

**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>
NULATO, AK	NULATO		1

TAKEOFF MINIMUMS:

RWY 3, 600-2 3/4 WITH MINIMUM CLIMB OF 245 FT PER NM TO 1200 OR 1200-2 1/2 FOR VCOA.

RWY 21, STANDARD

TEXTUAL DEPARTURE PROCEDURES:

RWY 3, CLIMB HEADING 029.00 TO 1600 BEFORE TURNING LEFT.

RWY 21, CLIMB HEADING 209.02 TO 1500 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS NULATO AIRPORT AT OR ABOVE 1500 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 3, TREES BEGINNING 16 FT FROM DER, 237 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/459 FT MSL.

TREES BEGINNING 18 FT FROM DER, 379 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/459 FT MSL.

TREES BEGINNING 738 FT FROM DER, 54 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/559 FT MSL.

TREES BEGINNING 1673 FT FROM DER, 179 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/559 FT MSL.

TREES BEGINNING 2402 FT FROM DER, 93 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/615 FT MSL.

TREES BEGINNING 4969 FT FROM DER, 293 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/659 FT MSL.

TREES BEGINNING 6071 FT FROM DER, 263 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/759 FT MSL.

TREES BEGINNING 1.2 NM FROM DER, 637 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/859 FT MSL.

TREES BEGINNING 1.4 NM FROM DER, 1026 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/959 FT MSL.

TREES BEGINNING 2 NM FROM DER, 785 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/959 FT MSL.

TREE 2.2 NM FROM DER, 4145 FT LEFT OF CENTERLINE, 60 FT AGL/859 FT MSL.

NOTE: RWY 21, TREES, BEGINNING 15 FT FROM DER, 118 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/459 FT MSL.

CONTROLLING OBSTACLES:

RWY 3: 959 MSL TREE 644642.25N/1580053.40W (CLIMB GRADIENT, CLIMB ALTITUDE).

OBSTACLE MANDATING RWY 3 ODP ROUTE DEVELOPMENT: 1299 MSL AAO 644737.72N/1580042.89W.

OBSTACLE MANDATING RWY 21 ODP ROUTE DEVELOPMENT: 1499 MSL AAO 644144.23N/1582138.27W.

RWY 3 (VCOA): 1850 MSL AAO 644721.65N/1581959.70W.

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<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
NULATO, AK	NULATO		1

REMARKS:

<u>FLIGHT INSPECTED BY:</u>	<u>OFFICE SYMBOL:</u>	<u>DATE:</u>
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<u>DEVELOPED BY:</u>	<u>OFFICE SYMBOL:</u>	<u>DATE:</u>
MIKE MELSSEN	AJV-5413	

<u>APPROVED BY:</u>	<u>OFFICE SYMBOL:</u>	<u>DATE:</u>
LONNIE EVERHART	AJV-5430	

REQUIRED EFFECTIVE DATE:
CONCURRENT

COORDINATED WITH:

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

OTHER:
WFPT, ZAN, APT MGR, ALASKA DIVISION OF STATEWIDE AVIATION

CHANGES - REASONS:

1. CHANGED AIRPORT MAG/VAR AND UPDATED RUNWAY NUMBERS FROM 2/20 TO 3/21. MAG/VAR UPDATED FROM 18E TO 13E.
2. CHANGED FROM RWY 2 TAKEOFF MINIMUMS FROM: "700-2 3/4 W/MIN. CLIMB OF 356 FEET PER NM TO 1300 OR 1000-3 FOR CLIMB IN VISUAL CONDITIONS" TO "RWY 3, 600-2 3/4 WITH MINIMUM CLIMB OF 245 FT PER NM TO 1200 OR 1200-2 1/2 FOR VCOA". NEW OBSTACLE EVALUATION DEMONSTRATED LOWER CLIMB GRADIENT CAN CLEAR OBSTACLES.
3. CHANGED FROM "RWY 2 DEPARTURE PROCEDURE, CLIMB VIA HEADING 024 TO 1300 BEFORE PROCEEDING ON COURSE OR CLIMB IN VISUAL CONDITIONS TO CROSS NULATO AIRPORT AT OR ABOVE 1300 BEFORE PROCEEDING ON COURSE" TO: RWY 3, CLIMB HEADING 029.00 TO 1600 BEFORE TURNING LEFT. NEW OBSTACLE EVALUATION MANDATED AN UPDATED ROUTING.
4. CHANGED FROM "RWY 20, CLIMB VIA HEADING 204 TO 1500 BEFORE PROCEEDING ON COURSE" TO: RWY 21, CLIMB HEADING 209.02 TO 1500 BEFORE PROCEEDING ON COURSE. UPDATED DUE TO MAG/VAR UPDATE.
5. UPDATED VCOA TO: "OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS NULATO AIRPORT AT OR ABOVE 1500 BEFORE PROCEEDING ON COURSE". UPDATED REQUIREMENT PER 8260.46F.
6. UPDATED TAKEOFF OBSTACLE NOTES. NEW OBSTACLES EVALUATION.