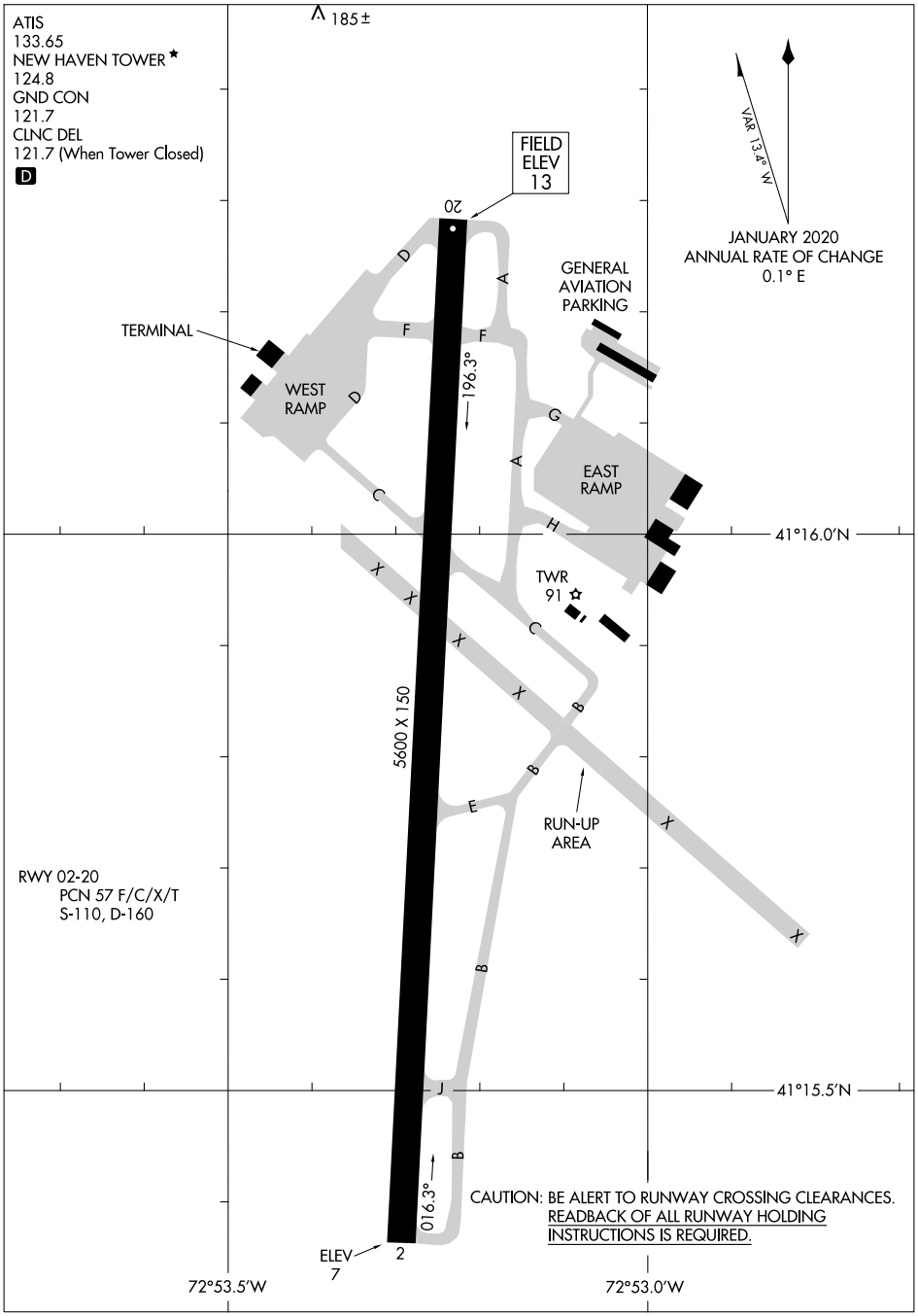

ATIS
133.65
NEW HAVEN TOWER ★
124.8
GND CON
121.7
CLNC DEL
121.7 (When Tower Closed)
D
185±
FIELD ELEV 13
20
VAR 13.4° W
JANUARY 2020
ANNUAL RATE OF CHANGE
0.1° E
GENERAL AVIATION PARKING
TERMINAL
WEST RAMP
196.3°
EAST RAMP
41°16.0'N
TWR 91
5600 X 150
RUN-UP AREA
RWY 02-20
PCN 57 F/C/X/T
S-110, D-160
41°15.5'N
016.3°
CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING
INSTRUCTIONS IS REQUIRED.
ELEV 7
2
72°53.5'W
72°53.0'W

BRIDGEHAVEN ONE DEPARTURE

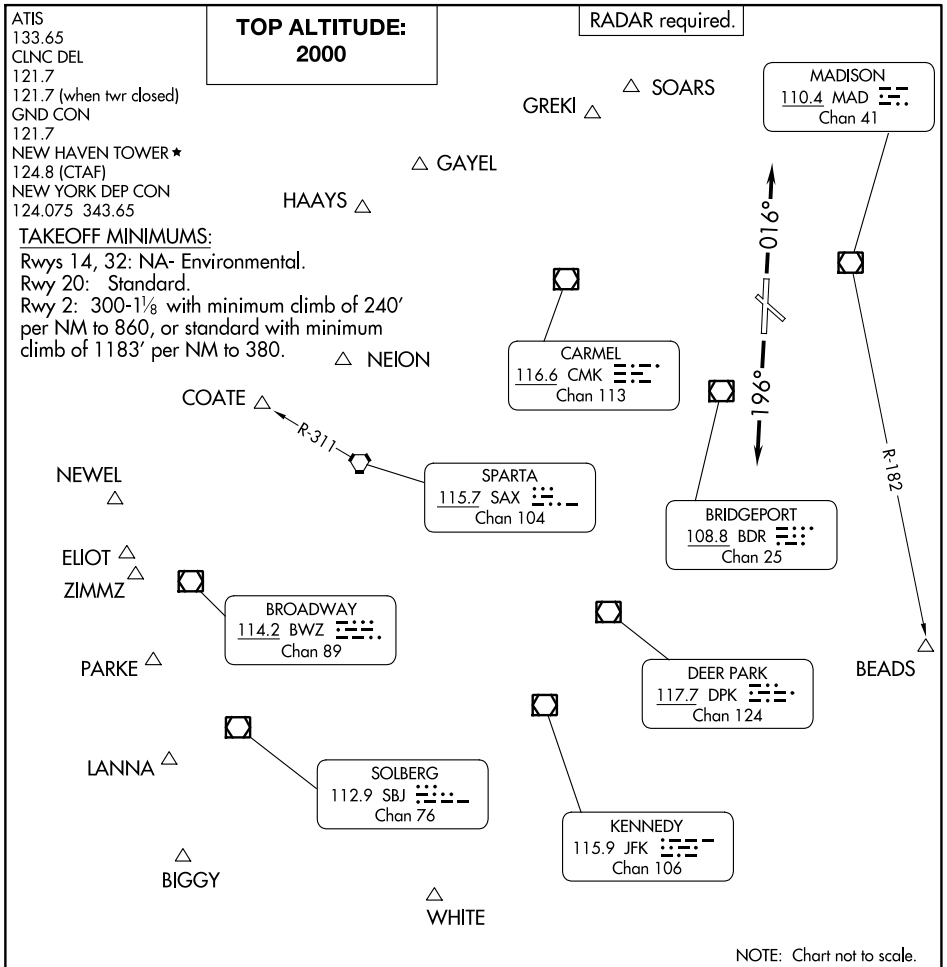
NEW HAVEN, CONNECTICUT

ATIS
133.65
CLNC DEL
121.7
121.7 (when twr closed)
GND CON
121.7
NEW HAVEN TOWER ★
124.8 (CTAF)
NEW YORK DEP CON
124.075 343.65

TOP ALTITUDE: 2000

RADAR required.

TAKEOFF MINIMUMS:
Rwys 14, 32: NA- Environmental.
Rwy 20: Standard.
Rwy 2: 300-1⅛ with minimum climb of 240′ per NM to 860, or standard with minimum climb of 1183′ per NM to 380.



NOTE: Chart not to scale.

NOTE: BEADS Departures expect vectors to MAD R-182.
NOTE: COATE Departures expect vectors to SAX/SAX R-311.
NOTE: ELIOT authorized for all aircraft types but restricted to a final altitude of 14000 or 16000.
NOTE: NEWEL authorized only for jet aircraft requesting a final altitude of FL180 and above.
NOTE: ZIMMZ authorized for all aircraft types but restricted to a final altitude of FL180 and above.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 2: Climb heading 016°, thence. . . .

