

**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.

AIRPORT	AIRPORT ID	CITY	STATE	AMDT NO	ACTUAL EFFECTIVE DATE
LEBANON MUNI	KLEB	LEBANON	NH	3	17 JUNE 2021

TAKEOFF MINIMUMS:

RWY 36: STANDARD WITH MINIMUM CLIMB OF 365 FEET PER NM TO 1900, OR 2100 - 3 FOR VCOA.
RWY 18: 500-2 1/2 WITH MINIMUM CLIMB OF 380 FEET PER NM TO 3800, OR 2100-3 FOR VCOA.
RWY 7: 600-2 3/4 WITH MINIMUM CLIMB OF 385 FEET PER NM TO 3100, OR 2100-3 FOR VCOA.
RWY 25: 700-3 WITH MINIMUM CLIMB OF 380 FEET PER NM TO 3400, OR 2100 -3 FOR VCOA.

TEXTUAL DEPARTURE PROCEDURES:

RWY 36: CLIMB ON HEADING 003.98 TO 1900 BEFORE PROCEEDING ON COURSE.
RWY 18: CLIMB ON HEADING 183.97 TO 2100 BEFORE PROCEEDING ON COURSE.
RWY 7: CLIMB ON HEADING 075.30 TO 2100 BEFORE PROCEEDING ON COURSE.
RWY 25: CLIMB ON HEADING 255.32 TO 2100 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

ALL RUNWAYS, OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS LEBANON MUNI AIRPORT AT OR ABOVE 2600 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 36, LIGHTING 10 FT FROM DER, 100 FT LEFT OF CENTERLINE, 565 FT MSL. FENCE, POLE, TREE BEGINNING 81 FT FROM DER, 475 FT LEFT OF CENTERLINE, UP TO 569 FT MSL. TREE 358 FT FROM DER, 511 FT RIGHT OF CENTERLINE, 64 FT AGL/583 FT MSL.

NOTE: RWY 18, POLES BEGINNING 137 FT FROM DER, 506 FT LEFT OF CENTERLINE, UP TO 54 FT AGL/670 FT MSL. POLES, TERRAIN, VEGETATION, TREES BEGINNING 139 FT FROM DER, 472 FT RIGHT OF CENTERLINE, UP TO 48 FT AGL/676 FT MSL. TREES, POLES BEGINNING 762 FT FROM DER, 181 FT LEFT OF CENTERLINE, UP TO 733 FT MSL. TREES, POLES, TERRAIN BEGINNING 1133 FT FROM DER, 106 FT RIGHT OF CENTERLINE, UP TO 738 FT MSL. TREES, POLES BEGINNING 1909 FT FROM DER, 33 FT LEFT OF CENTERLINE, UP TO 752 FT MSL. TREES, TERRAIN BEGINNING 3990 FT FROM DER, 66 FT LEFT OF CENTERLINE, UP TO 743 FT MSL. TREES BEGINNING 4001 FT FROM DER, 14 FT RIGHT OF CENTERLINE, UP TO 781 FT MSL. TREE 1.2 NM FROM DER, 1902 FT LEFT OF CENTERLINE, 903 FT MSL. TREES, TERRAIN BEGINNING 1.2 NM FROM DER, 103 FT LEFT OF CENTERLINE, UP TO 891 FT MSL. TREES, TERRAIN BEGINNING 1.4 NM FROM DER, 964 FT LEFT OF CENTERLINE, UP TO 1007 FT MSL. TREE 1.6 NM FROM DER, 3048 FT LEFT OF CENTERLINE, 1055 FT MSL. TREES, TERRAIN BEGINNING 1.6 NM FROM DER, 787 FT LEFT OF CENTERLINE, UP TO 951 FT MSL. TREES, TERRAIN, TRANSMISSION LINES BEGINNING 1.6 NM FROM DER, 2776 FT RIGHT OF CENTERLINE, UP TO 879 FT MSL.

