7 "FROM" VALUES BY 6. - AIRPORT MAGVAR UPDATE.
8. CHANGED TAA SEG 7 "TO" DISTANCES FROM 24 TO 11, ALTITUDE FROM 6100 TO 6400. - REDESIGNED PER FPT CHECKLIST.
9. CHANGED TAA SEG 8 "FROM" DISTANCE FROM 24 TO 11, ALTITUDE FROM 4400 TO 4500. - REDESIGNED PER FPT CHECKLIST.
10. ALL REFERENCES TO "RW09" OR "RWY 9" CHANGED TO "RW10" OR "RWY 10" RESPECTIVELY. - AIRPORT MAGVAR UPDATE, RUNWAY NUMBERS CHANGED.
11. ALL TERMINAL ROUTES COURSES INCREASED 6 DEGREES. - AIRPORT MAGVAR UPDATE.
12. HODMO TO YENUK COURSE CHANGED FROM 097.11 TO 103.10, DISTANCE FROM 8.00 TO 8.02. - PFAF LOCATION MOVED 152 SE.
13. CRC REMAINDER CHANGED FROM 5AED5D61 TO 04E85B3B - RECOMPUTED USING UPDATED FPAP LAT/LONG AND LTP LAT/LONG.
14. YENUK TO CALUM DISTANCE CHANGED FROM 3.22 TO 3.20. - PFAF LOCATION MOVED 152 SE.
15. LTP ORTHOMETRIC HEIGHT, FPAP ORTHOMETRIC HEIGHT CHANGED FROM +00506 TO +00530. - UPDATED AIRNAV DATA.
16. INTERMEDIATE TERMINAL ROUTE RNP VALUE CHANGED FROM 0.50 TO 1.00. - IAW 8260.58A CHG 1 TABLE 1-2-1.
17. MISSED APPROACH INSTRUCTIONS, CHANGED CLIMB TO ALTITUDE FROM 5900 TO 6000. - ADDING PRECIPITOUS TERRAIN TO HOLDING CAUSES 40 FT PENETRATION TO CHARTED HOLDING.
18. HOLD IN LIEU INBOUND COURSE CHANGED FROM 097.11 TO 103.10. - TO MATCH INTERMEDIATE COURSE WITH PFAF LOCATION CHANGE.
19. FAC CHANGED FROM 097.38 TO 103.39. - PFAF CALCULATION LOCATION.
20. DISTANCE PFAF TO MAP/THLD CHANGED FROM 5.02 TO 5.00. - PFAF CALCULATION LOCATION CHANGED.
21. ADDED 20:1 IS CLEAR. - STRAIGHT IN VISUAL AREA CLEAR OF PENETRATIONS.
22. ADDED PBN REQUIREMENTS NOTE: RNP APCH, REMOVED CHART NOTE: DME/DME RNP-0.3 NA. - IAW 8260.19H 8-6-8.
23. ALL REFERENCES TO BACK-UP ALTIMETER NOTE MOVED TO BACK OF 8260-9. - BOTH ALTIMETER SOURCES ON WMSCR.
24. ADDED CHART NOTE: CIRCLING TO RWY 28 NA AT NIGHT. - CIRCLING 20:1 PENETRATIONS EXIST, DOCUMENTED ON BACK OF 8260-9.
25. ADDED CHART CIRCLING ICON. - ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.
26. REFERENCE PATH ID AND LTP HAE CHANGED FROM W09A AND 55.3M TO W10A AND 57.7 M. - UPDATED AIRNAV DATA, RUNWAY AND AIRPORT ELEVATION CHANGED.
27. CHANGED CHART FAS OBST: FROM 279 TREE 665310N/1571019W TO 247 TREE 665305N/1571014W. - NEW CONTROLLING OBS, NO CHANGE IN MINIMUMS.
28. LP CAT C VIS CHANGED FROM 7/8 SM TO 1SM. - PARALLEL TAXIWAY NOT AVAILABLE, VISIBILITY LIMITED TO 1 SM OR GREATER.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAN ARTCC, OTZ FSS, FAI FSS, AMGR

FLIGHT CHECKED BY

THOMAS CONKLIN

Digitally signed by

DAVID DANNER

Aug 14, 2019

OFFICE

FICO

DATE

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APPROVED BY

MARLON ROBINSON

Digitally signed by

CASIMIR L TABAKA

May 06, 2019

OFFICE

AJV-A420

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAGH
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	665325.8775N
LTP/FTP LONGITUDE	1571029.4625W
LTP/FTP ELLIPSOIDAL HEIGHT	+00577
FPAP LATITUDE	665246.1350N
FPAP LONGITUDE	1570707.4510W
THRESHOLD CROSSING HEIGHT (TCH)	00035.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	04E85B3B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00530
FPAP ORTHOMETRIC HEIGHT	+00530

