

**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SUPERSEDED NUMBER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>
SKOWL						TWO	SKOWL2.DOOZI	ONE	05/07/2009	19 JULY 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 type="checkbox"/>					

**DP ROUTE DESCRIPTION:**

**TAKEOFF RWY 29:** CLIMB TO ASSIGNED ALTITUDE ON I-ECH LOCALIZER NW COURSE (295) TO INTERCEPT/JOIN ANN VOR/DME R-309/V317 TO DOOZI/40 DME BEFORE PROCEEDING ON COURSE.

**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>

**PROCEDURAL DATA NOTES:**

NOTE: DME REQUIRED.

**TAKEOFF MINIMUMS:**

**RWY 11:** NA - ATC.

**RWY 29:** 800-3 WITH A MINIMUM CLIMB OF 275 FT PER NM TO 5300 OR STANDARD WITH A MINIMUM CLIMB OF 410 FT PER NM TO 3000.

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**TAKEOFF OBSTACLES NOTES:**

**NOTE: RWY 29:** TREES BEGINNING 428 FT FROM DER, 549 FT LEFT OF CENTERLINE, UP TO 121 FT MSL.

TREES BEGINNING 671 FT FROM DER, 572 FT LEFT OF CENTERLINE, UP TO 135 FT MSL.

TREE 2370 FT FROM DER, 1093 FT LEFT OF CENTERLINE, 147 FT MSL.

TREE 2728 FT FROM DER, 989 FT LEFT OF CENTERLINE, 154 FT MSL.

TREES BEGINNING 2787 FT FROM DER, 1089 FT LEFT OF CENTERLINE, UP TO 164 FT MSL.

TREE 3059 FT FROM DER, 1264 FT LEFT OF CENTERLINE, 188 FT MSL.

TREES BEGINNING 3195 FT FROM DER, 971 FT LEFT OF CENTERLINE, UP TO 194 FT MSL.

TREES BEGINNING 3558 FT FROM DER, 1125 FT LEFT OF CENTERLINE, UP TO 220 FT MSL.

TREES BEGINNING 3658 FT FROM DER, 1243 FT LEFT OF CENTERLINE, UP TO 234 FT MSL.

TREES BEGINNING 3754 FT FROM DER, 840 FT LEFT OF CENTERLINE, UP TO 238 FT MSL.

TREES BEGINNING 5550 FT FROM DER, 1591 FT LEFT OF CENTERLINE, UP TO 250 FT MSL.

TREE 6050 FT FROM DER, 1934 FT LEFT OF CENTERLINE, 252 FT MSL.

TREES BEGINNING 6070 FT FROM DER, 1883 FT LEFT OF CENTERLINE, UP TO 284 FT MSL.

TREE 1.9 NM FROM DER, 3275 FT LEFT OF CENTERLINE, 390 FT MSL.

TREE 2 NM FROM DER, 3284 FT LEFT OF CENTERLINE, 415 FT MSL.

TREE 2 NM FROM DER, 3381 FT LEFT OF CENTERLINE, 462 FT MSL.

TREE 2.2 NM FROM DER, 4085 FT LEFT OF CENTERLINE, 100 FT AGL/576 FT MSL.

TREES BEGINNING 2.2 NM FROM DER, 2371 FT LEFT OF CENTERLINE, UP TO 607 FT MSL.

TREES BEGINNING 2.3 NM FROM DER, 3644 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/622 FT MSL.

TREES BEGINNING 2.3 NM FROM DER, 2461 FT LEFT OF CENTERLINE, UP TO 640 FT MSL.

TREES BEGINNING 2.3 NM FROM DER, 2432 FT LEFT OF CENTERLINE, UP TO 647 FT MSL.

TREE 2.3 NM FROM DER, 4153 FT LEFT OF CENTERLINE, 100 FT AGL/658 FT MSL.

TREES BEGINNING 2.3 NM FROM DER, 2171 FT LEFT OF CENTERLINE, UP TO 783 FT MSL.

TREES BEGINNING 2.4 NM FROM DER, 2456 FT LEFT OF CENTERLINE, UP TO 866 FT MSL.

**CONTROLLING OBSTACLES:**

**RWY 29:** 866 FT MSL TREE 552255.41N/1314721.94W (CEILING AND VISIBILITY) (410 FPNM CG/1200 CLIMB-TO ALTITUDE).

3218 FT MSL AAO 553505.29N/1320738.17W (215 FPNM CG/4300 CLIMB-TO ALTITUDE).

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT:

2207 FT MSL TERRAIN 552043.65N/1314540.63W.

**LOST COMMUNICATIONS PROCEDURES:**



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**ADDITIONAL FLIGHT DATA:**  
REFERENCE MAG VAR: PAKT 21E EPOCH YR: 2010

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
KETCHIKAN INTL (PAKT)	KETCHIKAN	AK

**COMMUNICATIONS:**

ZAN, KTN FSS, CTAF

**FIXES AND/OR NAVAIDS:**

**REMARKS:**

WAIVERS ON FILE FOR LACK OF A VCOA AND FOR USE OF I-ECH LOCALIZER COURSE GUIDANCE BEYOND 15 NM.  
866 FT MSL TREE 552255.41N/1314721.94W JUST OUTSIDE LOC OEA USED AS CONTROLLING OBS AS IT IS INSIDE SEE AND AVOID AREA.  
PREVIOUSLY DOCUMENTED ANN VOR/DME RECEPTION ISSUES ENROUTE TO V317 ARE THE REASON FOR THE 275 CG TO 5300 AND THE 410 CG TO 3000. OBSTACLE CLEARANCE ONLY REQUIRES A 215 CG TO 4300 OR A 410 CG TO 1200 RESPECTIVELY.

<b><u>FLIGHT INSPECTED BY:</u></b>	<i>Digitally signed by</i> <b>ADOLFO D URRUTIA</b>	<b><u>OFFICE SYMBOL:</u></b>	<b><u>DATE:</u></b>
THOMAS CONKLIN	May 21, 2018	FICO	5/17/18

<b><u>DEVELOPED BY:</u></b>	<i>Digitally signed by</i> <b>IVAN BLANCO</b>	<b><u>OFFICE SYMBOL:</u></b>	<b><u>DATE:</u></b>
IVAN BLANCO	Mar 21, 2018	AJV-5432	03/20/2018

<b><u>APPROVED BY:</u></b>	<i>Digitally signed by</i> <b>ADOLFO D URRUTIA</b>	<b><u>OFFICE SYMBOL:</u></b>	<b><u>DATE:</u></b>
PATRICK MULQUEEN	May 21, 2018	AJV-5430	

**REQUIRED EFFECTIVE DATE:**  
ROUTINE

**COORDINATED WITH:**

<b>A4A</b>	<b>ALPA</b>	<b>AOPA</b>	<b>APA</b>	<b>HAI</b>	<b>NBAA</b>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**OTHER:**

ZAN ARTCC, KTN ATCT, KTN FSS, AMGR.

**CHANGES - REASONS:**

1. CHANGED TAKEOFF MINIMUMS FROM 400- 1 1/4 WITH MINIMUM CLIMB OF 380 FT PER NM TO 5300 TO 800- 3 WITH A MINIMUM CLIMB OF 275 FT PER NM TO 5300 OR STANDARD WITH MINIMUM CLIMB OF 410 FT PER NM TO 3000. - NEW OBSTACLE EVALUATION BASED ON NEW VG SURVEY 05/11/2012.



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2. ADDED OBSTACLE MANDATING ODP ROUTE DEVELOPMENT. - REQUIRED BY CURRENT DOCUMENTATION CRITERIA.

