

**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>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
AKH	GASTONIA	NC	7	

TAKEOFF MINIMUMS:

RWY 3, 21: STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 3: CLIMB ON A HEADING BETWEEN 025 CW TO 210 FROM DEPARTURE END OF RUNWAY.
RWY 21: CLIMB ON A HEADING BETWEEN 035 CW TO 335 FROM DEPARTURE END OF RUNWAY.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

RWY 3: TREES BEGINNING 13 FT FROM DER, 253 FT RIGHT OF CENTERLINE, UP TO 113 FT AGL/837 FT MSL.
TREE 43 FT FROM DER, 382 FT LEFT OF CENTERLINE, 71 FT AGL/791 FT MSL.
TREES BEGINNING 158 FT FROM DER, 234 FT LEFT OF CENTERLINE, UP TO 85 FT AGL/810 FT MSL.
TREES BEGINNING 171 FT FROM DER, 376 FT RIGHT OF CENTERLINE, UP TO 116 FT AGL/842 FT MSL.
TREES BEGINNING 396 FT FROM DER, 240 FT RIGHT OF CENTERLINE, UP TO 114 FT AGL/852 FT MSL.
TREE 1045 FT FROM DER, 733 FT LEFT OF CENTERLINE, 85 FT AGL/834 FT MSL.
TREES BEGINNING 1204 FT FROM DER, 603 FT LEFT OF CENTERLINE, UP TO 841 FT MSL.
TREES BEGINNING 1508 FT FROM DER, 594 FT LEFT OF CENTERLINE, UP TO 102 FT AGL/859 FT MSL.
TREES BEGINNING 1754 FT FROM DER, 430 FT LEFT OF CENTERLINE, UP TO 96 FT AGL/863 FT MSL.
TREES BEGINNING 2016 FT FROM DER, 771 FT LEFT OF CENTERLINE, UP TO 92 FT AGL/867 FT MSL.
TREES BEGINNING 2108 FT FROM DER, 390 FT LEFT OF CENTERLINE, UP TO 98 FT AGL/876 FT MSL.
TREES BEGINNING 2647 FT FROM DER, 173 FT LEFT OF CENTERLINE, UP TO 137 FT AGL/891 FT MSL.
TREE 2764 FT FROM DER, 967 FT RIGHT OF CENTERLINE, 111 FT AGL/857 FT MSL.
TREES BEGINNING 2804 FT FROM DER, 249 FT RIGHT OF CENTERLINE, UP TO 117 FT AGL/865 FT MSL.
TREES BEGINNING 2961 FT FROM DER, 1134 FT RIGHT OF CENTERLINE, UP TO 134 FT AGL/866 FT MSL.
TREE 3070 FT FROM DER, 1212 FT RIGHT OF CENTERLINE, 138 FT AGL/874 FT MSL.
TREES BEGINNING 3643 FT FROM DER, 356 FT RIGHT OF CENTERLINE, UP TO 136 FT AGL/879 FT MSL.
TREES BEGINNING 3739 FT FROM DER, 441 FT RIGHT OF CENTERLINE, UP TO 139 FT AGL/882 FT MSL.
TREE 3819 FT FROM DER, 657 FT RIGHT OF CENTERLINE, 885 FT MSL.

RWY 21: POLE 254 FT FROM DER, 336 FT RIGHT OF CENTERLINE, 20 FT AGL/810 FT MSL.
VEHICLES ON ROADS BEGINNING 286 FT FROM DER, 50 FT RIGHT OF CENTERLINE, UP TO 824 FT MSL.
POLE 288 FT FROM DER, 329 FT LEFT OF CENTERLINE, 18 FT AGL/808 FT MSL.
VEHICLES ON ROADS BEGINNING 289 FT FROM DER, 4 FT LEFT OF CENTERLINE, UP TO 819 FT MSL.
TREES, VEHICLES ON ROADS, UTILITY POLE BEGINNING 294 FT FROM DER, 190 FT LEFT OF CENTERLINE, UP TO 54 FT AGL/845 FT MSL.
TOWER, TREES BEGINNING 513 FT FROM DER, 166 FT LEFT OF CENTERLINE, UP TO 59 FT AGL/847 FT MSL.
TREES BEGINNING 580 FT FROM DER, 478 FT LEFT OF CENTERLINE, UP TO 856 FT MSL.
TREES BEGINNING 722 FT FROM DER, 23 FT LEFT OF CENTERLINE, UP TO 116 FT AGL/895 FT MSL.
VERTICAL STRUCTURE 773 FT FROM DER, 485 FT RIGHT OF CENTERLINE, 36 FT AGL/829 FT MSL.
TREES BEGINNING 1245 FT FROM DER, 156 FT RIGHT OF CENTERLINE, UP TO 878 FT MSL.
TREES BEGINNING 1846 FT FROM DER, 203 FT RIGHT OF CENTERLINE, UP TO 102 FT AGL/885 FT MSL.
TREES BEGINNING 2767 FT FROM DER, 36 FT RIGHT OF CENTERLINE, UP TO 119 FT AGL/895 FT MSL.
TREE 4101 FT FROM DER, 986 FT RIGHT OF CENTERLINE, 143 FT AGL/905 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 3, 21: 2754 FT MSL TOWER 352049.00N/0811014.00W.

REMARKS:

100 FT VEGETATION HEIGHT USED PER FPT.
ORDER 8260.3G, LEGACY ICA USED FOR DESIGN AND EVALUATION.

FLIGHT INSPECTED BY

OFFICE

DATE

DEVELOPED BY
JAMIE KUNKLER

OFFICE
AJV-A432

DATE
03/03/2026

APPROVED BY
CASIMIR L. TABAKA

OFFICE
AJV-A432

DATE
07/30/2026

TITLE
MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE



AIRPORT ID
AKH

CITY
GASTONIA

STATE
NC

AMDT NO
7

ACTUAL EFFECTIVE DATE

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA

OTHER: ZTL, CLT APP CON, AMGR

CHANGES - REASONS:

1. TEXTUAL DEPARTURE PROCEDURE RWY 3 CHANGED FROM "CLIMB HEADING 049.34 TO 2700 BEFORE TURNING LEFT" TO "CLIMB ON A HEADING BETWEEN 025 CW TO 210 FROM DEPARTURE END OF RUNWAY" - DESIGN CHANGE PER FPT/ATC.
2. TEXTUAL DEPARTURE PROCEDURE RWY 21 CHANGED FROM "CLIMB HEADING 214.33 TO 1600 BEFORE PROCEEDING NORTH" TO "CLIMB ON A HEADING BETWEEN 035 CW TO 335 FROM DEPARTURE END OF RUNWAY" - DESIGN CHANGE PER FPT/ATC.
3. UPDATED TAKEOFF OBSTACLE NOTES - NEW SURVEY 10/31/2019.
4. ADDED "100 FT VEGETATION HEIGHT USED PER FPT" TO REMARKS - FOR FUTURE SPECIALISTS REFERENCE.
5. ADDED ORDER 8260.3G, "LEGACY ICA USED FOR DESIGN AND EVALUATION" TO REMARKS - 8260.46K COMPLIANCE.