TAKEOFF RUNWAY 20: Climb heading 196°, thence. . . .

. . . .expect vectors to assigned route/fix. Maintain 2000. Expect clearance to filed altitude/flight level within ten (10) minutes after departure.

NE-1, 22 FEB 2024 to 21 MAR 2024

LOC/DME I-HVN	APP CRS	Rwy ldg 5600
109.1	016°	TDZE 7
Chan 28		Apt Elev 13

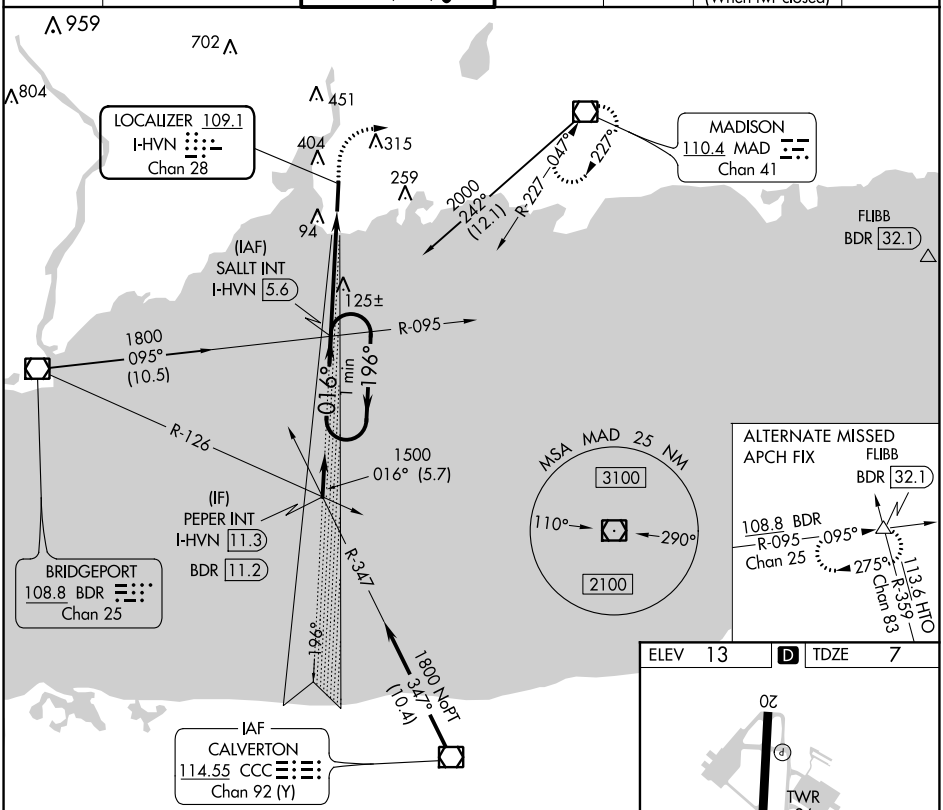
ILS or LOC RWY 2
TWEED/NEW HAVEN (HVN)

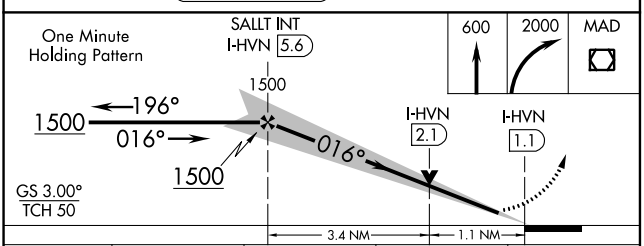
Rwy 2 helicopter visibility reduction below RVR 4000 NA.
For inop ALS, increase S-ILS all Cats visibility to RVR 4500.

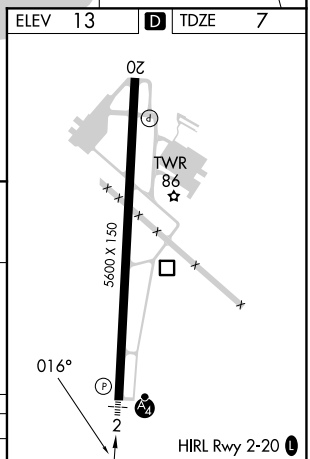
MALSF

MISSED APPROACH: Climb to 600 then climbing right turn to 2000 direct MAD VOR/DME and hold.

ATIS	NEW YORK APP CON	NEW HAVEN TOWER ★	GND CON	CLNC DEL	CLNC DEL (When twr closed)	UNICOM
133.65	124.075 343.65	124.8 (CTAF) L	121.7	121.7	121.7	122.95







CATEGORY	A	B	C	D
S-ILS 2	294/40		287 (300-¾)	
S-LOC 2	400/40	393 (400-¾)	400/45	393 (400-⅞)
C CIRCLING	720-1	707 (800-1)	780-2¼ 767 (800-2¼)	880-2¾ 867 (900-2¾)

FAF to MAP 4.5 NM

Knots	60	90	120	150	180
Min:Sec	4:30	3:00	2:15	1:48	1:30

NE-1, 22 FEB 2024 to 21 MAR 2024

WAAS CH 86999 W02A	APP CRS 016°	Rwy ldg 5600 TDZE 7 Apt Elev 13

RNAV (GPS) RWY 2
TWEED/NEW HAVEN (HVN)

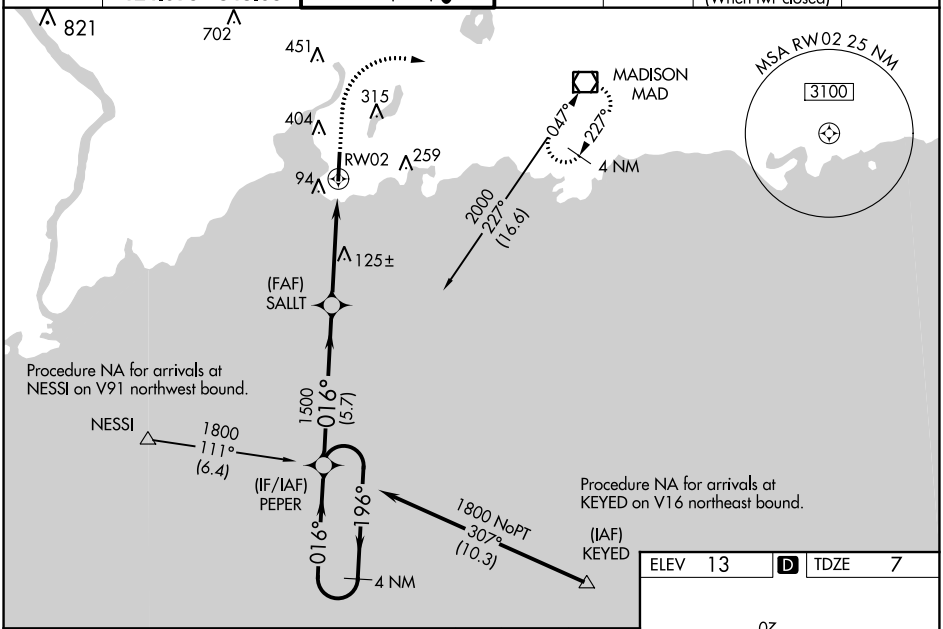
RNP APCH - GPS.

When local altimeter setting not received, use Long Island Mac Arthur altimeter setting: increase LPV DA to 375 feet; increase LNAV/VNAV DA to 446 feet and all visibilities to RVR 5000; increase all MDAs 100 feet and LNAV visibility Cat C/D to RVR 6000 and Circling visibility Cat C/D ¼ SM. For inop ALS when using Long Island Mac Arthur altimeter setting, increase LPV visibility all Cats to RVR 5500. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -14°C or above 54°C. Night landing: Rwy 14, 32 NA. Rwy 2 helicopter visibility reduction below RVR 4000 NA. Baro-VNAV and VDP NA when using Long Island Mac Arthur altimeter setting. For inop ALS, increase LPV all Cats visibility to RVR 4500.

