

**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SUPERSEDED NUMBER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>
BORLAND	TWO	HBT2.HBT	ONE	05/02/2013	13 SEPTEMBER 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 14: CLIMB ON HEADING 137.60 TO INTERCEPT BEARING 139 FROM HBT NDB TO 2400 THEN CLIMBING LEFT TURN DIRECT HBT NDB, THENCE...

TAKEOFF RWY 32: CLIMB ON HEADING 317.60 TO INTERCEPT BEARING 316 FROM HBT NDB TO 2400 THEN CLIMBING RIGHT TURN DIRECT HBT NDB, OR FOR VCOA, CROSS SAND POINT AIRPORT AT OR ABOVE 2500, THENCE...

VCOA RWY 32: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS SAND POINT AIRPORT AT ABOVE 2500 THEN CLIMB DIRECT HBT NDB, THENCE...

...CONTINUE CLIMB IN HBT NDB HOLDING PATTERN (HOLD S, RT, 344.00 INBOUND) TO 10,000 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>
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**PROCEDURAL DATA NOTES:**

NOTE: ADF REQUIRED.

**TAKEOFF MINIMUMS:**

RWY 14, STANDARD.

RWY 32, STANDARD WITH MINIMUM CLIMB OF 350 FT PER NM TO 1200, OR 2600-3 FOR VCOA.

**TAKEOFF OBSTACLES NOTES:**

NOTE: RWY 32, SHIPS BEGINNING 1493 FT FROM DER, CROSSING EXTENDED RUNWAY CENTERLINE, 100 FT MSL.

VEGETATION BEGINNING 1.4 NM FROM DER, 392 FT RIGHT OF CENTERLINE, UP TO 6 FT AGL/256 FT MSL.

VEGETATION, TERRAIN BEGINNING 1.5 NM FROM DER, 534 FT RIGHT OF CENTERLINE, UP TO 296 FT MSL.

VEGETATION BEGINNING 1.6 NM FROM DER, 995 FT RIGHT OF CENTERLINE, UP TO 7 FT AGL/315 FT MSL.

TERRAIN, VEGETATION BEGINNING 1.7 NM FROM DER, ON AND LEFT OF CENTERLINE, UP TO 410 FT MSL.

VEGETATION BEGINNING 1.7 NM FROM DER, 1493 FT RIGHT OF CENTERLINE, UP TO 6 FT AGL/351 FT MSL.

VEGETATION BEGINNING 1.9 NM FROM DER, 161 FT RIGHT OF CENTERLINE, UP TO 7 FT AGL/401 FT MSL.

TERRAIN, VEGETATION BEGINNING 2 NM FROM DER, 326 FT RIGHT OF CENTERLINE, UP TO 456 FT MSL.

VEGETATION 2.1 NM FROM DER, 2753 FT RIGHT OF CENTERLINE, 5 FT AGL/478 FT MSL.

TERRAIN, VEGETATION BEGINNING 2.2 NM FROM DER, 388 FT RIGHT OF CENTERLINE, UP TO 619 FT MSL.

TERRAIN 2.5 NM FROM DER, 1994 FT RIGHT OF CENTERLINE, 472 FT MSL.



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**CONTROLLING OBSTACLES:**

RWY 32: 619 FT MSL TREE 552127.00N/1603242.50W (CLIMB GRADIENT), 2200 FT MSL AAO 553019.00/1604252.00W (CLIMB-TO ALTITUDE).  
RWY 32 (VCOA): 1999 FT MSL AAO 551650.94N/1603652.70W (VCA), 2215 FT MSL AAO 551712.88N/1603745.15W (VCOA DIVERSE).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 14: 2199 FT MSL AAO 551500.79N/1603654.93W, RWY 32: 2215 FT MSL AAO 551712.88N/1603745.15W.

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

REFERENCE MAGVAR: PASD, HBT NDB, 11E, EPOCH YEAR 2020  
CHART: HOLDING PATTERN AT HBT NDB, HOLD S, RT, 344.00 INBOUND.

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
SAND POINT	SAND POINT	AK

**COMMUNICATIONS:**

CBD FSS, ZAN, CTAF

**FIXES AND/OR NAVAIDS:**



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**REMARKS:**  
SHIP HEIGHT 100 FT PER PREVIOUS PROCEDURE.  
VEGETATION HEIGHT 20 FT PER FPT CHECKLIST.

**FLIGHT INSPECTED BY:** *Digitally signed by*  
KENNETH E JACK **ADOLFO D URRUTIA**  
May 07, 2018

**OFFICE SYMBOL:** FICO  
**DATE:** 5/1/18

**DEVELOPED BY:**  
HERMAN ROGERS

HERMAN CLAUDE ROGERS *Digitally signed by HERMAN CLAUDE ROGERS  
Date: 2017.10.31 07:44:45 -05'00'*

**OFFICE SYMBOL:** AJV-5432  
**DATE:** 10/31/2017

**APPROVED BY:** *Digitally signed by*  
PATRICK MULQUEEN **ADOLFO D URRUTIA**  
May 07, 2018

**OFFICE SYMBOL:** AJV-5430  
**DATE:**

**REQUIRED EFFECTIVE DATE:**  
ROUTINE

**COORDINATED WITH:**

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<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, CDB FSS, ALASKA DOT, AMGR

**CHANGES - REASONS:**

1. CHANGED ALL HEADINGS, BEARINGS, AND THE HOLDING INBOUND COURSE +4 DEGREES-UPDATED PASD AIRPORT AND BORLAND NDB MAGVAR FROM 15E/2005 TO 11E/2020.
2. CHANGED RUNWAY NUMBERS FROM 13/31 TO 14/32-RUNWAY NUMBERS CHANGED WITH MAGVAR UPDATE.
3. REMOVED VCOA INSTRUCTIONS FROM RWY 14/32 DP ROUTE DESCRIPTION AND ADDED THE LINE, "VCOA RWY 32: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS SAND POINT AIRPORT AT ABOVE 2500 FT THEN CLIMB DIRECT HBT NDB, THENCE..." TO THE DP ROUTE DESCRIPTION-CURRENT FORMAT PER THE 8260.19H.
4. CHANGED RUNWAY 32 TAKEOFF MINIMUMS FROM "STANDARD WITH MINIMUM CLIMB OF 420 FT PER NM TO 800 OR 2600-3 FOR CLIMB IN VISUAL CONDITIONS" TO "STANDARD WITH MINIMUM CLIMB OF 350 FT PER NM TO 1200, OR 2600-3 FOR VCOA-NEW SURVEY DATA, REMOVED TREES PLACED IN SURVEY AREA AND PLACED 200 FT AAO ON HIGH TERRAIN OUTSIDE OF ICA (2200 FT MSL AAO).
5. REMOVED THE SENTENCE, "WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE" FROM TAKEOFF MINIMUMS-THIS STATEMENT WAS ADDED TO THE DP ROUTE DESCRIPTION PER CURRENT FORMAT.
6. UPDATED TAKEOFF OBSTACLE NOTES AND CONTROLLING OBSTACLES- NEW VG SURVEY DATA.
7. REMOVED VCOA AND NOTES FROM RWY 14-NOT REQUIRED WITH STANDARD MINS PER FPT.