

**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><b>AIRPORT</b></u><br>WARREN "BUD" WOODS PALMER<br>MUNI | <u><b>AIRPORT ID</b></u><br>PAAQ        | <u><b>PROCEDURE NAME</b></u><br>RNAV (GPS)-A | <u><b>ORIGINAL/AMENDMENT</b></u><br>1            | <u><b>CITY</b></u><br>PALMER      | <u><b>STATE</b></u><br>AK        |
| <u><b>AIRPORT ELEVATION</b></u><br>249                     | <u><b>TDZE</b></u>                      | <u><b>SUPERSEDED</b></u><br>RNAV (GPS)-A     | <u><b>ORIGINAL/AMENDMENT</b></u><br>ORIG-B       | <u><b>DATED</b></u><br>02/01/2018 | <u><b>MAG VAR</b></u><br>16E     |
| <u><b>FACILITY</b></u><br>RNAV                             | <u><b>COORDINATES OF FACILITIES</b></u> | <u><b>ACTUAL EFFECTIVE DATE</b></u>          | <u><b>REQUIRED EFFECTIVE DATE</b></u><br>ROUTINE | <u><b>CANCEL SUSPEND</b></u>      | <u><b>EPOCH YEAR</b></u><br>2020 |

**TERMINAL ROUTES**

| <u><b>FROM</b></u> | <u><b>FIX TYPE</b></u> | <u><b>TO</b></u> | <u><b>FIX TYPE</b></u> | <u><b>LEG TYPE</b></u> | <u><b>FO/FB</b></u> | <u><b>RNP</b></u> | <u><b>COURSE</b></u> | <u><b>DISTANCE</b></u> | <u><b>ALTITUDE</b></u> |
|--------------------|------------------------|------------------|------------------------|------------------------|---------------------|-------------------|----------------------|------------------------|------------------------|
| BGQ VORTAC         |                        | OWGAT            |                        | TF                     | FB                  | 2.00              | 087.54               | 12.95                  | 4000                   |
| OWGAT              | IAF                    | KIYAV            |                        | TF                     | FB                  | 1.00              | 092.59               | 4.43                   | 2500                   |
| KIYAV              | IF                     | ZUYEB            |                        | TF                     | FB                  | 1.00              | 050.82               | 5.99                   | 2000                   |
| ZUYEB              | FAF                    | MAVUE            | MAP                    | TF                     | FO                  | 0.30              | 024.39               | 3.93                   |                        |
| MAVUE              | MAP                    | 649 MSL          |                        | CA                     |                     |                   | 024.39               |                        | 649                    |
| 649 MSL            |                        | BGQ VORTAC       |                        | DF                     | FO                  | 1.00              |                      |                        | 4500                   |

**MISSED APPROACH**

**MAP:**  
MAVUE

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING LEFT TURN TO 4500 DIRECT BGQ VORTAC AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT      **SIDE OF COURSE**      **OUTBOUND**      **FT WITHIN**      **MILES OF (IAF)**
2. PROFILE STARTS AT KIYAV
3. **FAC:** 024.39      **FAF:** ZUYEB      **DIST FAF TO MAP:** 3.93      **DIST FAF TO THLD:**
4. **MIN ALT:** KIYAV 2500, ZUYEB 2000
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:**      **20:1:**      **TCH:**
8. **MSA FROM:** MAVUE 10000



PBN REQUIREMENTS NOTES:

RNP APCH

NOTES:

CHART NOTE: CIRCLING NA NE OF RWY 16-28.  
CHART NOTE: PROCEDURE NA AT NIGHT.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BGQ ON V456 SOUTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

FAC CROSSES INTERSECTION OF RWYS 10-28 AND 16-34.  
FAS OBST: 355 AAO 613321N/1491130W.  
HOLD W, RT, 088.00 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ 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 |
| CIRCLING   | 860    | 1 1/4 | 611     | 940    | 1 1/4 | 691     | 1300   | 3   | 1051    | 1300   | 3   | 1051    |        |     |         |