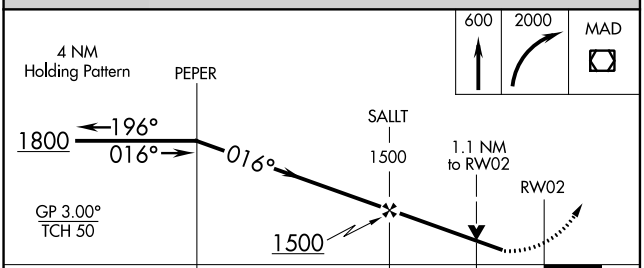
MALSF

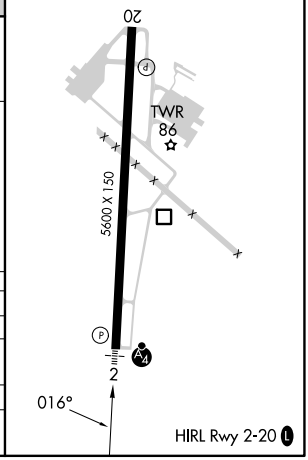
MISSED APPROACH: Climb to 600 then climbing right turn to 2000 direct MAD VOR/DME and hold.

ATIS	NEW YORK APP CON	NEW HAVEN TOWER ★	GND CON	CLNC DEL	CLNC DEL (When twr closed)	UNICOM
133.65	124.075 343.65	124.8 (CTAF) L	121.7	121.7	121.7	122.95



ELEV 13	D	TDZE 7





CATEGORY	A	B	C	D
LPV DA		295/40	287 (300-¾)	
LNAV/VNAV DA		365/40	358 (400-¾)	
LNAV MDA	400/40	393 (400-¾)	400/45	393 (400-⅞)
C CIRCLING	720-1	707 (800-1)	780-2¼ 767 (800-2¼)	880-2¾ 867 (900-2¾)

NE-1, 22 FEB 2024 to 21 MAR 2024

WAAS CH 45937 W20A	APP CRS 196°	Rwy ldg 5600 TDZE 10 Apt Elev 13

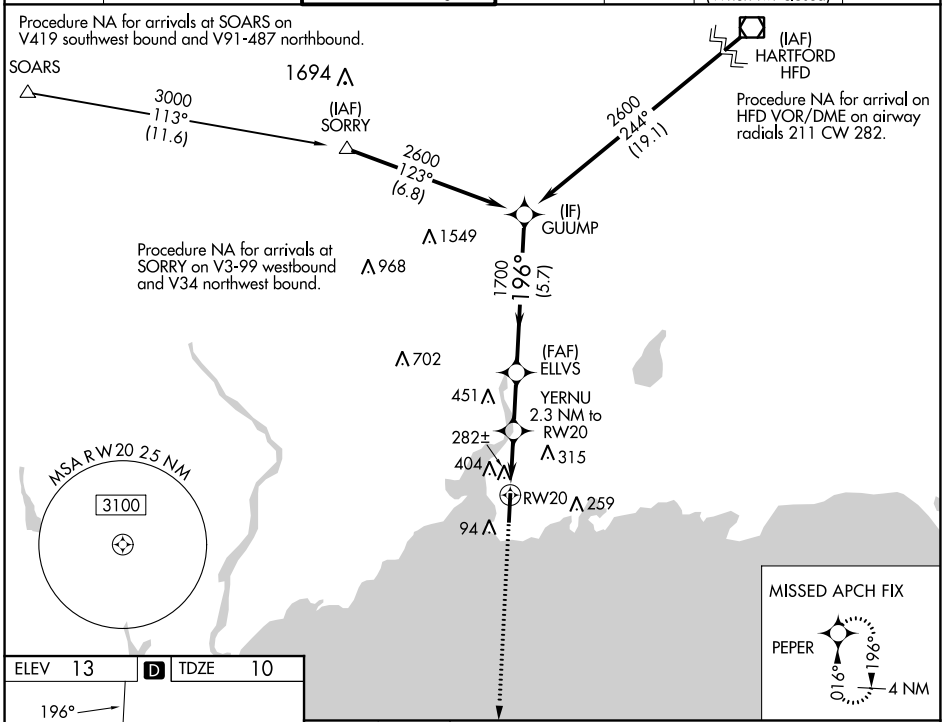
RNAV (GPS) RWY 20
TWEED/NEW HAVEN (HVN)

RNP APCH - GPS.

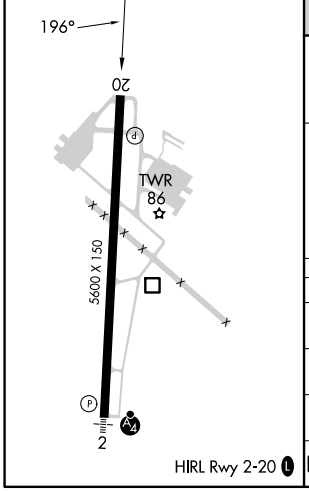
Rwy 20 helicopter visibility reduction below ¾ SM NA.

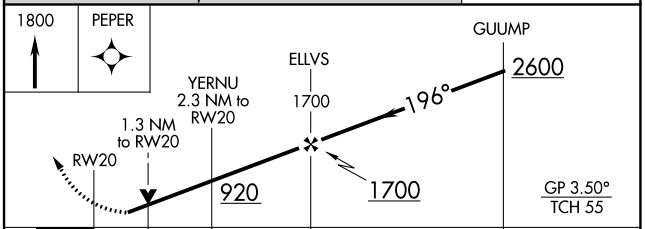
MISSED APPROACH: Climb to 1800 direct PEPER and hold.

ATIS	NEW YORK APP CON	NEW HAVEN TOWER ★	GND CON	CLNC DEL	CLNC DEL (When twr closed)	UNICOM
133.65	124.075 343.65	124.8 (CTAF) L	121.7	121.7	121.7	122.95



ELEV 13 D TDZE 10





CATEGORY	A	B	C	D
LPV DA	430-1⅛ 420 (500-1⅛)			
LNAV/VNAV DA	522-1⅜ 512 (600-1⅜)			
LNAV MDA	540-1 530 (600-1)		540-1½ 530 (600-1½)	
C CIRCLING	720-1 707 (800-1)		780-2¼ 767 (800-2¼)	880-2¾ 867 (900-2¾)

NE-1, 22 FEB 2024 to 21 MAR 2024

INSTRUMENT APPROACH PROCEDURE CHARTS

IFR ALTERNATE AIRPORT MINIMUMS

Pilots must review the IFR Alternate Minimums Notes to determine alternate airport suitability. ▲NA designation on the approach chart means that pilots may not use that approach as an alternate due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Approaches with the ▲NA designation are not listed in this section. ▲ designation on the approach chart indicates that the approach procedure has non-standard minimums (for aircraft other than helicopters) or restrictions (for all users) for its use as an alternate.

Alternate Minima (ref: 14 CFR 91.169)

	Precision Approach	Non-Precision Approach
Standard	**600-2**	**800-2**
▲Non-Standard or restrictions	As indicated below	As indicated below
Helicopters	For the selected approach: Ceiling: 200' above published ceiling Visibility: the greater of 1 SM visibility or the published visibility	
US Military (USA/USN/USAF)	See Service Regulations	

Note: For alternate airport flight planning purposes, precision approach operations include: ILS, PAR, and GLS, and Non-Precision approach operations include: NDB, VOR, LOC, TACAN, LDA, SDF, ASR, RNAV (GPS) and RNAV (RNP).

22 FEB 2024 to 21 MAR 2024

NAME ALTERNATE MINIMUMS

AUBURN/LEWISTON, ME

AUBURN/LEWISTON
MUNI (LEW)……..……**ILS or LOC Rwy 4[1,3]**
RNAV (GPS) Rwy 4[2]
RNAV (GPS) Rwy 22[3]
[1]LOC, Category C, 800-2½; Category D, 900-2¾.
[2]Category C, 800-2¼; Category D, 900-2¾;
[3]NA when local weather not available.

AUGUSTA, ME

AUGUSTA
STATE (AUG)….....…..**ILS or LOC Rwy 17[1]**
RNAV (GPS) Rwy 17[2]
RNAV (GPS) Rwy 35[2]
VOR Rwy 35[2]
NA when local weather not available.
[1]ILS, LOC, Category D, 900-2½.
[2]Category D, 900-2½.

BANGOR, ME

BANGOR INTL (BGR)…….**ILS or LOC Rwy 33[1]**
ILS Y or LOC Y Rwy 15[2]
RADAR-1[3]
RNAV (GPS) Rwy 15[3]
RNAV (GPS) Rwy 33[3]
[1]ILS, LOC, Categories A, B, 1200-2; Categories C, D, E, 1200-3.
[2]ILS, Category D, 700-2; Category E, 700-2½; LOC, Category E, 800-2½.
[3]Category E, 800-2½.

