

**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION**  
**GRAPHIC DEPARTURE PROCEDURE (DP)**

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation.  
 Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
<b>PUYVO</b>	<b>TWO</b>	<b>PUYVO2.PUYVO</b>	<b>ONE</b>	<b>20 SEP 12</b>	<b>10 DEC 2015</b>

**TYPE:** RNAV SID

**DP ROUTE DESCRIPTION:**

**TAKEOFF RWY 2L:** CLIMB HEADING 020.05 TO 1800, THEN LEFT TURN DIRECT JIPEN, THEN ON PUYVO TRANSITION.

**TAKEOFF RWY 20R:** CLIMB HEADING 200.08 TO 1800, THEN RIGHT TURN DIRECT JIPEN, THEN ON PUYVO TRANSITION.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
PUYVO	PUYVO2.PUYVO	JIPEN	HARRP	TRACK 195.55	28.12	3400		AT/ABOVE 10000
		HARRP	PUYVO	TRACK 195.44	18.57	10000	5400	

**PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:**

**NOTE:** GPS REQUIRED.

**NOTE:** RNAV-1.

**TAKEOFF MINIMUMS:**

**RWY 2L:** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 3100.

**RWY 20R:** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1800.

**TAKEOFF OBSTACLES NOTES:**

**NOTE: RWY 2L,** BUILDING 330 FT FROM DER, 251 FT LEFT OF CENTERLINE, 13 FT AGL/448 FT MSL. TREES BEGINNING 2256 FT FROM DER, 937 FT RIGHT OF CENTERLINE, UP TO 84 FT AGL/517 FT MSL. POLE, TRANSMISSION LINE, CATENARY, AND TREES BEGINNING 1961 FT FROM DER, 666 FT LEFT OF CENTERLINE, UP TO 78 FT AGL/514 FT MSL.

**NOTE: RWY 20R,** BUILDING 7 FT FROM DER, 424 FT RIGHT OF CENTERLINE, 22 FT AGL/447 FT MSL. LIGHT AND NAVAID 10 FT FROM DER, 65 FT RIGHT OF CENTERLINE, 1 FT AGL/437 FT MSL. LIGHT 10 FT FROM DER, 64 FT LEFT OF CENTERLINE, 1 FT AGL/436 FT MSL. TREES BEGINNING 1093 FT FROM DER, 786 FT LEFT OF CENTERLINE, UP TO 54 FT AGL/483 FT MSL. TREES BEGINNING 1799 FT FROM DER, 714 FT RIGHT OF CENTERLINE, UP TO 66 FT AGL/492 FT MSL.

**CONTROLLING OBSTACLES:**

**RWY 2L** - 2473 FT MSL TOWER 645242.00N/1480144.00W (CLIMB TO ALTITUDE).

**RWY 20R** - 1742 FT MSL AAO 644759.65N/1480051.65W (CLIMB TO ALTITUDE).

**LOST COMMUNICATIONS PROCEDURES:**



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<b>PUYVO</b>	<b>TWO</b>	<b>PUYVO2.PUYVO</b>	<b>ONE</b>	<b>20 SEP 12</b>	<b>10 DEC 2015</b>

**ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: PAFA 18E EPOCH YR: 2020  
DME/DME ASSESSMENT: NOT CONDUCTED.

**CHART:** TOP ALTITUDE: ASSIGNED BY ATC.

**AIRPORTS SERVED:**

FAIRBANKS INTL

FAIRBANKS, AK

**COMMUNICATIONS:**

ATIS, CLNC DEL, GND CON, FAIRBANKS TWR, FAIRBANKS DEP CON

**FIXES AND/OR NAVAIDS:**



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**REMARKS:**

1. FAIRBANKS INTL MAGVAR 18E DERIVED FROM DEC 2016 EPOCH YEAR CAT II/III ILS TABLE.
2. TOD TEAM UNABLE TO IMPROVE ACCURACY CODE FOR RWY 2L CONTROLLING OBSTACLE (02-000186, 5F). REQUESTING 4D ACCURACY CHECK FROM FLIGHT INSPECTION.

