

**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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
OFARO	ONE	OFARO1.OFARO	NONE		18 SEP 2014

**TYPE:** RNAV SID

**DP ROUTE DESCRIPTION:**

TAKEOFF RWY 12: CLIMB HEADING 116.02 TO 1750, THEN DIRECT TO JEXIT, THEN ON TRACK 120.04 TO OFARO. THENCE...

TAKEOFF RWY 30: CLIMB HEADING 296.03 TO 4500, THEN LEFT TURN DIRECT JEXIT, THEN ON TRACK 120.04 TO OFARO. THENCE...

...ON TRANSITION, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

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

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
EPHRATA	OFARO1.EPH	OFARO	KRIST	058.29	09.10	5200		
		KRIST	EPH VORTAC	058.27	16.14	5200		
QUINT	OFARO1.QUINT	OFARO	QUINT	112.70	06.51	4600		
ZAXUL	OFARO1.ZAXUL	OFARO	ZAXUL	166.69	07.16	5000		

**PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:**

RWY 12: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1750.

RWY 30: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 4500.

NOTE: RNAV 1. NOTE: GPS REQUIRED. NOTE: DEPARTURES MAY BE RESTRICTED TO CROSS KRIST AT OR ABOVE 7000.

**TAKEOFF OBSTACLES NOTES:**

NOTE: RWY 12: LT ON BLDG 135 FT FROM DER, 401 FT RIGHT OF CENTERLINE, 41 FT AGL/1237 FT MSL. AG EQUIP 435 FT FROM DER, 576 FT LEFT OF CENTERLINE, 64 FT AGL/1260 FT MSL. TREE 589 FT FROM DER, 227 FT LEFT OF CENTERLINE, 100 FT AGL/1251 FT MSL. MULTIPLE TREES BEGINNING 174 FT FROM DER, 484 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/2739 FT MSL.

NOTE: RWY 30: TERRAIN LEFT AND RIGHT OF CENTERLINE BEGINNING 65 FT FROM DER, UP TO 1972 FT MSL. TREE 1203 FT FROM DER, 594 FT LEFT OF CENTERLINE, 90 FT AGL/1276 FT MSL. MULTIPLE TREES BEGINNING 1376 FT FROM DER, 493 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1276 FT MSL. TREE 2392 FT FROM DER, 189 FT RIGHT OF CENTERLINE, 100 FT AGL/1286 FT MSL. MULTIPLE BUSH BEGINNING 1.8 NM FROM DER, 742 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1666 FT MSL. MULTIPLE POLES BEGINNING 1.8NM FROM DER, 49 FT RIGHT OF CENTERLINE, UP TO 453 FT AGL/1673 FT MSL. TRMSN TWR 1.9 NM FROM DER, 731 FT RIGHT OF CENTERLINE, 364 FT AGL/1585 FT MSL. MULTIPLE POLES BEGINNING 2.2 NM FROM DER, 279 FT LEFT OF CENTERLINE, UP TO 384 FT AGL/1604 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 30: 4799 FT MSL AAO, 471953.03N-1202329.56W

**LOST COMMUNICATIONS PROCEDURES:**

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OFARO	ONE	OFARO1.OFARO	NONE		18 SEP 2014

**ADDITIONAL FLIGHT DATA:**

REFERENCE MAGVAR KEAT19E EPOCH YR: 1995  
DME/DME ASSESSMENT: NOT CONDUCTED

**AIRPORTS SERVED:**

PANGBORN MEMORIAL AIRPORT

WANATCHEE, WA

**COMMUNICATIONS:**

EAT ASOS, UNICOM, ZSE

**FIXES AND/OR NAVAIDS:**

VOR/DME: EAT VOR/DME

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OFARO	ONE	OFARO1.OFARO	NONE		18 SEP 2014

**REMARKS:**

25 DEGREE BANK ANGLE UTILIZED.

**CHANGES:**

**REASONS:**

## DEPARTURE (DATA RECORD)

DP Name		Number	DP Computer Code		Superseded Number		Dated	Effective Date	
OFARO		ONE	OFARO1.OFARO		NONE			18 SEP 2014	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW12 (AER)	472411.61N/1201248.82W	Y	-	-	-				
1750 MSL		Y	-	VA	135.02				CG 500 FT/NM TO 1750
JEXIT	472041.74N/1200609.15W	Y	FB	DF	-				
OFARO	471710.15N/1200139.33W	Y	FB	TF	139.04	4.67			
RW 30 (AER)	472331.81N/1201150.26W	Y	-	-	-				
4500 MSL	-	Y	-	VA	315.03				CG 500 FT/NM TO 4500
JEXIT	472041.74N/1200609.15W	Y	FB	DF	-				LEFT TURN
OFARO	471710.15N/1200139.33W	Y	FB	TF	139.04	4.67			
OFARO	471710.15N/1200139.33W	Y	-	IF	-				OFARO1.EPH
KRIST	471909.51N/1194836.50W	Y	FB	TF	077.29	9.10			
EPH VORTAC	472240.51N/1192526.41W	Y	FB	TF	077.27	16.14			
OFARO	471710.15N/1200139.33W	Y	-	IF	-				OFARO1.QUINT
QUINT	471250.29N/1195431.59W	Y	FB	TF	131.70	6.51			
OFARO	471710.15N/1200139.33W	Y	-	IF	-				
ZAXUL	471002.58N/1200241.75W	Y	FB	TF	185.69	7.16			

## DEPARTURE (DATA RECORD)

[illegible]

**DEPARTURE (DATA RECORD)**

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
OFARO	ONE	OFARO1.OFARO	NONE		18 SEP 2014

SUSAP KEATK1GRW30 0057002960 N47233181W120115026-0200 +0355501231000060150R

## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
OFARO	ONE	OFARO1.OFARO	NONE		18 SEP 2014

## ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	RW12		010		VA		FB		116.0()		AA 01750	
	RW12	JEXIT	020		DF		FB	1.0				
	RW12	OFARO	030		TF		FB	1.0				
	RW30		010		VA		FB		296.0()		AA 04500	
	RW30	JEXIT	020		DF	L	FB	1.0				
	RW30	OFARO	030		TF		FB	1.0				
	EPH	OFARO	010		IF		FB					
	EPH	KRIST	020		TF		FB	1.0				
	EPH	EPH	030		TF		FB	1.0				
	QUINT	OFARO	010		IF		FB					
	QUINT	QUINT	020		TF		FB	1.0				
	ZAXUL	OFARO	010		IF		FB					
	ZAXUL	ZAXUL	020		TF		FB	1.0				

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EPH	N472240.51	W1192526.41	N4722.675	W11925.440
	QUINT	N471250.29	W1195431.59	N4712.838	W11954.527
	ZAXUL	N471002.58	W1200241.75	N4710.043	W12002.696
	JEXIT	N472041.74	W1200609.15	N4720.696	W12006.153
	KRIST	N471909.51	W1194836.50	N4719.159	W11948.608
	OFARO	N471710.15	W1200139.33	N4717.169	W12001.656
	RW12	N472411.61	W1201248.82	N4724.194	W12012.814
	RW30	N472331.81	W1201150.26	N4723.530	W12011.838

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW12	01221	46
RW30	01231	60