NAME ALTERNATE MINIMUMS

BAR HARBOR, ME

HANCOCK COUNTY/
BAR HARBOR (BHB)……..**ILS or LOC Rwy 22[1]**
RNAV (GPS) Rwy 4[2]
RNAV (GPS) Rwy 22[2]
[1]LOC, Category D, 800-2½.
[2]Category D, 800-2½.

BARRE-MONTPELIER, VT

EDWARD F
KNAPP STATE (MPV)…….**RNAV (GPS) Rwy 17**
NA when local weather not available.
Categories A, B, 900-2; Category C, 1600-3; Category D, 1800-3.

BEDFORD, MA

LAURENCE G HANSCOM
FLD (BED)…..……...……..**ILS or LOC Rwy 11[1,2]**
ILS or LOC Rwy 29[1,2]
RNAV (GPS) Rwy 23[3,4]
RNAV (GPS) Z Rwy 11[3,4]
RNAV (GPS) Z Rwy 29[3]
[1]NA when control tower closed.
[2]LOC, Category C, 800-2¼; Category D, 800-2½.
[3]Category C, 800-2¼; Category D, 800-2½.
[4]NA when local weather not available.

NAME ALTERNATE MINIMUMS

BERLIN, NH
BERLIN
RGNL (BML)…….....…..**RNAV (GPS) Rwy 18**
Category A, 1100-2; Category B, 1200-2;
Category C, 1500-3; Category D, 1600-3.

BEVERLY, MA
BEVERLY RGNL (BVY)……**LOC Rwy 16[12]**
RNAV (GPS) Rwy 9[3]
RNAV (GPS) Rwy 16[3]
RNAV (GPS) Rwy 27[3]
RNAV (GPS) Rwy 34[2]
NA when local weather not available.
[1]NA when tower closed.
[2]Category D, 800-2½.
[3]Category D, 800-2¼.

BLOCK ISLAND, RI
BLOCK ISLAND
STATE (BID)...……..**RNAV (GPS) Rwy 10**
RNAV (GPS) Rwy 28
VOR Rwy 28
NA when local weather not available.

BOSTON, MA
GENERAL EDWARD LAWRENCE LOGAN
INTL (BOS)……..**ILS or LOC Rwy 4R[12]**
ILS or LOC Rwy 15R[3]
ILS or LOC Rwy 22L[1]
ILS or LOC Rwy 27[4]
ILS or LOC Rwy 33L[5]
RNAV (GPS) Rwy 4R[67]
RNAV (GPS) Rwy 15R[6]
RNAV (GPS) Rwy 27[6]
RNAV (GPS) Rwy 32[8]
RNAV (GPS) X Rwy 22L[6]
RNAV (GPS) Y Rwy 22L[6]
RNAV (GPS) Z Rwy 33L[6]
VOR-A[9]
[1]LOC, Category A, 1000-2; Category B, 1100-2.
[2]LOC, NA when local weather not available.
[3]LOC, Category A, 1000-2;
Categories B, C, D, 1100-2.
[4]LOC, Category A, 1000-1½;
Category B, 1100-1½.
[5]LOC, Category A, 1000-2; Category, B, 1100-2;
Categories C, D, 1100-3.
[6]Category A, 1000-2; Category B, 1100-2.
[7]NA when local weather not available.
[8]Category A, 1000-2; Category B, 1100-2;
Categories C, D, 900-2½.
[9]Category A, 1000-2;
Categories B, C, D, 1100-2.

NAME ALTERNATE MINIMUMS

BRIDGEPORT, CT
BRIDGEPORT/
SIKORSKY (BDR)…….....**ILS or LOC Rwy 6[12]**
RNAV (GPS) Rwy 6[3]
RNAV (GPS) Rwy 24[3]
RNAV (GPS) Rwy 29[3]
[1]LOC, NA when control tower closed.
[2]LOC, Category C, 900-2½; Category D, 900-2¾.
[3]Category C, 900-2½; Category D, 900-2¾.

BRUNSWICK, ME
BRUNSWICK
EXEC (BXM)….....……..**RNAV (GPS) Rwy 1R**
NA when local weather not available.
Category C, 800-2¼; Category D, 800-2½.

BURLINGTON, VT
PATRICK LEAHY BURLINGTON
INTL (BTV)...…….....…..**ILS or LOC Rwy 15[123]**
ILS or LOC/DME Rwy 33[24]
RNAV (GPS) Rwy 15[5]
RNAV (GPS) Y Rwy 33[6]
RNAV (GPS) Z Rwy 33[7]
VOR Rwy 1[8]
[1]LOC, Category C, 900-2¾; Category D, 1100-3;
Category E, 1200-3.
[2]NA when control tower closed.
[3]NA when local weather not available.
[4]LOC, Category C, 900-2¾;
Categories D, E, 1100-3.
[5]Category C, 900-2¾; Category D, 1100-3.
[6]Category C, 900-2½; Category D, 1100-3;
Category E, 1200-3.
[7]Categories A, B, C, D, E, 1700-5.
[8]Category C, 900-2½; Category D, 1100-3.

CARIBOU, ME
CARIBOU
MUNI (CAR)…….....……**RNAV (GPS) Rwy 1**
RNAV (GPS) Rwy 19
NA when local weather not available.
Category D, 800-2½.

CHATHAM, MA
CHATHAM MUNI (CQX)...……**RNAV (GPS)-B**
NA when local weather not available.
Category D, 800-2¼.

CHESTER, CT
CHESTER (SNC)...……..**RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35
NA when local weather not available.

22 FEB 2024 to 21 MAR 2024
22 FEB 2024 to 21 MAR 2024

NAME ALTERNATE MINIMUMS

CONCORD, NH
CONCORD
MUNI (CON)....**ILS or LOC Rwy 35[1]**
RNAV (GPS) Rwy 12[2]
RNAV (GPS) Rwy 17[2]
RNAV (GPS) Rwy 35[2]
VOR-A[2]
NA when local weather not available.
[1]LOC, Categories C, D, 1200-3.
[2]Categories C, D, 1200-3.

DANBURY, CT
DANBURY MUNI (DXR)....**LOC Rwy 8[123]**
RNAV (GPS) Rwy 8[23]
RNAV (GPS) Rwy 26[24]
RNAV (GPS) Z Rwy 8[25]
RNAV (GPS)-A[6]
[1]NA when control tower closed.
[2]NA when local weather not available.
[3]Category B, 900-2; Category C, 900-2½; Category D, 1100-3.
[4]Categories A, B, 900-2; Category C, 900-2½.
[5]Categories A, B, 900-2½.
[6]Categories A, B, 900-2; Category C, 900-2¾; Category D, 1100-3.

FALMOUTH, MA
CAPE COD COAST GUARD AIR
STATION (FMH)....**ILS Z or LOC Z Rwy 23[1]**
ILS Z or LOC Z Rwy 32[1]
RNAV (GPS) Rwy 5[2]
RNAV (GPS) Rwy 14[2]
RNAV (GPS) Rwy 23[23]
RNAV (GPS) Rwy 32[2]
[1]LOC, Category C, 800-2¼; Category D, 800-2½.
[2]Category C, 800-2¼; Category D, 800-2½.
[3]NA when local weather not available.

FITCHBURG, MA
FITCHBURG
MUNI (FIT)....**RNAV (GPS) Rwy 14[1]**
RNAV (GPS) Rwy 32[2]
NA when local weather not available.
[1]Categories A, B, 1100-2; Category C, 1200-3.
[2]Category B, 1100-2; Category C, 1200-3.

FRENCHVILLE, ME
NORTHERN AROOSTOOK
RGNL (FVE)....**RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32
NA when local weather not available.
Category C, 900-2½; Category D, 900-2¾.

FRYEBURG, ME
EASTERN SLOPES
RGNL (IZG)....**RNAV (GPS) Rwy 32**
NA when local weather not available.
Category A, 900-2; Category B, 1000-2;
Category C, 1200-3.

GREENVILLE, ME
GREENVILLE
MUNI (3B1)....**RNAV (GPS) RWY 14**
NA when local weather not available.
Category A, B, 1100-2; Category C, 1100-3;
Category D, 1200-3.

