

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations 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.

| <u>CITY, STATE</u> | <u>AIRPORT</u> | <u>EFFECTIVE DATE</u> | <u>AMDT NO</u> |
|--------------------|----------------|-----------------------|----------------|
| BUCKLAND, AK | BUCKLAND | 19 JULY 2018 | 2 |

TAKEOFF MINIMUMS:

RWY 11, STANDARD WITH MINIMUM CLIMB OF 245 FT PER NM TO 900, OR 1800-2 1/2 FOR VCOA.
RWY 29, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 11: CLIMB ON A HEADING BETWEEN 320 CW 220 FROM DEPARTURE END OF RUNWAY TO 3000 BEFORE PROCEEDING ON COURSE.
RWY 29: CLIMB ON A HEADING BETWEEN 285 CW 105 FROM DEPARTURE END OF RUNWAY TO 3000 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS BUCKLAND AIRPORT AT OR ABOVE 1700 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 11, TREE 8 FT FROM DER, 183 FT LEFT OF CENTERLINE, 43 FT MSL. WIND INDICATOR 63 FT FROM DER, 313 FT LEFT OF CENTERLINE, 24 FT AGL/49 FT MSL. POLE 1142 FT FROM DER, 435 FT LEFT OF CENTERLINE, 33 FT AGL/62 FT MSL. POLE 1434 FT FROM DER, 150 FT RIGHT OF CENTERLINE, 48 FT AGL/69 FT MSL. TOWER 1494 FT FROM DER, 109 FT RIGHT OF CENTERLINE, 50 FT AGL/74 FT MSL. ANTENNA 1651 FT FROM DER, 269 FT LEFT OF CENTERLINE, 74 FT AGL/96 FT MSL. TOWERS BEGINNING 1656 FT FROM DER, 268 FT LEFT OF CENTERLINE, UP TO 71 FT AGL/97 FT MSL.

NOTE: RWY 29, LIGHTING 10 FT FROM DER, 58 FT RIGHT OF CENTERLINE, 2 FT AGL/28 FT MSL. LIGHTING 10 FT FROM DER, 56 FT LEFT OF CENTERLINE, 2 FT AGL/28 FT MSL.

CONTROLLING OBSTACLES:

RWY 11: 400 FT MSL AAO 655743.38N/1610409.45W (CLIMB GRADIENT), 1263 FT MSL AAO 655336.63N/1611604.75W (CLIMB-TO ALTITUDE).



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations 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.

| <u>CITY, STATE</u> | <u>AIRPORT</u> | <u>EFFECTIVE DATE</u> | <u>AMDT NO</u> |
|--------------------|----------------|-----------------------|----------------|
| BUCKLAND, AK | BUCKLAND | 19 JULY 2018 | 2 |

REMARKS:

TERRAIN ELEVATIONS VERIFIED ON QUAD.

| | | | |
|--------------------------------|--|-----------------------|--------------|
| FLIGHT INSPECTED BY: | <i>Digitally signed by</i> BEV L BORDY Oct 12, 2017 | OFFICE SYMBOL: | DATE: |
| BILL SETTLEMIRE | | FICO | 9/25/17 |
| DEVELOPED BY: | <i>Digitally signed by</i> BEV L BORDY Oct 12, 2017 | OFFICE SYMBOL: | DATE: |
| BEVERLY BORDY (JACOB MAXFIELD) | | AJV- 5433 | 07/14/2017 |
| APPROVED BY: | <i>Digitally signed by</i> BEV L BORDY Oct 12, 2017 | OFFICE SYMBOL: | DATE: |
| PATRICK MULQUEEN | | AJV-5430 | |

REQUIRED EFFECTIVE DATE:
ROUTINE

COORDINATED WITH:

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

OTHER:

ZAN, ANC FPO, AK DOT/PF

CHANGES - REASONS:

1. UPDATED MAG VAR FROM 15E/2010 TO 11E/2020.
2. CHANGED RWY 11 TAKEOFF MINIMUMS FROM "STANDARD WITH MINIMUM CLIMB OF 325 FT PER NM TO 1800, OR 1900-3 FOR CLIMB IN VISUAL CONDITIONS" TO "STANDARD WITH MINIMUM CLIMB OF 245 FT PER NM TO 900, OR 1700-2 1/2 FOR VCOA".
3. CHANGED RWY 11 TEXTUAL DEPARTURE PROCEDURE FROM "CLIMBING LEFT TURN TO 3000 HEADING 280, 314 BEARING FROM BVK NDB AND OTZ R-133 TO OTZ VOR/DME, BEFORE PROCEEDING ON COURSE, OR FOR CLIMB IN VISUAL CONDITIONS: CROSS BUCKLAND AIRPORT AT OR ABOVE 1,800 MSL BEFORE PROCEEDING ON COURSE" TO "CLIMB ON A HEADING BETWEEN 320 CW 220 FROM DEPARTURE END OF RUNWAY TO 3000 BEFORE PROCEEDING ON COURSE."
4. CHANGED RWY 29 TEXTUAL DEPARTURE PROCEDURE FROM "CLIMBING RIGHT TURN TO 3000 VIA BVK 314 BEARING AND OTZ R-133 TO OTZ VOR/DME, BEFORE PROCEEDING ON COURSE" TO "CLIMB ON A HEADING BETWEEN 285 CW 105 FROM DEPARTURE END OF RUNWAY TO 3000 BEFORE PROCEEDING ON COURSE."
5. TAKEOFF OBSTACLE NOTES UPDATED.
6. UPDATED RWY 11 CONTROLLING OBSTACLE FROM "1,765 MSL AAO 655845.70N/1612337.80W, 449 MSL AAO 655812.00N/1610348.00W, 1256 MSL AAO 660352.90N/1610044.50W" TO "400 FT MSL AAO 655743.38N/1610409.45W (CLIMB GRADIENT), 1263 FT MSL AAO 655336.63N/1611604.75W (CLIMB-TO ALTITUDE)."
7. DELETED RWY 29 CONTROLLING OBSTACLE 1,765 MSL AAO 655845.70N/1612337.80W.

1. MAG VAR OUT OF TOLERANCE.
2. NEW CONTROLLING OBSTACLE PICKED UP BY SECTORING DIVERSE DEPARTURE TO MITIGATE OLD CONTROLLING OBSTACLE.
- 3-4. FPT REQUESTED TO REMOVE DEPENDENCE ON BVK NDB AND USE DIVERSE DEPARTURE PROCEDURES AND VCOA, SECTORED TO AVOID HIGH TERRAIN.
5. BASED ON SURVEY DATED 7/24/2010.
6. ELIMINATED 1765 FT OBSTACLE BY SECTORING DIVERSE DEPARTURE AREA AND NEW OBSTACLE BASED ON AAO DERIVED FROM 63K MAP STUDY.
7. ELIMINATED 1765 FT OBSTACLE BY SECTORING DIVERSE DEPARTURE AREA, NO NEW CONTROLLING OBSTACLES.

QUALITY
3
CHECKED