CHANGES - REASONS

- AIRPORT NAME CHANGED FROM PALMER BUDDY WOODS MUNI TO WARREN "BUD" WOODS PALMER MUNI. - CHANGE CARRIED OVER FROM PREVIOUS P-NOTAM AMENDMENT.
- MAGVAR CHANGED FROM 20E/10 TO 16E/20. - MAGVAR UPDATE.
- BGQ VORTAC TO OWGAT COURSE CHANGED FROM 083.54 TO 087.54. - MAGVAR UPDATE.
- OWGAT TO KIYAV COURSE CHANGED FROM 083.02 TO 092.59. DISTANCE CHANGED FROM 4.11 TO 4.43. - IF MOVED PER IFP CHECKLIST REQUEST.
- KIYAV TO ZUYEB COURSE CHANGED FROM 051.83 TO 50.82, DISTANCE CHANGED FROM 6.00 TO 5.99. - FAF LOCATION CHANGED PER IFP CHECKLIST REQUEST.
- FAC CHANGED FROM 022.75 TO 024.39. DISTANCE FAF TO MAP CHANGED FROM 4.10 TO 3.93. - FAF LOCATION CHANGED PER IFP CHECKLIST REQUEST.
- MISSED APPROACH CHANGED FROM DIRECT OWGAT AND HOLD, CONTINUE CLIMB-IN-HOLD TO DIRECT BGQ VORTAC AND HOLD. - MISSED HOLDING CHANGED PER IFP CHECKLIST REQUEST.
- ADDED PBN REQUIREMENTS NOTE: RNP APPROACH, REMOVED CHART NOTE: DME/DME RNP-0.3 NA. - IAW 8260.19 8-6-8.
- ADDED CHART NOTE: CIRCLING NA NE OF RWY 16-28. - CARRIED OVER FROM PREVIOUS P-NOTAM AMENDMENT.
- RWY 9 CHANGED TO RWY 10, RWY 27 CHANGED TO RWY 28 IN HELICOPTER VISIBILITY NOTE. - MAGVAR UPDATE, RUNWAY NUMBER CHANGE.
- REMOVED FAC CROSSES RWY 34 THLD, ADDED FAC CROSSES INTERSECTION OF RWYS 10-28 AND 16-34. - CORRECT LOCATION OF FINAL COURSE CROSSING LOCATION.
- CHART FAS OBS CHANGED FROM 309 TREE 613446N/1490524W TO FAS OBST: 355 AAO 613321N/1491130W. - NEW CONTROLLING OBSTACLE AS RESULT OF NEW MAP STUDY.
- BACK UP ALTIMETER NOTE REMOVED, PLACED ON BACK OF 8260-9 AS A CONTINGENCY NOTE. - BOTH WX SERVICES ARE ON WMSCR.
- MISSED HOLDING CHANGED FROM 083.22 TO 088.00 INBOUND.- NEW MISSED HOLDING PATTERN.
- ALT MINS CHANGED FROM CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE, TO CAT C, D 1100-3. - BOTH WX SERVICES ON WMSCR.
- FAF ALTITUDE CHANGED FROM 1900 TO 2000. - PRECIPITOUS TERRAIN (230 FT) ADDED TO ADJUSTMENTS, IFP CHECKLIST REQUEST.
- MINIMUMS:
  - CIRCLING CAT A CHANGED FROM 880-1-631 TO 860-1 1/4-611. - NEW CONTROLLING OBS.
  - CIRCLING CAT B VIS CHANGED FROM 1 TO 1 1/4 SM. - NEW VISIBILITY TABLE VALUES.
  - CIRCLING CAT C CHANGED FROM 940-2-691 TO 1300-3-1051. - NEW CIRCLING RADII APPLIED.
  - CIRCLING CAT D CHANGED FROM 960-2 1/4-711 TO 1300-3-1051. - NEW CIRCLING RADII APPLIED.



**COORDINATED WITH:**

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

**FLIGHT CHECKED BY**

**OFFICE**

**DATE**

**DEVELOPED BY**

*Digitally signed by*

**OFFICE**

**DATE**

LEO PALMER

**LEO PALMER**

AJV-5422

05/15/2018

**APPROVED BY**

May 30, 2018

**OFFICE**

**DATE**

**TITLE**

JULIE MORGAN

AJV-5420

MANAGER



FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

| AIRPORT                           | AIRPORT ID | PROCEDURE NAME | AMDT NO. | CITY   | STATE | AIRPORT ELEVATION | FACILITY |
|-----------------------------------|------------|----------------|----------|--------|-------|-------------------|----------|
| WARREN "BUD" WOODS<br>PALMER MUNI | PAAQ       | RNAV (GPS)-A   | 1        | PALMER | AK    | 249               | RNAV     |