GROTON (NEW LONDON), CT
GROTON-NEW
LONDON (GON)....**ILS or LOC Rwy 5[12]**
RNAV (GPS) Rwy 5[3]
RNAV (GPS) Rwy 23[3]
VOR Rwy 5[3]
VOR Rwy 23[3]
NA when local weather not available.
[1]NA when control tower closed.
[2]LOC, Category D, 900-2¾.
[3]Category D, 900-2¾.

HARTFORD, CT
HARTFORD-BRAINARD (HFD)....**LDA Rwy 2[13]**
RNAV (GPS) Rwy 2[1]
VOR-A[2]
[1]Category B, 900-2; Category C, 1000-2¾;
Category D, 1000-3.
[2]Categories A, B, 1200-2; Categories C, D, 1200-3.
[3]NA when control tower closed.

HIGHGATE, VT
FRANKLIN COUNTY
STATE (FSO)....**RNAV (GPS) Rwy 1[1]**
RNAV (GPS) Rwy 19
NA when local weather not available.
[1]Categories A, B, 800-2½.

HOULTON, ME
HOULTON INTL (HUL)....**RNAV (GPS)-A**
RNAV (GPS) Rwy 5
NA when local weather not available.

HYANNIS, MA
CAPE COD
GATEWAY (HYA)....**ILS or LOC Rwy 15[12]**
ILS or LOC Rwy 24[12]
RNAV (GPS) Rwy 6[3]
RNAV (GPS) Rwy 15[3]
RNAV (GPS) Rwy 24[3]
RNAV (GPS) Rwy 33[3]
VOR Rwy 6[4]
NA when local weather not available.
[1]NA when control tower closed.
[2]ILS, LOC, Category C, 900-2¼;
Category D, 900-2½.
[3]Category C, 900-2¼; Category D, 900-2½.
[4]Categories A, B, 900-2; Category C, 900-2½;
Category D, 900-2¾.

NAME ALTERNATE MINIMUMS

JACKMAN, ME
NEWTON FLD (59B)....**RNAV (GPS) Rwy 13[1]**
RNAV (GPS) Rwy 31[2]
NA when local weather not available.
[1]Category A, 1000-2; Category B, 1200-2; Category C, 1400-3.
[2]Category A, 1100-2; Category B, 1200-2; Category C, 1400-3.

JAFFREY, NH
JAFFREY AIRFIELD SILVER RANCH (AFN)....**RNAV (GPS)-B**
RNAV (GPS)-C
VOR-A[1]
NA when local weather not available.
[1]Categories A, B, 900-2.

KEENE, NH
DILLANT/ HOPKINS (EEN)....**RNAV (GPS) Rwy 2**
NA when local weather not available.
Category A, 900-2; Category B, 1000-2; Category C, 1300-3; Category D, 1500-3.

LACONIA, NH
LACONIA MUNI (LCI)....**ILS or LOC Rwy 8[1]**
RNAV (GPS) Rwy 8[2]
RNAV (GPS) Rwy 26[2]
NA when local weather not available.
[1]LOC, Categories A, B, 1500-2; Categories C, D, 1500-3.
[2]Category C, 1700-3; Category D, 2400-3.

LAWRENCE, MA
LAWRENCE MUNI (LWM)....**ILS or LOC Rwy 5[12]**
RNAV (GPS) Rwy 5[3]
RNAV (GPS) Rwy 14[3]
RNAV (GPS) Rwy 23[3]
[1]NA when control tower closed.
[2]LOC, Category D, 1100-3.
[3]Category D, 1100-3.

LEBANON, NH
LEBANON MUNI (LEB)....**ILS or LOC Rwy 18[1]**
RNAV (GPS) Rwy 7[2]
RNAV (GPS) Rwy 18[3]
RNAV (GPS) Rwy 25[4]
RNAV (GPS) Rwy 36[3]
[1]LOC, Category A, 1100-2; Category B, 1200-2; Category C, 1300-3; Category D, 1500-3.
[2]Category A, 1100-2; Category B, 1200-2; Category C, 1300-3; Category D, 1500-3.
[3]Categories A, B, 1200-2; Category C, 1300-3; Category D, 1500-3.
[4]Category C, 1300-3; Category D, 1500-3.

NAME ALTERNATE MINIMUMS

LYNDONVILLE, VT
CALEDONIA COUNTY (CDA)....**RNAV (GPS) Rwy 2**
NA when local weather not available.
Categories A, B, 900-2.

MANCHESTER, NH
MANCHESTER BOSTON RGNL (MHT)....**ILS or LOC Rwy 6[1]**
ILS or LOC Rwy 17[1]
ILS or LOC Rwy 35[1]
RNAV (GPS) Rwy 6[3]
RNAV (GPS) Y Rwy 17[3]
RNAV (GPS) Y Rwy 35[23]
[1]LOC, Category D, 900-2¾.
[2]NA when local weather not available.
[3]Category D, 900-2¾.

MARSHFIELD, MA
MARSHFEILD MUNI-GEORGE HARLOW FLD (GHG)....**RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 24
NA when local weather not available.
Category B, 900-2.

MERIDEN, CT
MERIDEN MARKHAM MUNI (MMK)....**RNAV (GPS) Rwy 36[1]**
VOR Rwy 36[2]
[1]NA when local weather not available.
[2]Categories A, B, 1000-2.

MILLINOCKET, ME
MILLINOCKET MUNI (MLT)....**RNAV (GPS) Rwy 11[12]**
RNAV (GPS) Rwy 29[13]
VOR Rwy 29[13]
[1]NA when local weather not available.
[2]Category D, 800-2¼.
[3]Category D, 1000-3.

MORRISVILLE, VT
MORRISVILLE-STOWE STATE (MVL)....**RNAV (GPS) Y Rwy 19[1]**
RNAV (GPS) Z Rwy 19[2]
RNAV (GPS)-A[3]
NA when local weather not available.
[1]Categories A, B, 1500-2; Category C, 1500-3.
[2]Categories A, B, 1100-2½; Category C, 1300-3.
[3]Category A, 900-2; Category B, 1100-2; Category C, 1300-3.

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NAME ALTERNATE MINIMUMS

NANTUCKET, MA

NANTUCKET MEML (ACK)……**ILS or LOC Rwy 6**[12]
ILS or LOC Rwy 24[12]
RNAV (GPS) Rwy 6[3]
RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 24[3]
RNAV (GPS) Rwy 33[4]
VOR Rwy 24[3]

NA when local weather not available.
[1]NA when control tower closed.
[2]ILS, Category C, 700-2; Category D, 700-2¼; LOC, Category D, 800-2¼.
[3]Category D, 800-2¼.
[4]Category D, 1000-3.

NASHUA, NH

BOIRE FLD (ASH)……**ILS or LOC Rwy 14**[12]
RNAV (GPS) Rwy 14[3]
RNAV (GPS) Rwy 32[3]

NA when local weather not available.
[1]NA when control tower closed.
[2]LOC, Category D, 800-2½.
[3]Category D, 800-2½.

NEW BEDFORD, MA

NEW BEDFORD RGNL (EWB)……**ILS or LOC Rwy 5**[1]
LOC BC Rwy 23[2]
RNAV (GPS) Rwy 5[2]
RNAV (GPS) Rwy 14[3]
RNAV (GPS) Rwy 23[2]
RNAV (GPS) Rwy 32[34]

[1]ILS, LOC, Category D, 900-3.
[2]Category D, 900-3.
[3]NA when local weather not available.
[4]Categories A, B, 900-2; Categories C, D, 900-2½.

NEW HAVEN, CT

TWEED/NEW HAVEN (HVN)……**ILS or LOC Rwy 2**[12]
RNAV (GPS) Rwy 2[3]
RNAV (GPS) Rwy 20[3]

NA when local weather not available.
[1]NA when control tower closed.
[2]LOC, Category C, 800-2¼; Category D, 900-2¾.
[3]Category C, 800-2¼; Category D, 900-2¾.

NEWPORT, RI

NEWPORT STATE (UUU)……**RNAV (GPS) Rwy 16**
VOR/DME Rwy 16

NA when local weather not available.

NEWPORT, VT

NORTHEAST KINGDOM INTL (EFK)……**RNAV (GPS) Rwy 36**

NA when local weather not available.
Category C, 1100-3.

NAME ALTERNATE MINIMUMS

NORTH ADAMS, MA

HARRIMAN-AND-WEST (AQW)……**RNAV (GPS)-A**[1]
RNAV (GPS)-B[2]

[1]Categories A, B, 2100-2; Category C, 2200-3.
[2]Category B, 2700-2; Category C, 2700-3.

