

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> WARREN "BUD" WOODS PALMER MUNI	<u>AIRPORT ID</u> PAAQ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 10	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> PALMER	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 249	<u>TDZE</u> 233	<u>SUPERSEDED</u> RNAV (GPS) RWY 9	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 16E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 NOVEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
BGQ VORTAC		INICE		TF	FB	2.00	059.56	6.50	3400
INICE	IAF	LEYIT		TF	FB	1.00	059.42	6.83	3300
LEYIT	IF	FAPUN		TF	FB	1.00	067.06	6.12	2300
FAPUN	FAF	RIGAE/3.22 NM TO RW10		TF	FB	0.30	097.13	3.14	
RIGAE/3.22 NM TO RW10		RW10	MAP	TF	FO	0.30	097.13	3.22	
RW10	MAP	649 MSL		CA			093.13		649
649 MSL		INICE		DF	FO	1.00			3600

MISSED APPROACH

MAP:
 LP: RW10
 LNAV: RW10

MISSED APPROACH INSTRUCTIONS:
 (DO NOT EXCEED 185 KIAS UNTIL INICE) CLIMBING RIGHT TURN TO 3600 DIRECT INICE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT LEYIT

3. FAC:

097.13

FAF: FAPUN

DIST FAF TO MAP: 6.36

DIST FAF TO THLD: 6.36

4. MIN ALT: LEYIT 3300, FAPUN 2300, RIGAE/3.22 NM TO RW10 1300

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 NOT CLEAR

20:1: IS NOT CLEAR

TCH:

8. MSA FROM: RW10 10000

PBN REQUIREMENTS NOTES:

RNP APCH

NOTES:

CHART NOTE: CIRCLING NA NE OF RWY 16-28.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: RWY 10 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BGQ VORTAC AIRWAY RADIALS 336 CW 054.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
FAPUN TO RW10: 3.00/40.
WAAS CHANNEL #40425
REFERENCE PATH ID: W10A
CHART FAS OBST: 503 TREE 613634N/1491023W, 538 TREE 613703N/1490939W.
HOLD SW, RT, 059.42 INBOUND
LTP HAE: 81.8 M

MINIMUMS:

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

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

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	760	1	527	760	1	527	760	1 1/2	527	760	1 1/2	527			
LNAV MDA	820	1	587	820	1	587	820	1 5/8	587	820	1 5/8	587			
CIRCLING	860	1	611	940	1	691	1300	3	1051	1300	3	1051			