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM

BGQ VORTAC

TO

OWGAT

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|-----|----------|-----|-----|-----|------|
|     | 12.95    |     |     |     |      |

| OBSTRUCTION | COORDINATES            | ELEV MSL  | HORZ | VERT | AC | ROC  | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------|------------------------|-----------|------|------|----|------|-----|----|------|-------------|---------|
| 1.AAO       | 613139.00N/1493830.00W | 650       | 250  | 125  | 4E | 1000 |     |    |      | AT2350      | 4000    |
| 2.TERRAIN   | 613139.00N/1493830.00W | 450 (500) |      |      |    |      |     |    |      | AS1500      | 2000    |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:

INITIAL

FROM

OWGAT

TO

KIYAV

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|-----|----------|-----|-----|-----|------|
|     | 4.43     |     |     |     |      |

| OBSTRUCTION         | COORDINATES            | ELEV MSL  | HORZ | VERT | AC | ROC  | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---------------------|------------------------|-----------|------|------|----|------|-----|----|------|-------------|---------|
| 3.TOWER (02-000535) | 613309.10N/1493208.00W | 403       | 500  | 125  | 5E | 1000 |     |    |      | PR140 AT957 | 2500    |
| 4.TERRAIN           | 613303.00N/1493054.00W | 306 (300) |      |      |    |      |     |    |      | AS1500      | 1800    |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:



| <u>AIRPORT</u>                    | <u>AIRPORT ID</u> | <u>PROCEDURE NAME</u> | <u>AMDT NO.</u> | <u>CITY</u> | <u>STATE</u> | <u>AIRPORT ELEVATION</u> | <u>FACILITY</u> |
|-----------------------------------|-------------------|-----------------------|-----------------|-------------|--------------|--------------------------|-----------------|
| WARREN "BUD" WOODS<br>PALMER MUNI | PAAQ              | RNAV (GPS)-A          | 1               | PALMER      | AK           | 249                      | RNAV            |

INTERMEDIATE

FROM

KIYAV

TO

ZUYEB

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u> | <u>MAP</u>      | <u>HAT</u>  |             |           | <u>HMAS</u> |            |           |             |                      |                |
|--------------------|------------------------|------------|-----------------|-------------|-------------|-----------|-------------|------------|-----------|-------------|----------------------|----------------|
|                    | 5.99                   |            |                 |             |             |           |             |            |           |             |                      |                |
| <u>OBSTRUCTION</u> | <u>COORDINATES</u>     |            | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u>  | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u>   | <u>MIN ALT</u> |
| 5.AAO              | 612739.00N/1491706.00W |            | 1605            | 250         | 125         | 4E        | 500         |            |           |             | SA-496 AC68<br>PR230 | 2000           |
| 6.TERRAIN          | 613307.08N/1491340.98W |            | 112 (100)       |             |             |           |             |            |           |             | AS1500               | 1600           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT

REMARKS:

OBS #5 IS 6031 FT INTO THE SECONDARY.

FINAL: LNAV

FROM

ZUYEB

TO

MAVUE

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u> | <u>MAP</u>      | <u>HAT</u>  |             |           | <u>HMAS</u> |            |           |             |                    |                |
|--------------------|------------------------|------------|-----------------|-------------|-------------|-----------|-------------|------------|-----------|-------------|--------------------|----------------|
|                    | 3.93                   |            | MAVUE           |             |             |           |             |            |           |             |                    |                |
| <u>OBSTRUCTION</u> | <u>COORDINATES</u>     |            | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u>  | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
| 7.AAO              | 613321.00N/1491130.00W |            | 355             | 250         | 125         | 4E        | 250         |            |           |             | AC125              | 740            |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT

REMARKS:





| <u>AIRPORT</u>                    | <u>AIRPORT ID</u> | <u>PROCEDURE NAME</u> | <u>AMDT NO.</u> | <u>CITY</u> | <u>STATE</u> | <u>AIRPORT ELEVATION</u> | <u>FACILITY</u> |
|-----------------------------------|-------------------|-----------------------|-----------------|-------------|--------------|--------------------------|-----------------|
| WARREN "BUD" WOODS<br>PALMER MUNI | PAAQ              | RNAV (GPS)-A          | 1               | PALMER      | AK           | 249                      | RNAV            |

