

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
PALMER	FIVE	PALMR5.BGQ	FOUR	12/07/2017	8 NOVEMBER 2018
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 16: CLIMB HEADING 163.83 TO 750, THEN RIGHT TURN DIRECT TO CROSS BGQ VORTAC AT OR ABOVE 4000, THENCE ...

TAKEOFF RWY 28: CLIMB HEADING 277.31 TO 750, THEN LEFT TURN DIRECT TO CROSS BGQ VORTAC AT OR ABOVE 4000, THENCE ...

TAKEOFF RWY 34: CLIMB HEADING 343.83 TO 750, THEN LEFT TURN DIRECT TO CROSS BGQ VORTAC AT OR ABOVE 4000, THENCE ...

..MAINTAIN 4000 OR ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
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PROCEDURAL DATA NOTES:

RNAV 1

GPS REQUIRED

CHART NOTE: RWY 16: DO NOT EXCEED 210 KIAS UNTIL ESTABLISHED DIRECT BGQ VORTAC

TAKEOFF MINIMUMS:

RWY 10, NA-OBSTACLES

RWY 16, STANDARD WITH MINIMUM CLIMB OF 319 FEET PER NM TO 1100.

RWY 28, 300-1 7/8, OR STANDARD WITH MINIMUM CLIMB OF 209 FEET PER NM TO 750.

RWY 34, STANDARD WITH MINIMUM CLIMB OF 432 FEET PER NM TO 900.



TAKEOFF OBSTACLES NOTES:

NOTE: RWY 16, NAVAID BEGINNING 3 FT FROM DER, 40 FT RIGHT OF CENTERLINE, UP TO 2 FT AGL/222 FT MSL. NAVAID, FENCE BEGINNING 4 FT FROM DER, 49 FT LEFT OF CENTERLINE, UP TO 1 FT AGL/222 FT MSL. TERRAIN BEGINNING 197 FT FROM DER, 393 FT RIGHT OF CENTERLINE, UP TO 227 FT MSL. TREES BEGINNING 584 FT FROM DER, 161 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/274 FT MSL. CATENARY 910 FT FROM DER, 623 FT RIGHT OF CENTERLINE, 39 FT AGL/259 FT MSL. TREES BEGINNING 991 FT FROM DER, 40 FT RIGHT OF CENTERLINE, UP TO 72 FT AGL/292 FT MSL. TREES BEGINNING 2340 FT FROM DER, 246 FT RIGHT OF CENTERLINE, UP TO 90 FT AGL/301 FT MSL.

NOTE: RWY 28, NAVAID BEGINNING 3 FT FROM DER, 27 FT RIGHT OF CENTERLINE, UP TO 2 FT AGL/234 FT MSL. NAVAID BEGINNING 11 FT FROM DER, 37 FT LEFT OF CENTERLINE, UP TO 1 FT AGL/234 FT MSL. VEGETATION 11 FT FROM DER, 48 FT RIGHT OF CENTERLINE, 3 FT AGL/236 FT MSL. VERTICAL_STRUCTURE, TREE, VEGETATION BEGINNING 20 FT FROM DER, 183 FT RIGHT OF CENTERLINE, UP TO 22 FT AGL/259 FT MSL. TREES BEGINNING 20 FT FROM DER, 10 FT LEFT OF CENTERLINE, UP TO 90 FT AGL/322 FT MSL. TREE, VEGETATION BEGINNING 278 FT FROM DER, 18 FT RIGHT OF CENTERLINE, UP TO 79 FT AGL/317 FT MSL. TREE, POLE, CATENARY, ANTENNA BEGINNING 513 FT FROM DER, 12 FT RIGHT OF CENTERLINE, UP TO 92 FT AGL/328 FT MSL. TREES BEGINNING 1377 FT FROM DER, 45 FT LEFT OF CENTERLINE, UP TO 94 FT AGL/331 FT MSL. TREES BEGINNING 2121 FT FROM DER, 594 FT LEFT OF CENTERLINE, UP TO 97 FT AGL/337 FT MSL. TREES BEGINNING 3799 FT FROM DER, 876 FT LEFT OF CENTERLINE, UP TO 67 FT AGL/345 FT MSL. TREE 3965 FT FROM DER, 773 FT LEFT OF CENTERLINE, 69 FT AGL/354 FT MSL.

