

**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</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
DEAN MEMORIAL	K5B9	HAVERHILL	NH	1	17 JUNE 2021

TAKEOFF MINIMUMS:

RWY 19: NA - TERRAIN

RWY 1: STANDARD WITH MINIMUM CLIMB OF 355 FT PER NM TO 1500, OR 1300-3 FOR VCOA.

TEXTUAL DEPARTURE PROCEDURES:

RWY 1: CLIMB ON HEADING 353.00 TO INTERCEPT MPV VOR/DME R-088 WESTBOUND TO 4700 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

RWY 1: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS DEAN MEMORIAL AIRPORT HEADING 353.00 AT OR ABOVE 1500 TO INTERCEPT MPV VOR/DME R-088 WESTBOUND TO 4700 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 1: VEHICLES ON ROAD 22 FT FROM DER, 439 FT RIGHT OF CENTERLINE, 15 FT AGL/555 FT MSL. TRANSMISSION LINES BEGINNING 176 FT FROM DER, 178 FT RIGHT OF CENTERLINE, UP TO 37 FT AGL/582 FT MSL. BUILDINGS 279 FT FROM DER, 291 FT LEFT OF CENTERLINE, 24 FT AGL/563 FT MSL. TRANSMISSION LINES 417 FT FROM DER, 151 FT LEFT OF CENTERLINE, 37 FT AGL/573 FT MSL. TREES BEGINNING 868 FT FROM DER, 329 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/640 FT MSL.

CONTROLLING OBSTACLES:

RWY 1: 1219 FT MSL AAO 440733.54N/0720010.51W (CEILING/CLIMB GRADIENT/CLIMB GRADIENT TERMINATION ALTUDE), 1039 FT MSL AAO 440736.95N/0720043.25W (VISIBILITY).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 1: 5039 FT MSL AAO 440126.86N/0714951.00W.

VISUAL CLIMB AREA OBSTACLE: 2939 FT MSL AAO 440426.67N/0715529.46W.

OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA CLIMB TO ALTITUDE: 5039 FT MSL AAO 440126.86N/0714951.00W.

REMARKS:

<u>FLIGHT INSPECTED BY</u>	<i>Digitally signed by</i> JOHN BORDY Mar 31, 2021	<u>OFFICE</u>	<u>DATE</u>	
JAMES HAWLEY		FIOG	03/17/2021	
<u>DEVELOPED BY</u>	<i>Digitally signed by</i> JOHN BORDY Mar 31, 2021	<u>OFFICE</u>	<u>DATE</u>	
JOHN BORDY (ARTHUR ULVESTAD)		AJVA-422	10/20/2020	
<u>APPROVED BY</u>	<i>Digitally signed by</i> JOHN BORDY Mar 31, 2021	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
MARLON ROBINSON		AJVA-420		MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZTL, TRI-CITY APP CON, APT MGR

CHANGES - REASONS:

1. CHANGED TAKEOFF MINIMUMS RWY 1 FROM "STANDARD WITH MINIMUM CLIMB OF 339 FEET PER NM TO 2000, OR 1800-2 FOR CLIMB IN VISUAL CONDITIONS" TO "STANDARD WITH MINIMUM CLIMB OF 355 FT PER NM TO 1500, OR 1300-3 FOR CLIMB VCOA" - NEW TARGETS EVALUATION.
2. UPDATED DEPARTURE INSTRUCTIONS RWY 1 FROM "CLIMBING LEFT TURN HEADING 240 AND LEB VOR/DME R-029 TO 4800 BEFORE PROCEEDING ON COURSE. DO NOT EXCEED 180 KIAS UNTIL ESTABLISHED ON LEB VOR/DME R-029" TO "CLIMBING LEFT TURN HEADING 353.00 TO INTERCEPT MPV VOR/DME R-088 TO 4700 BEFORE PROCEEDING ON COURSE." - NEW TARGETS EVALUATION AND DECOMMISSIONING OF LEB VOR/DME (VORMON).
3. CHANGED VISUAL CLIMB OVER AIRPORT FROM "FOR CLIMB IN VISUAL CONDITIONS: CROSS DEAN MEMORIAL AIRPORT SOUTHWEST BOUND AT OR ABOVE 2200 VIA LEB VOR/DME R-036 TO 5000 BEFORE PROCEEDING ON COURSE. DO NOT EXCEED 180 KIAS UNTIL ESTABLISHED ON LEB VOR/DME R-036" TO "OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS DEAN MEMORIAL AIRPORT HEADING 353.00 AT OR ABOVE 1500 TO INTERCEPT MPV VOR/DME R-088 WESTBOUND TO 4700 BEFORE PROCEEDING ON COURSE." - IAW 8260.46G APPENDIX D, 9 B; NEW TARGETS EVALUATION AND DECOMMISSIONING OF LEB VOR/DME (VORMON).

QUALITY
49
CHECKED

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DEAN MEMORIAL	K5B9	HAVERHILL	NH	1	17 JUNE 2021

4. UPDATED TAKEOFF OBSTACLE NOTES - IAW 8260.46G SECTION 2, 7.

5. UPDATED CONTROLLING OBSTACLE FROM "1,579 MSL AAO 440759.83N-0720426.08W, 1,439 MSL AAO 440734.91N-0715957.83W, 5,040 MSL AAO 440126.29N-0714953.67W, 1,359 MSL AAO 440652.93N-0720402.90W" TO "1219 FT MSL AAO 440733.54N/0720010.51W (CEILING/CLIMB GRADIENT/CLIMB GRADIENT TERMINATION ALTITUDE), 1039 FT MSL AAO 440736.95N/0720043.25W (VISIBILITY)." - IAW 8260.46G APPENDIX D 11; NEW TARGETS EVALUATION.

6. CHANGED VCOA OBSTACLES FROM "1,928 AAO 440352.19N-0715725.11W, 5,040 AAO 440126.29N-0714953.67W" TO "VISUAL CLIMB AREA OBSTACLE: 2939 FT MSL AAO 440426.67N/0715529.46W AND OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA CLIMB TO ALTITUDE: 5039 FT MSL AAO 440126.86N/0714951.00W - NEW TARGETS EVALUATION.

7. ADDED OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 1: 5039 FT MSL AAO 440126.86N/0714951.00W - IAW 8260.46G APPENDIX D,11(C).

3/24/21: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/20/20.

1. CHANGED RWY 1 TEXTUAL DEPARTURE PROCEDURE FROM "CLIMBING LEFT TURN HEADING 353.00 TO INTERCEPT MPV VOR/DME R-088 TO 4700 BEFORE PROCEEDING ON COURSE" TO "CLIMB ON HEADING 353.00 TO INTERCEPT MPV VOR/DME R-088 WESTBOUND TO 4700 BEFORE PROCEEDING ON COURSE" - FLIGHT CHECK REQUEST.

QUALITY
49
CHECKED