MSA

| <u>CENTER</u> | <u>RADIUS</u> |
|---------------|---------------|
| MAVUE         | 25            |

| <u>SECTOR</u> | <u>OBSTRUCTION</u> | <u>COORDINATES</u>     | <u>BEARING</u> | <u>DISTANCE</u> | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
|---------------|--------------------|------------------------|----------------|-----------------|-----------------|-------------|-------------|-----------|------------|------------|--------------------|----------------|
| 360-360       | AAO                | 613356.70N/1480831.40W | 072            | 27.3            | 8985            | 250         | 125         | 4E        | 1000       |            |                    | 10000          |

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

TAA NOT DEVELOPED PER FPT.

VEGETATION: TREE HEIGHT 100 FEET

CIRCLING RESTRICTION NE OF RWY 16/28 DUE TO TERRAIN

PFAF LOCATION NOT USED TO MITIGATE MOUNTAIN TERRAIN OBSTRUCTION ON INTERMEDIATE

FOR CONTINGENCIES PURPOSES.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WASILLA ALTIMETER SETTING: INCREASE ALL MDAS 60 FEET.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZAN ARTCC, ANC APP CON, ENA FSS

| <u>WX SERVICE</u>         | <u>LOCATION</u> | <u>HRS OPERATION</u> | <u>ALTIMETER SOURCE</u> | <u>DISTANCE</u> | <u>SERVICE-A</u> | <u>ADJUSTMENTS</u> |
|---------------------------|-----------------|----------------------|-------------------------|-----------------|------------------|--------------------|
| ASOS                      | PAAQ            | 24                   | PAAQ                    | 0               | Y                | 0                  |
| <u>BACK-UP WX SERVICE</u> | <u>LOCATION</u> | <u>HRS OPERATION</u> | <u>ALTIMETER SOURCE</u> | <u>DISTANCE</u> | <u>SERVICE-A</u> | <u>ADJUSTMENTS</u> |
| AWOS-3P                   | PAWS            | 24                   | PAWS                    | 13.026          | Y                | 45                 |

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME

PAAQ 249, PAWS 354

RA = 44.72

| <u>PRIMARY NAVAID</u> | <u>MONITOR POINT</u> | <u>HRS OPERATION</u> | <u>CAT</u> |
|-----------------------|----------------------|----------------------|------------|
|                       |                      |                      |            |

| <u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>   | <u>RUNWAY MARKINGS</u> | <u>RUNWAY VISUAL RANGE</u> |
|--|------------------------|----------------------------|
| RW10 - MIRL (PCL), PAPI-2L (PCL)             | BSC-F                  |                            |
| RW16 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL) | BSC-F                  |                            |
| RW28 - MIRL (PCL), PAPI-2L (PCL)             | BSC-F                  |                            |
| RW34 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL) | BSC-F                  |                            |

QUALITY  
41  
CHECKED

CRITICAL TEMPERATURE REMARKS:



| AIRPORT   | AIRPORT ID       | PROCEDURE NAME | AMDT NO. | CITY  | STATE | AIRPORT ELEVATION | FACILITY |
|---|------------------|----------------|----------|---|-------|-------------------|----------|
| WARREN "BUD" WOODS<br>PALMER MUNI                   | PAAQ             | RNAV (GPS)-A   | 1        | PALMER  | AK    | 249               | RNAV     |
| 313 TREE (02-224640) 613618.23N/1490510.05W (31.84) |                  |                |          | 310 TREE (02-224643) 613618.38N/1490509.03W (28.09) |       |                   |          |
| 289 TREE (02-223318) 613615.08N/1490511.02W (23.83) |                  |                |          | 290 TREE (02-222163) 613615.95N/1490510.26W (20.42) |       |                   |          |
| 304 TREE (02-224850) 613619.21N/1490510.65W (17.86) |                  |                |          | 271 TREE (02-234776) 613613.71N/1490511.79W (12.78) |       |                   |          |
| 327 TREE (02-221518) 613625.40N/1490522.05W (9.35)  |                  |                |          | 288 TREE (02-224642) 613618.31N/1490510.43W (6.43)  |       |                   |          |
| 331 TREE (02-250282) 613627.02N/1490523.60W (5.11)  |                  |                |          | 299 TREE (02-222534) 613620.74N/1490510.24W (5.09)  |       |                   |          |
| 325 TREE (02-222309) 613625.88N/1490520.45W (4.92)  |                  |                |          | 329 TREE (02-222328) 613626.71N/1490523.30W (4.68)  |       |                   |          |
| 277 TREE (02-222173) 613616.53N/1490511.00W (4.47)  |                  |                |          | 323 TREE (02-249884) 613625.71N/1490506.97W (3.88)  |       |                   |          |
| 329 TREE (02-222338) 613626.90N/1490506.54W (3.84)  |                  |                |          | 324 TREE (02-222624) 613626.27N/1490519.29W (1.95)  |       |                   |          |
| 344 TREE (02-224926) 613630.21N/1490520.59W (1.93)  |                  |                |          | 338 TREE (02-223519) 613629.05N/1490522.70W (1.81)  |       |                   |          |
| 291 TREE (02-223975) 613620.16N/1490511.69W (0.03)  |                  |                |          |   |       |                   |          |
| Final Type  | CIRCLING RWY 16  |                |          |   |       |                   |          |
| 34:1  |                  |                |          |   |       |                   |          |
| N/A   |                  |                |          |   |       |                   |          |
| Final Type  | CIRCLING RWY 16R |                |          |   |       |                   |          |
| 20:1  |                  |                |          |   |       |                   |          |
| 323 TREE (02-230177) 613609.40N/1490508.91W (12.18) |                  |                |          | 322 TREE (02-235010) 613610.96N/1490509.43W (3.26)  |       |                   |          |
| 305 TREE (02-228184) 613608.11N/1490509.52W (0.73)  |                  |                |          |   |       |                   |          |
| Final Type  | CIRCLING RWY 16R |                |          |   |       |                   |          |
| 34:1  |                  |                |          |   |       |                   |          |
| N/A   |                  |                |          |   |       |                   |          |
| Final Type  | CIRCLING RWY 28  |                |          |   |       |                   |          |
| 20:1  |                  |                |          |   |       |                   |          |
| 284 TREE (02-226792) 613527.20N/1490438.31W (30.94) |                  |                |          | 281 TREE (02-226324) 613527.44N/1490438.65W (29.18) |       |                   |          |
| 270 TREE (02-227246) 613526.21N/1490438.68W (15.77) |                  |                |          | 266 TREE (02-230768) 613526.35N/1490437.34W (9.08)  |       |                   |          |
| 273 TREE (02-228574) 613524.93N/1490435.31W (8.71)  |                  |                |          | 281 TREE (02-234983) 613522.48N/1490432.71W (6.01)  |       |                   |          |
| 238 TREE (02-229885) 613524.76N/1490447.97W (1.50)  |                  |                |          |   |       |                   |          |
| Final Type  | CIRCLING RWY 28  |                |          |   |       |                   |          |
| 34:1  |                  |                |          |   |       |                   |          |
| N/A   |                  |                |          |   |       |                   |          |
| Final Type  | CIRCLING RWY 34  |                |          |   |       |                   |          |



| <u>AIRPORT</u>                                      | <u>AIRPORT ID</u> | <u>PROCEDURE NAME</u> | <u>AMDT NO.</u> | <u>CITY</u>  | <u>STATE</u> | <u>AIRPORT ELEVATION</u> | <u>FACILITY</u> |
|---|-------------------|-----------------------|-----------------|--|--------------|--------------------------|-----------------|
| WARREN "BUD" WOODS<br>PALMER MUNI                   | PAAQ              | RNAV (GPS)-A          | 1               | PALMER   | AK           | 249                      | RNAV            |
| 20:1  |                   |                       |                 |  |              |                          |                 |
| 277 TREE (02-224652) 613504.17N/1490519.23W (10.13) |                   |                       |                 | 277 TREE (02-223371) 613503.92N/1490518.55W (8.86) |              |                          |                 |
| Final Type  | CIRCLING RWY 34   |                       |                 |  |              |                          |                 |
| 34:1  |                   |                       |                 |  |              |                          |                 |
| N/A   |                   |                       |                 |  |              |                          |                 |
| Final Type  | CIRCLING RWY 34L  |                       |                 |  |              |                          |                 |
| 20:1  |                   |                       |                 |  |              |                          |                 |
| 234 TREE (02-234851) 613535.81N/1490518.25W (2.80)  |                   |                       |                 |  |              |                          |                 |
| Final Type  | CIRCLING RWY 34L  |                       |                 |  |              |                          |                 |
| 34:1  |                   |                       |                 |  |              |                          |                 |
| N/A   |                   |                       |                 |  |              |                          |                 |

