

**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.

CITY, STATE	AIRPORT	EFFECTIVE DATE	AMDT NO
ASHLAND, KY	ASHLAND RGNL	10 OCTOBER 2019	6

TAKEOFF MINIMUMS:

RWY 28: STANDARD.

RWY 10: 500-2 3/4 WITH MINIMUM CLIMB OF 240 FEET PER NM TO 1200 OR STANDARD WITH MINIMUM CLIMB OF 395 FT PER NM TO 1100 OR 1200-3 FOR VCOA.

TEXTUAL DEPARTURE PROCEDURES:

RWY 10: CLIMB HEADING 103.17 TO 1500 BEFORE PROCEEDING ON COURSE.

RWY 28: CLIMB HEADING 283.18 TO 1300 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

RWY 10: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS ASHLAND RGNL AIRPORT AT OR ABOVE 1600 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 10: VEHICLES ON ROAD 4 FT FROM DER, 134 FT RIGHT OF CENTERLINE, 552 FT MSL.
TREE 169 FT FROM DER, 215 FT RIGHT OF CENTERLINE, 58 FT AGL/575 FT MSL.
TREES BEGINNING 233 FT FROM DER, 65 FT LEFT OF CENTERLINE, UP TO 41 FT AGL/569 FT MSL.
TREE, BUILDING, VEHICLES ON ROAD BEGINNING 366 FT FROM DER, 450 FT RIGHT OF CENTERLINE, UP TO 70 FT AGL/605 FT MSL.
TREES, BUILDINGS, ELECTRICAL SYSTEM, TRANSMISSION LINE, POLES BEGINNING 479 FT FROM DER, 155 FT RIGHT OF CENTERLINE, UP TO 74 FT AGL/608 FT MSL.
TREE 870 FT FROM DER, 95 FT LEFT OF CENTERLINE, 51 FT AGL/573 FT MSL.
TREES, POLES, ELECTRICAL SYSTEMS, TRANSMISSION LINES BEGINNING 925 FT FROM DER, 44 FT RIGHT OF CENTERLINE, UP TO 622 FT MSL.
TREES BEGINNING 1750 FT FROM DER, 500 FT RIGHT OF CENTERLINE, UP TO 86 FT AGL/628 FT MSL.
TREES BEGINNING 2568 FT FROM DER, 991 FT LEFT OF CENTERLINE, UP TO 106 FT AGL/635 FT MSL.
TREE 3316 FT FROM DER, 1345 FT LEFT OF CENTERLINE, 106 FT AGL/647 FT MSL.
TREE, ELECTRICAL SYSTEMS BEGINNING 1.1 NM FROM DER, 1621 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/867 FT MSL.
TREE, ELECTRICAL SYSTEM BEGINNING 1.3 NM FROM DER, 1370 FT LEFT OF CENTERLINE, UP TO 73 FT AGL/935 FT MSL.
TREE, ELECTRICAL SYSTEM BEGINNING 1.3 NM FROM DER, 358 FT LEFT OF CENTERLINE, UP TO 78 FT AGL/954 FT MSL.
TOWER 2.3 NM FROM DER, 16 FT RIGHT OF CENTERLINE, 121 FT AGL/984 FT MSL.
ANTENNA, TREES BEGINNING 2.3 NM FROM DER, 19 FT RIGHT OF CENTERLINE, UP TO 150 FT AGL/1011 FT MSL.
TOWER 2.3 NM FROM DER, 263 FT RIGHT OF CENTERLINE, 199 FT AGL/1024 FT MSL.
ANTENNA 2.3 NM FROM DER, 263 FT RIGHT OF CENTERLINE, 196 FT AGL/1026 FT MSL.