NORTH KINGSTOWN, RI

QUONSET STATE (OQU)……**ILS or LOC Rwy 16**[12]
RNAV (GPS) Rwy 16[3]
RNAV (GPS) Rwy 34[3]
VOR-A[3]

[1]NA when control tower closed.
[2]ILS, LOC, Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.
[3]Cateogry D, 900-2¾.

NORWOOD, MA

NORWOOD MEML (OWD)……**LOC Rwy 35**
RNAV (GPS) Rwy 35

Categories C, D, 1200-3.

ORANGE, MA

ORANGE MUNI (ORE)……**RNAV (GPS) Rwy 32**
VOR-A[1]

NA when local weather not available.
[1]Categories A, B, 1000-2; Category C, 1100-3; Category D, 1200-3.

OXFORD, CT

WATERBURY-OXFORD (OXC)……**RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36

Category D, 800-2¼.

PAWTUCKET, RI

NORTH CENTRAL STATE (SFZ)……**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23
VOR-A
VOR-B

NA when local weather not available.

PITTSFIELD, MA

PITTSFIELD MUNI (PSF)……**LOC Rwy 26**[1]
RNAV (GPS) Rwy 8[2]
RNAV (GPS) Rwy 26[3]

NA when local weather not available.
[1]Category B, 1000-2; Category C, 1300-3; Category D, 1500-3.
[2]Categories A, B, 1000-2½; Category C, 1300-3; Category D, 1500-3.
[3]Categories A, B, 1100-2; Category C, 1300-3; Category D, 1500-3.

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NAME ALTERNATE MINIMUMS

PLYMOUTH, MA

PLYMOUTH
MUNI (PYM)……....……..**ILS or LOC Rwy 6**
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 24
RNAV (GPS) Rwy 33
NA when local weather not available.

PORTLAND, ME

PORTLAND INTL
JETPORT (PWM)……..**ILS or LOC Rwy 11[15]**
ILS or LOC Rwy 29[13]
RNAV (GPS) Rwy 11[4]
RNAV (GPS) Rwy 18[4]
RNAV (GPS) Rwy 29[4]
RNAV (GPS) Rwy 36[24]
[1]NA when approach control closed.
[2]NA when local weather not available.
[3]ILS, Category C, 700-2; Category D, 800-2½.
LOC, Category D, 800-2½.
[4]Category D, 800-2½.
[5]ILS, Categories A, B, C, 700-2; Category D, 800-2½. LOC, Category D, 800-2½.

PORTSMOUTH, NH

PORTSMOUTH INTL AT
PEASE (PSM)..……**ILS or LOC Rwy 16[12]**
ILS or LOC Rwy 34[2]
RNAV (GPS) Rwy 16[13]
RNAV (GPS) Rwy 34[13]
[1]NA when local weather not available.
[2]LOC, Category D, 800-2¼; Category E, 800-2½.
[3]Category D, 800-2¼; Category E, 800-2½.

PRESQUE ISLE, ME

PRESQUE ISLE
INTL (PQI)……..... **ILS or LOC Rwy 1[12]**
RNAV (GPS) Rwy 1[3]
RNAV (GPS) Rwy 19[3]
RNAV (GPS) Rwy 28[3]
VOR Rwy 19[3]
[1]NA when local weather not available.
[2]LOC, Category C, 800-2¼; Category D, 900-2¾.
[3]Category C, 800-2¼; Category D, 900-2¾.

NAME ALTERNATE MINIMUMS

PROVIDENCE, RI

RHODE ISLAND TF GREEN
INTL (PVD)..……**ILS or LOC Rwy 5[1]**
ILS or LOC Rwy 23[2]
ILS or LOC Rwy 34[13]
RNAV (GPS) Rwy 5[4]
RNAV (GPS) Rwy 16[4]
RNAV (GPS) Rwy 34[4]
RNAV (GPS) Y Rwy 23[4]
VOR Rwy 5[4]
VOR/DME Rwy 16[4]
VOR/DME Rwy 23[4]
VOR Y Rwy 34[4]
VOR Z Rwy 34[4]
[1]ILS, LOC, Category D, 900-2½.
[2]LOC, Category D, 900-2½.
[3]NA when control tower closed.
[4]Category D, 900-2½.

PROVINCETOWN, MA

PROVINCETOWN
MUNI (PVC)...……..**NDB Rwy 25**
RNAV (GPS) RWY 7
RNAV (GPS) RWY 25
NA when local weather not available.

RANGELEY, ME

STEPHEN A BEAN
MUNI (8B0)….....….**RNAV (GPS)-D**
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32[1]
NA when local weather not available.
[1]Categories A, B, 900-2; Category C, 900-2½.

ROCHESTER, NH

SKYHAVEN (DAW)...……..**NDB Rwy 33**
RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33
NA when local weather not available.

ROCKLAND, ME

KNOX COUNTY
RGNL (RKD)...……..**ILS or LOC Rwy 13[12]**
RNAV (GPS) Rwy 3[3]
RNAV (GPS) Rwy 13[3]
RNAV (GPS) Rwy 31[13]
[1]NA when local weather not available.
[2]ILS, Category C, 700-2; Category D, 1100-3;
LOC, Category D, 1100-3.
[3]Category D, 1100-3.

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NAME ALTERNATE MINIMUMS

RUTLAND, VT

RUTLAND/SOUTHERN VERMONT
RGNL (RUT).....**ILS Y or LOC Y Rwy 19[1]**
ILS Z or LOC Z Rwy 19[2]
RNAV (GPS) Rwy 1[34]
RNAV (GPS) Y Rwy 19[5]
RNAV (GPS) Z Rwy 19[5]

[1]ILS, Categories A, B, C, D, 1400-5; LOC, Categories A, B, 1400-2; Category C, 1800-3; Category D, 2000-3.
[2]ILS, Categories A, B, C, D, 700-2; LOC, Categories A, B, 1400-2; Category C, 1800-3; Category D, 2000-3.
[3]NA when local weather not available
[4]Categories A, B, 2400-2; Categories C, D, 2400-3.
[5]Categories A, B, C, 1800-5.

SANFORD, ME

SANFORD SEACOAST
RGNL (SFM).....**RNAV (GPS) Rwy 7**
RNAV (GPS) Rwy 25
RNAV (GPS) Rwy 32
VOR Rwy 25

NA when local weather not available.
Category C, 1000-2¾; Category D, 1000-3.

SPRINGFIELD, VT

HARTNESS STATE
(SPRINGFIELD) (VSF).....**RNAV (GPS) Rwy 5**
Categories A, B, 1300-2; Categories C, D, 2100-3.
NA when local weather not available.

TAUNTON, MA

TAUNTON MUNI - KING
FLD (TAN).....**RNAV (GPS) Rwy 12**
NA when local weather not available.
Category D, 800-2¼.

VINEYARD HAVEN, MA

MARTHA'S
VINEYARD (MVY).....**ILS or LOC Rwy 24[1]**
RNAV (GPS) Rwy 6[2]
RNAV (GPS) Rwy 15[23]
RNAV (GPS) Rwy 24[23]
RNAV (GPS) Rwy 33[2]
VOR Rwy 6[2]

[1]ILS, LOC, Category D, 800-2¼.
[2]NA when local weather not available.
[3]Category D, 800-2¼.

WATERVILLE, ME

WATERVILLE ROBERT
LAFLEUR (WVL).....**ILS or LOC/DME Rwy 5[1]**
RNAV (GPS) Rwy 5[2]
RNAV (GPS) Rwy 23[2]

NA when local weather not available.
[1]LOC, Category C, 800-2¼; Category D, 800-2½.
[2]Category C, 800-2¼; Category D, 800-2½.

NAME ALTERNATE MINIMUMS

WESTFIELD/SPRINGFIELD, MA

WESTFIELD-
BARNES RGNL (BAF).....**ILS or LOC Rwy 20[12]**
RNAV (GPS) Rwy 2[3]
RNAV (GPS) Rwy 20[4]
VOR or TACAN Rwy 2[4]
VOR Rwy 20[4]

NA when local weather not available.
[1]NA when tower closed.
[2]LOC, Categories, A, B, 1000-2; Category C, 1000-3; Categories D, E, 1400-3.
[3]Categories A, B, 1100-2; Category C,1100-3; Categories D, E, 1400-3.
[4]Categories A, B, 900-2; Category C, 900-2¾; Categories D, E, 1400-3.