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

ATA, ALPA, APA, AOPA, NBAA, ZAN, FAI DEP CON, FAI ATCT, AMGR

**CHANGES:**

1. AMENDED FAIRBANKS INTL MAGVAR FROM 21E TO 18E.
2. AMENDED RWY 2L TAKEOFF INSTRUCTIONS FROM CLIMB HEADING 017.05 TO AT OR ABOVE 1800... TO READ CLIMB HEADING 020.05 TO 1800...
3. AMENDED RWY 20R TAKEOFF INSTRUCTIONS FROM CLIMB HEADING 217.08 TO AT OR ABOVE 1400... TO READ CLIMB HEADING 220.08 TO 1800...
4. AMENDED RWY 2L TAKEOFF MINIMUMS FROM STANDARD WITH MINIMUM CLIMB OF 375 FT PER NM TO 3900 TO READ STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 3100.
5. AMENDED RWY 20R TAKEOFF MINIMUMS FROM STANDARD WITH MINIMUM CLIMB OF 300 FT PER NM TO 4200 TO READ STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1800.
6. DELETED TAKEOFF RWY 2R, 20L: NA-ATC.
7. UPDATED TAKEOFF OBSTACLE NOTES FOR RWY 2L AND 20R.
8. AMENDED JIPEN TO HAARP COURSE FROM 192.45 TO 195.55.
9. AMENDED HAARP TO PUYVO COURSE FROM 192.44 TO 195.44. ADDED MEA AND MOCA VALUES.
10. ADDED TOP ALTITUDE ASSIGNED BY ATC.

**REASONS:**

1. WESTERN FPT REQUEST.
2. COURSE COMPUTED FROM UPDATED MAGVAR. AT OR ABOVE WORDING NOT APPROPRIATE FOR VA LEGS. CLIMB TO ALTITUDE INCREASED FROM 1400 TO 1800 TO MITIGATE OBSTACLES.
3. COURSE COMPUTED FROM UPDATED MAGVAR. AT OR ABOVE WORDING NOT APPROPRIATE FOR VA LEGS. CLIMB TO ALTITUDE INCREASED FROM 1400 TO 1800 TO MITIGATE OBSTACLES.
4. PROCEDURE DESIGN REQUIRES 500 FT PER NM CLIMB GRADIENT TO 1800 FOR THE VA LEG. CLIMB GRADIENT CONTINUED TO 3100 TO MITIGATE OBSTACLES.
5. PROCEDURE DESIGN REQUIRES 500 FT PER NM CLIMB GRADIENT TO 1800 FOR THE VA LEG.
6. IAW CURRENT POLICY. RUNWAYS THAT ARE NOT AUTHORIZED ON SIDS DO NOT NEED TO BE DOCUMENTED.
7. NEW STUDY USING UPDATED AIRPORT OBSTACLE SURVEY.



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8. COMPUTED USING UPDATED AIRPORT MAGVAR.

9. COMPUTED USING UPDATED AIRPORT MAGVAR. MEA AND MOCA ADDED IAW CURRENT DOCUMENTATION POLICY.

10. ATC REQUEST.



## DEPARTURE (DATA RECORD)

DP Name		Number		DP Computer Code			Superseded Number		Dated	Effective Date
PUYVO		TWO		PUYVO2.PUYVO			ONE		20 SEP 12	10 DEC 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
<b>RW02L (AER)*</b>	644815.29N/1475258.51W*	N	-	-	-	-			*DISPL THLD (750 FT)	
1800 MSL	-	-	-	VA	038.05	-			CG 500 FT PER NM TO 3100	
JIPEN	644214.21N/1482046.57W	Y	FB	DF	-	-			LEFT TURN	
<b>RW20R (AER)*</b>	644935.10N/1475031.82W*	N	-	-	-	-			*DISPL THLD (750 FT)	
1800 MSL	-	-	-	VA	218.08	-			CG 500 FT PER NM TO 1800	
JIPEN	644214.21N/1482046.57W	Y	FB	DF	-	-			RIGHT TURN	
JIPEN	644214.21N/1482046.57W	Y	-	IF	-	-			PUYVO2.PUYVO	
HARRP	641848.37N/1485628.12W	Y	FB	TF	213.55	28.12	AT/ABOVE 10000			
PUYVO	640319.80N/1491945.00W	Y	FB	TF	213.44	18.57				