NOTE: RWY 07, TREE, NAVAID BEGINNING 13 FT FROM DER, 125 FT LEFT OF CENTERLINE, UP TO 20 FT AGL/581 FT MSL. TREES, TRANSMISSION LINE, POLE BEGINNING 20 FT FROM DER, 390 FT RIGHT OF CENTERLINE, UP TO 715 FT MSL. TREES, POLE BEGINNING 29 FT FROM DER, 255 FT RIGHT OF CENTERLINE, UP TO 20 FT AGL/642 FT MSL. TREES, POLES, TRANSMISSION LINES, BUILDING BEGINNING 524 FT FROM DER, 326 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/729 FT MSL. TREE 1958 FT FROM DER, 1010 FT RIGHT OF CENTERLINE, 98 FT AGL/752 FT MSL. TRANSMISSION LINES, POLES, TREES BEGINNING 1974 FT FROM DER, 778 FT RIGHT OF CENTERLINE, UP TO 37 FT AGL/678 FT MSL. TREES, TRANSMISSION LINE BEGINNING 2575 FT FROM DER, 317 FT RIGHT OF CENTERLINE, UP TO 763 FT MSL. TREES BEGINNING 1.4 NM FROM DER, 167 FT RIGHT OF CENTERLINE, UP TO 808 FT MSL. TREES BEGINNING 1.5 NM FROM DER, 1549 FT LEFT OF CENTERLINE, UP TO 827 FT MSL. TREE 2 NM FROM DER, 2487 FT LEFT OF CENTERLINE, 1134 FT MSL. TREES BEGINNING 2 NM FROM DER, 1839 FT LEFT OF CENTERLINE, UP TO 1053 FT MSL. TREE 2.2 NM FROM DER, 3877 FT LEFT OF CENTERLINE, 962 FT MSL.

NOTE: RWY 25, TREES, BUILDING BEGINNING 198 FT FROM DER, 453 FT LEFT OF CENTERLINE, UP TO 593 FT MSL. TREE 382 FT FROM DER, 503 FT RIGHT OF CENTERLINE, 92 FT AGL/581 FT MSL. TREES, POLE BEGINNING 1082 FT FROM DER, 399 FT LEFT OF CENTERLINE, UP TO 42 FT AGL/606 FT MSL. TREE 2.8 NM FROM DER, 3002 FT RIGHT OF CENTERLINE, 1232 FT MSL. TREE 2.9 NM FROM DER, 3201 FT RIGHT OF CENTERLINE, 1013 FT MSL.

CONTROLLING OBSTACLES:

RWY 36: 1473 FT MSL AAO 434050.92N/0722011.89W.
RWY 18: 1055 FT MSL TREE 433526.06N/0721703.29W (CEILING), 903 FT MSL TREE 433454.06N/0721826.38W (VISIBILITY), 2871 FT MSL AAO 433008.31N/0721210.55W (CLIMB GRADIENT/CLIMB-TO ALTITUDE).
RWY 7: 1134 FT MSL TREE 433924.79N/0721530.26W (CEILING), 962 FT MSL TREE 433941.83N/0721527.75W (VISIBILITY), 1539 FT MSL AAO 433939.00N/0721342.11W (CLIMB GRADIENT), 2471 FT MSL AAO 434315.00N/0720845.00W (CLIMB-TO ALTITUDE).
RWY 25: 1232 FT MSL TREE 433646.09N/0722152.02W (CEILING/CLIMB GRADIENT), 1013 FT MSL TREE 433654.00N/0722209.00 (VISIBILITY), 3304 FT MSL AAO 432645.00N/0722709.00W (CLIMB-TO ALTITUDE).

VISUAL CLIMB AREA OBSTACLE:

ALL RUNWAYS, 1659 FT MSL TREE 4335.00.45N/0721454.31W.
OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA CLIMB-TO ALTITUDE:
ALL RUNWAYS, 2871 FT MSL AAO 433009.00N/0721209.00W.

REMARKS:

RWY 7, 18: LOW CLOSE IN OBSTACLES, CAUSE EXCESSIVE CLIMB GRADIENTS AND CANNOT BE REMOVED PER THE AIRPORT MANAGER. CLIMB GRADIENT AND CLIMB-TO ALTITUDE BASED ON OBSTACLES OUTSIDE OF ICA EXTENDED 3 SM AREA. CEILING/VIS OBSTACLES INSIDE THE 3 SM AREA MANUALLY IDENTIFIED TO MITIGATE.
98 FT VERTICAL ACCURACY CODE (4E) ADJUSTMENT APPLIED TO OBSTACLE MANDATING ROUTE/VCOA CLIMB-TO ALTITUDE.