WHITEFIELD, NH

MOUNT WASHINGTON
RGNL (HIE).....**RNAV (GPS) Y Rwy 10[1]**
RNAV (GPS) Z Rwy 10

NA when local weather not available.
[1]Categories A, B, 900-2; Category C, 900-2¾.

WILLIMANTIC, CT

WINDHAM (IJD).....**RNAV (GPS) Rwy 9[1]**
RNAV (GPS) Rwy 27[1]
VOR-A

Category C, 900-2½.
[1]NA when local weather not available.

WINDSOR LOCKS, CT

BRADLEY
INTL (BDL).....**ILS or LOC Rwy 6[1]**
ILS or LOC Rwy 24[2]
ILS or LOC Rwy 33[2]
RNAV (GPS) Rwy 15[3]
RNAV (GPS) Rwy 33[4]
RNAV (GPS) Y Rwy 6[4]
RNAV (GPS) Y Rwy 24[4]

[1]LOC, Categories A, B, 1000-2; Categories C, D, 1000-2½.
[2]LOC, Category C, 1000-2¾; Category D, 1100-3.
[3]Categories A, B, 900-2½; Category C, 1000-2¾.
[4]Category C, 1000-2¾; Category D, 1100-3.

WISCASSET, ME

WISCASSET (IWI).....**RNAV (GPS) Rwy 7**
RNAV (GPS) Rwy 25

NA when local weather not available.

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NAME	ALTERNATE MINIMUMS	NAME	ALTERNATE MINIMUMS
WORCESTER, MA			
WORCESTER RGNL (ORH).....	**ILS or LOC Rwy 11[123]**		
	ILS or LOC Rwy 29[123]		
	RNAV (GPS) Rwy 11[4]		
	RNAV (GPS) Rwy 29[4]		
	RNAV (GPS) Rwy 33[14]		
	VOR/DME Rwy 33[14]		

[1]NA when local weather not available.
[2]NA when control tower closed.
[3]LOC, Categories C, D, 1000-3.
[4]Categories C, D, 1000-3.

IFR TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude, and/or airports that have civil IFR takeoff minimums other than standard, are listed below. Takeoff Minimums and Departure Procedures apply to all runways unless otherwise specified. An entry may also be listed that contains only Takeoff Obstacle Notes. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are textually described below, or published separately as a graphic procedure. If the ODP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or the applicable military volume, as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not specifically assigned an ODP, SID, or RADAR vector as part of an IFR clearance, an ODP may be required to be flown for obstacle clearance, even though not specifically stated in the IFR clearance. When doing so in this manner, ATC should be informed when the ODP being used contains a specified route to be flown, restrictions before turning, and/or altitude restrictions.

Some ODPs, which are established solely for obstacle avoidance, require a climb in visual conditions to cross the airport, a fix, or a NAVAID in a specified direction, at or above a specified altitude. These procedures are called Visual Climb Over Airport (VCOA). To ensure safe and efficient operations, the pilot must verbally request approval from ATC to fly the VCOA when requesting their IFR clearance.

At some locations where an ODP has been established, a diverse vector area (DVA) may be created to allow RADAR vectors to be used in lieu of an ODP. DVA information will state that headings will be as assigned by ATC and climb gradients, when applicable, will be published immediately following the specified departure procedure.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard takeoff rules and establishes takeoff minimums for certain operators as follows: (1) For aircraft, other than helicopters, having two engines or less – one statute mile visibility. (2) For aircraft having more than two engines – one-half statute mile visibility. (3) For helicopters – one-half statute mile visibility. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) takeoff minima are published below. For military takeoff minima, refer to appropriate service directives.

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AUBURN/LEWISTON, ME

AUBURN/LEWISTON MUNI (LEW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 08SEP22 (22251) (FAA)

TAKEOFF MINIMUMS:

Rwy 17, 300-2¼ or std. w/min. climb of 220’ per NM to 700.

Rwy 22, 300-1⅛ or std. w/min. climb of 320’ per NM to 500.

DEPARTURE PROCEDURE:

Rwy 17, climb on heading 165° to 900 before turning left.

Rwy 22, climb on heading 221° to 2100 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 4, pole 101’ from DER, 386’ left of centerline, 23’ AGL/277’ MSL.
Pole 145’ from DER, 479’ left of centerline, 30’ AGL/279’ MSL.
Tree 297’ from DER, 519’ right of centerline, 68’ AGL/329’ MSL.
Tree 540’ from DER, 491’ left of centerline, 69’ AGL/311’ MSL.
Tree 749’ from DER, 547’ left of centerline, 74’ AGL/314’ MSL.
Tree 753’ from DER, 389’ right of centerline, 68’ AGL/335’ MSL.
Trees beginning 762’ from DER, 321’ left of centerline, up to 75’ AGL/319’ MSL.
Tree, pole beginning 1273’ from DER, 347’ right of centerline, up to 81’ AGL/385’ MSL.
Trees beginning 1535’ from DER, 194’ right of centerline, up to 77’ AGL/386’ MSL.
Tree 1598’ from DER, 277’ left of centerline, 77’ AGL/323’ MSL.

Rwy 17, trees beginning 170’ from DER, 390’ right of centerline, up to 60’ AGL/399’ MSL.
Traverse way 531’ from DER, 156’ left of centerline, 305’ MSL.
Tree 574’ from DER, 174’ left of centerline, 33’ AGL/322’ MSL.
Tree 1053’ from DER, 251’ left of centerline, 44’ AGL/336’ MSL.
Tree 1.6 NM from DER, 2410’ left of centerline, 60’ AGL/549’ MSL.
Trees beginning 1.7 NM from DER, 246’ left of centerline, up to 60’ AGL/579’ MSL.

CON’T

AUBURN/LEWISTON, ME (CON'T)

AUBURN/LEWISTON MUNI (CON'T)

Rwy 22, trees beginning 3000' from DER, 501' right of centerline, up to 61' AGL/363' MSL.
Terrain 3890' from DER, 811' right of centerline, 375' MSL.
Trees beginning 4228' from DER, 1109' right of centerline, up to 95' AGL/439' MSL.
Tree 4971' from DER, 614' left of centerline, 58' AGL/414' MSL.
Tree 5547' from DER, 634' right of centerline, 60' AGL/428' MSL.
Rwy 35, trees, pole beginning 105' from DER, 9' left of centerline, up to 60' AGL/307' MSL.
Trees 129' from DER, 386' right of centerline, 60' AGL/300' MSL.
Trees, pole beginning 246' from DER, 14' right of centerline, up to 60' AGL/303' MSL.
Trees, pole beginning 869' from DER, 104' right of centerline, up to 72' AGL/312' MSL.
Tree 1877' from DER, 356' left of centerline, 104' AGL/344' MSL.

AUGUSTA, ME

AUGUSTA STATE (AUG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 23FEB23 (23054) (FAA)

TAKEOFF MINIMUMS:
Rwy 8, 300-1⅛ or std. w/min. climb of 272' per NM to 600.
Rwy 17, 300-1⅛ or std. w/min. climb of 279' per NM to 600.
Rwy 26, 400-1⅞ or std. w/min. climb of 315' per NM to 700.

DEPARTURE PROCEDURE:
Rwy 26, climb on heading 260° to 800 before turning right.
Rwy 35, climb on heading 351° to 1000 before turning left.

TAKEOFF OBSTACLE NOTES:
Rwy 8, trees, fence, pole beginning 25' from DER, 48' right of centerline, up to 100' AGL/445' MSL.
Trees 117' from DER, 322' left of centerline, 100' AGL/442' MSL.
Trees beginning 310' from DER, 15' left of centerline, up to 100' AGL/445' MSL.
Tower 5173' from DER, 1866' left of centerline, 156' AGL/527' MSL.
Rwy 17, trees beginning 42' from DER, 5' right of centerline, up to 100' AGL/425' MSL.
Trees, poles, vehicle on road, building beginning 67' from DER, 51' left of centerline, up to 100' AGL/442' MSL.
Trees 3860' from DER, 1460' right of centerline, 100' AGL/448' MSL.
Trees beginning 4131' from DER, 1598' right of centerline, up to 100' AGL/481' MSL.
Rwy 26, pole 30' from DER, 258' right of centerline, 27' AGL/376' MSL.
Pole 34' from DER, 496' left of centerline, 30' AGL/379' MSL.
Trees beginning 50' from DER, 22' left of centerline, up to 100' AGL/442' MSL.
Trees beginning 100' from DER, 15' right of centerline, up to 100' AGL/442' MSL.
Trees beginning 2161' from DER, 47' left of centerline, up to 100' AGL/445' MSL.
Trees beginning 5821' from DER, 784' right of centerline, up to 100' AGL/501' MSL.
Tower 5819' from DER, 962' right of centerline, 186' AGL/573' MSL.
Tower 1.4 NM from DER, 1488' right of centerline, 180' AGL/665' MSL.
Tower 1.5 NM from DER, 1401' right of centerline, 199' AGL/658' MSL.