NOTE: RWY 28: TREES BEGINNING 80 FT FROM DER, 194 FT LEFT OF CENTERLINE, UP TO 81 FT AGL/606 FT MSL.
TREE 387 FT FROM DER, 134 FT RIGHT OF CENTERLINE, 37 FT AGL/558 FT MSL.
TREES BEGINNING 954 FT FROM DER, 215 FT LEFT OF CENTERLINE, UP TO 621 FT MSL.
TREES BEGINNING 976 FT FROM DER, 3 FT LEFT OF CENTERLINE, UP TO 115 FT AGL/633 FT MSL.
TREES BEGINNING 1224 FT FROM DER, 24 FT RIGHT OF CENTERLINE, UP TO 585 FT MSL.
TREE 1364 FT FROM DER, 73 FT RIGHT OF CENTERLINE, 61 FT AGL/588 FT MSL.
TREES BEGINNING 1387 FT FROM DER, 26 FT RIGHT OF CENTERLINE, UP TO 69 FT AGL/591 FT MSL.
TREES BEGINNING 1421 FT FROM DER, 69 FT RIGHT OF CENTERLINE, UP TO 69 FT AGL/597 FT MSL.
TREES BEGINNING 1823 FT FROM DER, 18 FT RIGHT OF CENTERLINE, UP TO 69 FT AGL/601 FT MSL.
TREE 2192 FT FROM DER, 24 FT RIGHT OF CENTERLINE, 82 FT AGL/602 FT MSL.

CONTROLLING OBSTACLES:

RWY 10: 954 FT MSL TREE 383324.12N/0824153.62W (395 FT PER NM CLIMB GRADIENT/1100 CLIMB TO ALTITUDE), 1035 FT MSL ANTENNA 383209.52N/0824022.48W (240 FT PER NM CLIMB GRADIENT/1200 CLIMB TO ALTITUDE), 1026 FT MSL ANTENNA 383249.87N/0824047.16W (CEILING/ VISIBILITY).

VISUAL CLIMB AREA: 1035 FT MSL ANTENNA 383209.52N/0824022.48W. **OBSTACLE OUTSIDE OF VISUAL CLIMB AREA MANDATING VCOA CLIMB TO ALTITUDE:** 1285 FT MSL TOWER 383123.00N/0823920.00W

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 10: 877 FT MSL TREE 383328.54N/0824223.84W. **RWY 28:** 1029 FT MSL TRANSMISSION LINE 383432.00N/0824621.00W



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REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED IN THE VCOA.

FLIGHT INSPECTED BY:	<i>Digitally signed by</i> DONALD H LANIER Aug 27, 2019	OFFICE SYMBOL:	DATE:
JOHN D JEFFERS		FICO	8/6/19
DEVELOPED BY:	<i>Digitally signed by</i> DONALD H LANIER Aug 27, 2019	OFFICE SYMBOL:	DATE:
ANDREW HENNING (THERON CYRUS)		AJV-A432	05/01/2019
APPROVED BY:	<i>Digitally signed by</i> DONALD H LANIER Aug 27, 2019	OFFICE SYMBOL:	DATE:
LONNIE EVERHART		AJV-A430	

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:

ZID, HTS APP CON, AMGR

CHANGES - REASONS:

1. CHANGED RWY 10 TAKEOFF MINIMUMS FROM 600- 2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 430 FEET PER NM TO 1300 TO 500-2 3/4 WITH MINIMUM CLIMB OF 240 FEET PER NM TO 1200 OR STANDARD WITH MINIMUM CLIMB OF 395 FT PER NM TO 1100 OR 1200-3 FOR VCOA - NEW OBSTACLE EVALUATION/NEW VG SURVEY.
2. CHANGED RWY 10 TEXTUAL DEPARTURE FROM CLIMB HEADING 103.17 TO 1300 BEFORE PROCEEDING ON COURSE TO CLIMB HEADING 103.17 TO 1500 BEFORE PROCEEDING ON COURSE - NEW OBSTACLE EVALUATION/NEW VG SURVEY.
3. CHANGED RWY 28 TEXTUAL DEPARTURE FROM CLIMB HEADING 283.13 TO 1300 BEFORE TURNING RIGHT TO CLIMB HEADING 283.18 TO 1300 BEFORE PROCEEDING ON COURSE - TO MATCH RWY ALIGNMENT/NEW OBSTACLE EVALUATION.
4. UPDATED TAKEOFF OBSTACLE NOTES FOR ALL RWYS - NEW OBSTACLE EVALUATION.
5. UPDATED RWY 10/28 CONTROLLING/MANDATING ODP ROUTE OBSTACLES - NEW OBSTACLE EVALUATION.
6. ADDED RWY 10 VCOA - NEW OBSTACLE EVALUATION.

