

**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>
CUB	COLUMBIA	SC	4	

TAKEOFF MINIMUMS:

RWY 13: STANDARD.

RWY 31: 600-3 OR STANDARD WITH MINIMUM CLIMB OF 354 FT/NM TO 1000.

TEXTUAL DEPARTURE PROCEDURES:

RWY 13: CLIMB ON HEADING 131.42 TO 1500 BEFORE TURNING EASTBOUND.

RWY 31: CLIMB ON HEADING 311.42 TO 1500 BEFORE TURNING NORTHBOUND.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

RWY 13 LOW, CLOSE-IN OBSTACLES: OBSTACLES 35 FT AND BELOW. CROSSING DER 17 FT ABOVE DER ELEV CLEARS LOW, CLOSE-IN OBSTACLES.

RWY 31 LOW, CLOSE-IN OBSTACLES: TREES WITHIN 500 FT FROM DER EXTENDING TO 3/4 NM FROM DER, LEFT, RIGHT, AND CROSSING CENTERLINE, UP TO 343 FT MSL, 150 FT ABOVE DER. CROSSING DER 95 FT ABOVE DER ELEV CLEARS LOW, CLOSE-IN OBSTACLES.

RWY 31, TAKEOFF MINIMUMS OBSTACLES: TREES, POLES, TANK, TOWERS, BUILDINGS 1/2 NM FROM DER EXTENDING TO 2.4 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 746 FT MSL, 553 FT ABOVE DER.

CONTROLLING OBSTACLES:

RWY 31: 746 FT MSL TOWER 340008.00N/0810144.00W (CLIMB GRADIENT) (CLIMB GRADIENT TERMINATION ALTITUDE) (CEILING), 624 FT MSL BLDG_TWR 340017.00N/0810205.00W (VISIBILITY), 688 FT MSL TOWER 340019.10N/0810043.41W (CLIMB-TO ALTITUDE).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 31: 688 FT MSL TOWER 340019.10N/0810043.41W.

REMARKS:

100 FT VEGETATION HEIGHT USED.

AVOID NOISE SENSITIVE RESIDENTIAL AREA NORTH AND EAST OF AIRPORT BELOW 1500 FEET PER AIRPORT NOISE ABATEMENT AGREEMENT.

ORDER 8260.3G, ICA USED FOR DESIGN AND EVALUATION.

FLIGHT INSPECTED BY

Digitally signed by

OFFICE

DATE

MICHAEL C MCCURDY

ROBERT G HAMILTON

AJF

07/312026

Aug 03, 2026

DEVELOPED BY

ROBERT G HAMILTON (JILL M. SUPPES)

Digitally signed by

OFFICE

DATE

ROBERT G HAMILTON

AJV-A433

05/27/2026

APPROVED BY

Digitally signed by

Aug 03, 2026

OFFICE

DATE

TITLE

ROBERT G HAMILTON

ROBERT G HAMILTON

AJV-A433

09/24/2026

MANAGER

Aug 03, 2026

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒

OTHER: ZJX, CAE APP CON, AMGR

CHANGES - REASONS:

1. TAKEOFF MINIMUMS: UPDATED RWY 31 FROM "600-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 345 FT PER NM TO 1000" TO "600-3 OR STANDARD WITH MINIMUM CLIMB OF 354 FT/NM TO 1000" - NEW ICA IMPLEMENTED, NEW VISIBILITY CONTROLLING OBSTACLE AND UPDATED CG/CGTA/CEILING OBSTACLE SURVEY HEIGHT, AND CANCELS FDC NOTAM 6/0119.

2. TEXTUAL DEPARTURE PROCEDURES: ADDED "RWY 13: CLIMB ON HEADING 131.42 TO 1500 BEFORE TURNING EASTBOUND" - TO ALIGN WITH CURRENT NOISE ABATEMENT PROCEDURES PER FPT.

3. TAKEOFF OBSTACLE NOTES: UPDATED NOTES IAW 8260.46K APPENDIX D PARA 2.H AND NEW ICA INTEGRATION.

4. CONTROLLING OBSTACLES: UPDATED FROM "RWY 31: 747 MSL TOWER 340008.00N/0810144W)" TO "RWY 31: 746 FT MSL TOWER 340008.00N/0810144.00W (CLIMB GRADIENT) (CLIMB GRADIENT TERMINATION ALTITUDE) (CEILING), 624 FT MSL BLDG_TWR 340017.00N/0810205.00W (VISIBILITY), 688 FT MSL TOWER 340019.10N/0810043.41W (CLIMB-TO ALTITUDE).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 31: 688 FT MSL TOWER 340019.10N/0810043.41W" - NEW ICA IMPLEMENTED/OBSTACLE EVALUATION COMPLETED.

5. REMARKS: ADDED "100 FT VEGETATION HEIGHT USED", "AVOID NOISE SENSITIVE RESIDENTIAL AREA NORTH AND EAST OF AIRPORT BELOW 1500 FEET PER AIRPORT NOISE ABATEMENT AGREEMENT", "AND "ORDER 8260.46K, ICA USED FOR DESIGN AND EVALUATION - FOR FUTURE SPECIALIST INFO AND IAW 8260.46G PARA 2-1-1.I.

QUALITY
42
CHECKED