QUALITY
3
CHECKED

AIRPORT	AIRPORT ID	CITY	STATE	AMDT NO	EFFECTIVE DATE
LEBANON MUNI	KLEB	LEBANON	NH	3	17 JUNE 2021

FLIGHT INSPECTED BY

DANIEL KIRBY

Digitally signed by

JON DENTON

Jan 26, 2021

OFFICE

FICO

DATE

01/20/2021

DEVELOPED BY

WARDELL HENNING (PATRICK COMBS)

Digitally signed by

JON DENTON

Jan 26, 2021

OFFICE

AJV-A432

DATE

06/29/2020

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Jan 26, 2021

OFFICE

AJV-A430

DATE

TITLE

MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZBW, LEB ATCT, ARPT MGR.

CHANGES - REASONS:

1. TAKEOFF MINS: RWY 36: UPDATED FROM "STANDARD WITH MINIMUM CLIMB OF 350 FEET PER NM TO 1800, OR 2000 - 3 FOR CLIMB IN VISUAL CONDITIONS" TO "STANDARD WITH MINIMUM CLIMB OF 365 FEET PER NM TO 1900, OR 2100 - 3 FOR VCOA" - UPDATED OBSTACLE EVALUATION.
2. TAKEOFF MINS: RWY 18: UPDATED FROM "STANDARD WITH MINIMUM CLIMB OF 380 FEET PER NM TO 3800, OR 2000-3 FOR CLIMB IN VISUAL CONDITIONS" TO "500-2 1/2 WITH MINIMUM CLIMB OF 380 FEET PER NM TO 3800, OR 2100-3 FOR VCOA" - UPDATED OBSTACLE EVALUATION.
3. TAKEOFF MINS: RWY 7: UPDATED FROM "300-1 WITH MINIMUM CLIMB OF 380 FEET PER NM TO 3100, OR 2000-3 FOR CLIMB IN VISUAL CONDITIONS" TO " 600-2 3/4 WITH MINIMUM CLIMB OF 385 FEET PER NM TO 3100, OR 2100-3 FOR VCOA" - UPDATED OBSTACLE EVALUATION.
4. TAKEOFF MINS: RWY 25: UPDATED FROM "STANDARD WITH MINIMUM CLIMB OF 380 FEET PER NM TO 3100, OR 2000 - 3 FOR CLIMB IN VISUAL CONDITIONS" TO "700-3 WITH MINIMUM CLIMB OF 380 FEET PER NM TO 3400, OR 2100 -3 FOR VCOA" - UPDATED OBSTACLE EVALUATION.
5. DEPT PROCEDURES: RWY 36: UPDATED CLIMB-TO ALT FROM 1800 TO 1900 - UPDATED EVALUATION.
6. DEPT PROCEDURES: RWY 18: UPDATED CLIMB-TO ALT FROM 3100 TO 2100 - UPDATED EVALUATION.
7. DEPT PROCEDURES: RWY 7: UPDATED CLIMB-TO ALT FROM 1900 TO 2100 - UPDATED EVALUATION.
8. DEPT PROCEDURES: RWY 25: UPDATED CLIMB-TO ALT FROM 3100 TO 2100 - UPDATED EVALUATION.
9. MOVED VCOA INSTRUCTIONS FROM DEPARTURE PROCEDURES TO VCOA SECTION AND CHANGED INSTRUCTIONS FROM "FOR CLIMB IN VISUAL CONDITIONS: CROSS LEBANON MUNI AIRPORT AT OR ABOVE 2500 BEFORE PROCEEDING ON COURSE" TO "ALL RUNWAYS, OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS LEBANON MUNI AIRPORT AT OR ABOVE 2600 BEFORE PROCEEDING ON COURSE" - IAW 8260.46 APPENDIX D1-9B, D7; UPDATED OBSTACLE EVAL.

QUALITY
3
CHECKED