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or

**5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS**

**PART C: GENERAL REMARKS:**

VDP NOT ESTABLISHED - FINAL CIRCLING ONLY.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



| <u>AIRPORT</u>  | <u>AIRPORT ID</u>   | <u>PROCEDURE NAME</u>           | <u>AMDT NO.</u> | <u>CITY</u> | <u>STATE</u> | <u>AIRPORT ELEVATION</u> | <u>FACILITY</u> |
|---|---|---------------------------------|-----------------|-------------|--------------|--------------------------|-----------------|
| WARREN "BUD" WOODS<br>PALMER MUNI   | PAAQ  | RNAV (GPS)-A                    | 1               | PALMER      | AK           | 249                      | RNAV            |
| PART D: AIRSPACE  |   |                                 |                 |             |              |                          |                 |
| DOCKET #  |   |                                 |                 |             |              |                          |                 |
| ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE |   |                                 |                 |             |              |                          |                 |
| DISTANCE FROM   | ARP   | TO 1000FT POINT                 | 1.26            |             |              |                          |                 |
| WIDTH OF  | FINAL   | SEGMENT AT 1000FT POINT         | 1.20            |             |              |                          |                 |
| TRUE COURSE OF  | FINAL   | SEGMENT CONTAINING 1000FT POINT | 040.39          |             |              |                          |                 |
| HIGH TERRAIN IN   | FINAL   | SEGMENT CONTAINING 1000FT POINT | 155             |             |              |                          |                 |
| DISTANCE FROM   | ARP   | TO 1500FT POINT                 | 3.33            |             |              |                          |                 |
| WIDTH OF  | FINAL   | SEGMENT AT 1500FT POINT         | 1.57            |             |              |                          |                 |
| TRUE COURSE OF  | FINAL   | SEGMENT CONTAINING 1500FT POINT | 040.39          |             |              |                          |                 |
| HIGH TERRAIN IN   | FINAL   | SEGMENT CONTAINING 1500FT POINT | 155             |             |              |                          |                 |
| THRESHOLD<br>COORDINATES<br>(IF STR-IN)   |   |                                 |                 |             |              |                          |                 |
| ARP COORDINATES   | 613541.70N/1490519.40W  |                                 |                 |             |              |                          |                 |
| RUNWAY APCH END<br>AND DIST FURTHEST<br>FROM ARP  | RUNWAY 16 DISTANCE 0.55 NM  |                                 |                 |             |              |                          |                 |
| FAF<br>COORDINATES  | 613202.02N/1491129.58W  |                                 |                 |             |              |                          |                 |
| FIX NAME<br>COORDINATES   | IAF OWGAT: 613106.19N/1493145.03W, IF KIYAV: 612941.43N/1492259.68W |                                 |                 |             |              |                          |                 |
| REMARKS   |   |                                 |                 |             |              |                          |                 |
| NO ADDITIONAL AIRSPACE REQUIRED.  |   |                                 |                 |             |              |                          |                 |



| <u>AIRPORT</u>                    | <u>AIRPORT ID</u> | <u>PROCEDURE NAME</u> | <u>AMDT NO.</u> | <u>CITY</u> | <u>STATE</u> | <u>AIRPORT ELEVATION</u> | <u>FACILITY</u> |
|-----------------------------------|-------------------|-----------------------|-----------------|-------------|--------------|--------------------------|-----------------|
| WARREN "BUD" WOODS<br>PALMER MUNI | PAAQ              | RNAV (GPS)-A          | 1               | PALMER      | AK           | 249                      | RNAV            |

PART E: PREPARED BY

| <u>NAME</u> | <u>OFFICE</u> | <u>DATE</u> | <u>TITLE</u>                        |
|-------------|---------------|-------------|-------------------------------------|
| LEO PALMER  | AJV-5422      | 05/15/2018  | AERONAUTICAL INFORMATION SPECIALIST |