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
WARREN "BUD" WOODS PALMER MUNI	PAAQ	RNAV (GPS) RWY 10	2	PALMER	AK

CHANGES - REASONS

- AIRPORT NAME CHANGED FROM PALMER BUDDY WOODS MUNI TO WARREN "BUD" WOODS PALMER MUNI. - BROUGHT OVER FROM PREVIOUS P-NOTAM AMENDMENT.
- TDZE CHANGE FROM 227 TO 233. - NEW AIRNAV DATA.
- RUNWAY AND PROCEDURE NAME CHANGED FROM RWY 9 TO RWY 10. - AIRPORT MAGVAR UPDATE, OLD 20E/2010, NEW 16E/2020
- ADDED 4 DEGREES TO ALL TERMINAL ROUTES. - MAGVAR UPDATE.
- LEYIT TO FAPUN CHANGED FROM 062.94 TO 67.06. - PFAF LOCATION CHANGED WITH NEW PFAF FORMULA.
- FAC CHANGED FROM 093.13 TO 097.13. - MAGVAR UPDATE.
- DIST FAF TO MAP CHANGED FROM 5.89 TO 6.36. DIST FAF TO THLD CHANGED FROM 6.39 TO 6.36. - NEW PFAF FORMULA, MAP FIX LOCATION MOVED FOR OPTIMUM STRAIGHT IN ALIGNMENT.
- MISSED HOLDING CHANGED FROM 3400 TO 3600. - IFP CHECKLIST REQUEST.
- ADDED (DO NOT EXCEED 185 KIAS UNTIL INICE) TO MISSED APPROACH. - CHARTED IAW 8260.19 8-6-6 (D).
- ADDED 20:1 NOT CLEAR. - IAW 8260.19 8-6-7 I (3), UPDATED PENETRATING OBS IN SIAP.
- REMOVED CHART NOTE: DME/DME RNP-0.3 NA, ADDED PBN EQUIPMENT REQUIREMENTS NOTES: RNP APCH. - IAW 8260.19 CH 8.
- SDF DISTANCE AND MINIMUM ALTITUDE CHANGED FROM 2.70 NM/1280 TO 3.22 NM/1300 - OPTIMUM STRAIGHT-IN ALIGNMENT AND HIGHER CAT C/D CIRCLING MDA.
- REMOVED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WASILLA ALTIMETER SETTING: INCREASE ALL MDAS 60 FEET AND INCREASE LP AND LNAV CAT C AND D VISIBILITY 1/8 SM. - PLACED ON 8260-9 FOR CONTINGENCY PURPOSES.
- RWY 9, 27 CHANGED TO 10, 28 IN CIRCLING RESTRICTION AND HELICOPTER VISIBILITY NOTE. - MAGVAR UPDATE, RUNWAY NUMBER CHANGE.
- ADDED CHART CIRCLING ICON. - ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.
- REFERENCE PATH ID CHANGED FROM W09A TO W10A. RUNWAY NUMBER CHANGED.
- CHART FAS OBST: 559 TREE 613642N/1491031W, CHANGED TO CHART FAS OBST: 503 TREE 613634N/1491023W. - NEW CONTROLLING OBS.
- 559 TREE 613656N/1490949W, CHANGED TO 538 TREE 613703N/1490939W. - REVISED MAP STUDY.
- REMOVED FAC CROSSES RWY C/L EXTENDED 3038 FT FROM THLD. - MAP MOVED TO LINE UP ON FINAL FOR OPTIMUM STRAIGHT IN ALIGNMENT.
- MISSED HOLDING INBOUND COURSE CHANGED FROM 55.42 TO 059.42. - MAGVAR UPDATE.
- ALT MINS CHANGED FROM CAT D 800-2 1/4 TO CAT C, D 1100-3. - NEW MINIMUMS.
- REMOVED NA WHEN LOCAL WEATHER NOT AVAILABLE NOTE. - BOTH WX SERVICES ON SERVICE-A.
- LP MINS CHANGED FROM LP MDA 820/1/587, 820/1/587, 820/1 3/4/587, 820/1 3/4/587, TO LP MDA 760/1/527, 760/1/527, 760/1 1/2/527, 760/1 1/2/527. - NEW CONTROLLING OBS.
- LNAV CAT C/D VISIBILITY CHANGED FROM 1 3/4 TO 1 5/8. - VISIBILITY TABLE 3-3-1 VALUES.
- CIRCLING MINS CHANGED FROM CIRCLING 880/1/631, 940/1/691, 940/2/691, 960/2 1/4/711, TO CIRCLING 860/1/611, 940/1/691, 1300/3/1051, 1300/3/1051. - NEW CIRCLING RADII USED.
- CRC REMAINDER CHANGED FROM 89019428 TO FDCE99BD. NEW AIRPORT DATA, UPDATED FPAP, LTP.

PDF EDITS:

- MOVE 538 TREE 613703N/1490939W TO CHART FAS OBST IN ADDITIONAL FLIGHT DATA.



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZAN, ANC APP CON, ATA

FLIGHT CHECKED BY

Digitally signed by

OFFICE

DATE

DEZ SILAGYI

FICO

8/3/18

Aug 23, 2018

DEVELOPED BY

Digitally signed by

OFFICE

DATE

LEO PALMER

LEO PALMER

AJV-5421

04/05/2018

Jun 04, 2018

APPROVED BY

Digitally signed by

OFFICE

DATE

TITLE

JULIE MORGAN

DEZ SILAGYI

AJV-5420

MANAGER

Aug 23, 2018

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAAQ
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	613541.9550N
LTP/FTP LONGITUDE	1490602.3005W
LTP/FTP ELLIPSOIDAL HEIGHT	+00818
FPAP LATITUDE	613506.7710N
FPAP LONGITUDE	1490311.0925W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1648
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER	FDCE99BD
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00711
FPAP ORTHOMETRIC HEIGHT	+00711