NOTE: RWY 34, TREE, NAVAID BEGINNING 1 FT FROM DER, 39 FT RIGHT OF CENTERLINE, UP TO 79 FT AGL/287 FT MSL. NAVAID BEGINNING 9 FT FROM DER, 40 FT LEFT OF CENTERLINE, UP TO 2 FT AGL/250 FT MSL. SIGN 28 FT FROM DER, 198 FT LEFT OF CENTERLINE, 3 FT AGL/251 FT MSL. VEGETATION 38 FT FROM DER, 431 FT LEFT OF CENTERLINE, 4 FT AGL/253 FT MSL. TREE 73 FT FROM DER, 192 FT RIGHT OF CENTERLINE, 47 FT AGL/289 FT MSL. TREES BEGINNING 138 FT FROM DER, 144 FT RIGHT OF CENTERLINE, UP TO 82 FT AGL/306 FT MSL. VEGETATION BEGINNING 164 FT FROM DER, 287 FT LEFT OF CENTERLINE, UP TO 2 FT AGL/255 FT MSL. TREE 270 FT FROM DER, 545 FT LEFT OF CENTERLINE, 5 FT AGL/257 FT MSL.

TREE, CATENARY, POLE BEGINNING 393 FT FROM DER, 108 FT RIGHT OF CENTERLINE, UP TO 73 FT AGL/313 FT MSL. TREE 575 FT FROM DER, 512 FT LEFT OF CENTERLINE, 4 FT AGL/265 FT MSL. TREES BEGINNING 653 FT FROM DER, 170 FT LEFT OF CENTERLINE, UP TO 4 FT AGL/266 FT MSL. CATENARY, POLE, TREE BEGINNING 1046 FT FROM DER, 52 FT LEFT OF CENTERLINE, UP TO 42 FT

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PALMER	FIVE	PALMR5.BGQ	FOUR	12/07/2017	8 NOVEMBER 2018

AGL/284 FT MSL. TREES BEGINNING 1123 FT FROM DER, 133 FT LEFT OF CENTERLINE, UP TO 83 FT AGL/327 FT MSL. TREES BEGINNING 1129 FT FROM DER, 12 FT RIGHT OF CENTERLINE, UP TO 82 FT AGL/325 FT MSL. TREE 1256 FT FROM DER, 397 FT LEFT OF CENTERLINE, 80 FT AGL/329 FT MSL. TREES BEGINNING 1880 FT FROM DER, 34 FT LEFT OF CENTERLINE, UP TO 97 FT AGL/352 FT MSL. TREE 1990 FT FROM DER, 75 FT RIGHT OF CENTERLINE, 102 FT AGL/341 FT MSL. TREES BEGINNING 2184 FT FROM DER, 4 FT RIGHT OF CENTERLINE, UP TO 109 FT AGL/344 FT MSL. TREES BEGINNING 2546 FT FROM DER, 162 FT LEFT OF CENTERLINE, UP TO 98 FT AGL/356 FT MSL. TREE 2963 FT FROM DER, 1188 FT RIGHT OF CENTERLINE, 82 FT AGL/355 FT MSL. TREES BEGINNING 2973 FT FROM DER, 1191 FT RIGHT OF CENTERLINE, UP TO 86 FT AGL/364 FT MSL. TREES BEGINNING 4046 FT FROM DER, 1574 FT RIGHT OF CENTERLINE, UP TO 119 FT AGL/379 FT MSL. TREE 4818 FT FROM DER, 1704 FT RIGHT OF CENTERLINE, 118 FT AGL/385 FT MSL. TREE 1 NM FROM DER, 2106 FT RIGHT OF CENTERLINE, 96 FT AGL/590 FT MSL.

CONTROLLING OBSTACLES:

RWY 16:

759 FEET MSL TREE 613242.24N/1490336.18W

RWY 28:

455 FEET MSL TREE 613637.32N/1490823.07W (CLIMB GRADIENT, CLIMB-TO ALTITUDE)

471 FEET MSL TOWER 613627.10N/1490855.00W (CEILING)

454 FEET MSL TREE 613636.13N/1490831.50W (VISIBILITY)

RWY 34:

630 FEET MSL TOWER 613725.79N/1490702.83W

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: ALL RUNWAYS 6365 FEET MSL AAO 613612.78N/1485306.55W

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR; PAAQ 16E EPOCH YR;20

DME/DME ASSESSMENT: NOT CONDUCTED.

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
WARREN "BUD" WOODS PALMER MUNI (PAAQ)	PALMER	AK

COMMUNICATIONS:

ZAN, CTAF, ANCHORAGE DEP CON

FIXES AND/OR NAVAIDS:

REMARKS:

RWY 34: OBSTACLES BEYOND 3SM CANNOT BE MITIGATED BY VCOA - RNAV DP.



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PALMER	FIVE	PALMR5.BGQ	FOUR	12/07/2017	8 NOVEMBER 2018

FLIGHT INSPECTED BY:

DANIEL STRICKER

Digitally signed by

DEZ SILAGYI

Aug 23, 2018

OFFICE SYMBOL:

FICO

DATE:

7/31/18

DEVELOPED BY:

LEO PALMER

Digitally signed by

LEO PALMER

May 24, 2018

OFFICE SYMBOL:

AJV-5421

DATE:

04/19/2018

APPROVED BY:

JULIE MORGAN

Digitally signed by

DEZ SILAGYI

Aug 23, 2018

OFFICE SYMBOL:

AJV-5420

DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A

ALPA

AOPA

APA

HAI

NBAA

☐☒☒☐☐☒

OTHER:

ZAN, ANCHORAGE DEP CON

CHANGES - REASONS:

- TAKEOFF RWY 16: CLIMB DIRECT OCKAS, THEN RIGHT TURN VIA 252.45 TRACK TO BGQ VORTAC, THENCE ... CHANGED TO TAKEOFF RWY 16: CLIMB HEADING 163.83 TO 750, THEN RIGHT TURN DIRECT TO CROSS BGQ VORTAC AT OR ABOVE 4000, THENCE ... - IFP CHECKLIST REQUEST.

- TAKEOFF RWY 27: CLIMB DIRECT YAZVU, THEN VIA 244.58 TRACK TO BGQ VORTAC, THENCE ... CHANGED TO TAKEOFF RWY 28: CLIMB HEADING 277.31 TO 750, THEN LEFT TURN DIRECT TO CROSS BGQ VORTAC AT OR ABOVE 4000, THENCE ... - IFP CHECKLIST REQUEST. RWY NUMBER CHANGED DUE TO MAGVAR UPDATE.

- TAKEOFF RWY 34: CLIMB DIRECT EVWIC, THEN LEFT TURN VIA 241 .20 TRACK TO BGQ VORTAC, THENCE ... CHANGED TO TAKEOFF RWY 34: CLIMB HEADING 343.83 TO 750, THEN LEFT TURN DIRECT TO CROSS BGQ VORTAC AT OR ABOVE 4000, THENCE ... -IFP CHECKLIST REQUEST.

TAKEOFF MINIMUMS:

- RWY 16 CHANGED FROM STANDARD WITH MINIMUM CLIMB OF 272 FEET PER NM TO 1000, TO STANDARD WITH MINIMUM CLIMB OF 319 FEET PER NM TO 1100.

- RWY 28 CHANGED FROM 500-1 1/4, OR STANDARD WITH MINIMUM CLIMB OF 245 FEET PER NM TO 750, TO 300-1 7/8, OR STANDARD WITH MINIMUM CLIMB OF 209 FEET PER NM TO 750.

- RWY 34 CHANGED FROM 500- 1 1/2, OR STANDARD WITH MINIMUM CLIMB OF 467 FEET PER NM TO 800, TO STANDARD WITH MINIMUM CLIMB OF 432 FEET PER NM TO 900.

- MAINTAIN 3000 CHANGED TO MAINTAIN 4000. - IFP CHECKLIST REQUEST.

- ADDED CHART NOTE: RWY 16: DO NOT EXCEED 210 KIAS UNTIL ESTABLISHED DIRECT BGQ VORTAC

- UPDATED TAKEOFF OBSTACLE NOTES.

- UPDATED CONTROLLING OBSTACLES.

- REFERENCE MAGVAR CHANGED FROM 20E/10 TO 16E/20. - AIRPORT MAGVAR UPDATE.

- UPDATED 8260-15C TO REFLECT DP ROUTE DESCRIPTION AND TAKEOFF MINIMUMS.

QUALITY
3
CHECKED

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)**

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
PALMER							FIVE	PALMR5.BGQ	FOUR	12/07/2017	8 NOVEMBER 2018
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
RW16 (AER)*	613609.43N/1490514.97W*	N							*DISPL THLD (500 FT)		
750 MSL				VA	179.83				CG 319FT PER NM TO 1100		
BGQ VORTAC	613410.04N/1495801.72W	Y	FB	DF			AT/ABOVE 4000		RIGHT TURN		
RW28 (AER)	613527.87N/1490453.66W	N									
750 MSL				VA	293.31				CG 209FT PER NM TO 750		
BGQ VORTAC	613410.04N/1495801.72W	Y	FB	DF			AT/ABOVE 4000		LEFT TURN		
RW34 (AER)	613515.22N/1490514.63W	N									
750 MSL				VA	359.83				CG 432FT PER NM TO 900		
BGQ VORTAC	613410.04N/1495801.72W	Y	FB	DF			AT/ABOVE 4000		LEFT TURN		

QUALITY
3
CHECKED