BANGOR, ME

BANGOR INTL (BGR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 27APR17 (17117) (FAA)

TAKEOFF OBSTACLE NOTES:
Rwy 15, tree 1694' from DER, 868' left of centerline, 56' AGL/215'MSL.
Trees beginning 2436' from DER, 1116' left of centerline, up to 89' AGL/271' MSL.
Tree 3958' from DER, 1371' left of centerline, 87' AGL/278'MSL.

BAR HARBOR, ME

HANCOCK COUNTY/BAR HARBOR (BHB)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4A 07MAR13 (21336) (FAA)

DEPARTURE PROCEDURE:
Rwy 17, climbing right turn via heading 220° to 2100 before proceeding on course.
Rwy 22, climb via heading 224° to 1100 before proceeding east or southeast bound.
Rwy 35, climb via heading 349° to 600 before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 4, road 324' from DER, 524' left of centerline, 15' AGL/79' MSL.
Multiple trees beginning 119' from DER, 231' right of centerline, up to 60' AGL/193' MSL.
Rwy 17, bush 116' from DER, 164' left of centerline, 10' AGL/47' MSL.
Tree 245' from DER, 346' right of centerline, 44' AGL/82' MSL.
Rwy 22, multiple poles and trees beginning 562' from DER, 329' left of centerline, up to 60' AGL/135' MSL.
Terrain, multiple poles and trees beginning 450' left of DER, up to 60' AGL/142' MSL.
Power lines beginning 626' from DER, 359' right of centerline, 35' AGL/103' MSL.
Rwy 35, terrain and multiple trees beginning 35' from DER, 340' left of centerline, up to 60' AGL/217' MSL.
Glideslope antenna and multiple trees beginning 657' from DER, 565' right of centerline up to 60' AGL/146' MSL.

BARRE/MONTPELIER, VT

EDWARD F KNAPP STATE (MPV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 13NOV14 (22195) (FAA)

TAKEOFF MINIMUMS:

Rwy 17, 500-2 w/min. climb of 270' per NM to 2700 or 1900-3 for climb in visual conditions.

Rwy 23, 1900-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 5, climb heading 048° to 2100 then climbing left turn to 3900 direct MPV VOR/DME before proceeding on course.

Rwy 17, climb heading 168° to 2600 then climbing left turn to 3500 direct MPVVOR/DME before proceeding on course.

Rwy 35, climbing right turn to 3900 direct MPV VOR/DME before proceeding on course.

Rwys 17, 23, obtain ATC approval for climb in visual conditions when requesting IFR clearance. Climb in visual conditions to cross Edward F Knapp state airport at or above 2900' MSL.

TAKEOFF OBSTACLE NOTES:

Rwy 5, vehicles on road beginning 0.69' from DER, crossing centerline, up to 15' AGL/1133' MSL.
Terrain 104' from DER, 253' left of centerline, up to 1089' MSL.
Trees beginning 347' from DER, crossing centerline, up to 100' AGL/1199' MSL.
Rwy 17, tower 80' from DER, 368' right of centerline, up to 41' AGL/1223' MSL.
Trees beginning 139' from DER, 409' right of centerline, up to 100' AGL/1243' MSL.
Navaid 141' from DER, up to 5' AGL/1171' MSL.
Navaid 199' from DER, up to 7' AGL/1172' MSL.
Pole 257' from DER, 165' left of centerline, up to 27' AGL/1178' MSL.
Trees 297' from DER, crossing centerline, up to 100' AGL/1193' MSL.
Trees 667' from DER, crossing centerline, up to 100' AGL/1259' MSL.
Building 1318' from DER, 254' left of centerline, up to 43' AGL/1221' MSL.
Tower 1318' from DER, 669' left of centerline, up to 38' AGL/1208' MSL.
Trees 1498' from DER, crossing centerline, up to 100' AGL/1309' MSL.
Pole 1703' from DER, 41' right of centerline, up to 33' AGL/1243' MSL.
Trees 1898' from DER, 726' right of centerline, up to 100' AGL/1387' MSL.
Pole 1970' from DER, 539' right of centerline, up to 27' AGL/1334' MSL.
Trees 2088' from DER, crossing centerline, up to 100' AGL/1384' MSL.
Trees 4872' from DER, crossing centerline, up to 100' AGL/1579' MSL.
Rwy 23, poles beginning 2' from DER, 335' left of centerline, up to 39' AGL/1167' MSL.
Fence 49' from DER, 276' left of centerline, up to 7' AGL/1127' MSL.
Tower 561' from DER, 573' left of centerline, up to 88' AGL/1215' MSL.
Building 603' from DER, 426' left of centerline, up to 37' AGL/1159' MSL.
Tower 615' from DER, 580' left of centerline, up to 68' AGL/1195' MSL.
Rod 615' from DER, 580' left of centerline, up to 60' AGL/1195' MSL.
Trees beginning 1263' from DER, crossing centerline, up to 100' AGL/1183' MSL.
Pole 2801' from DER, 702' left of centerline, up to 27' AGL/1202' MSL.
Pole 2867' from DER, 152' right of centerline, up to 55' AGL/1233' MSL.
Trees 2880' from DER, crossing centerline, up to 100' AGL/1243' MSL.
Tower 3010' from DER, 404' right of centerline, up to 36' AGL/1221' MSL.
Trees 3299' from DER, crossing centerline, up to 100' AGL/1275' MSL.
Trees 4491' from DER, crossing centerline, up to 100' AGL/1389' MSL.
Trees 4944' from DER, crossing centerline, up to 100' AGL/1459' MSL.
Trees 6298' from DER, crossing centerline, up to 100' AGL/1499' MSL.
Trees 7273' from DER, crossing centerline, up to 100' AGL/1559' MSL.
Rwy 35, bush 74' from DER, 288' left of centerline, up to 10' AGL/1097' MSL.
Building 81' from DER, 488' right of centerline, up to 6' AGL/1094' MSL.
Trees beginning 411' from DER, crossing centerline, up to 100' AGL/1132' MSL.

BEDFORD, MA

LAURENCE G HANSCOM FLD (BED)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6A 19MAY22 (22139) (FAA)

TAKEOFF MINIMUMS:

Rwy 11, 300-1 or std. w/min. climb of 258' per NM to 400.

Rwy 23, 300-1⅞ or std. w/min. climb of 439' per NM to 400.

TAKEOFF OBSTACLE NOTES:

Rwy 5, trees, vegetation, building beginning 44' from DER, 309' left of centerline, up to 30' AGL/166' MSL.
Fence 152' from DER, 248' right of centerline, 6' AGL/132' MSL.
Trees beginning 255' from DER, 84' left of centerline, up to 39' AGL/171' MSL.
Tree 857' from DER, 203' right of centerline, 31' AGL/157' MSL.
Tree 964' from DER, 113' right of centerline, 34' AGL/161' MSL.
Trees, poles beginning 1153' from DER, 386' right of centerline, up to 197' MSL.
Trees beginning 1195' from DER, 11' left of centerline, up to 46' AGL/173' MSL.
Tree 1443' from DER, 433' left of centerline, 176' MSL.
Tree 1648' from DER, 402' left of centerline, 184' MSL.
Tree 1680' from DER, 213' left of centerline, 198' MSL.
Trees, pole beginning 1681' from DER, 117' right of centerline, up to 201' MSL.
Trees beginning 1761' from DER, 57' left of centerline, up to 202' MSL.
Trees beginning 2049' from DER, 56' left of centerline, up to 210' MSL.
Trees beginning 2400' from DER, 263' right of centerline, up to 209' MSL.
Trees beginning 2475' from DER, 515' right of centerline, up to 221' MSL.
Trees beginning 2594' from DER, 133' right of centerline, up to 229' MSL.
Trees beginning 2663' from DER, 84' left of centerline, up to 91' AGL/214' MSL.
Trees beginning 2838' from DER, 10' left of centerline, up to 224' MSL.
Tree 2859' from DER, 415' right of centerline, 230' MSL.
Trees beginning 2910' from DER, 235' right of centerline, up to 231' MSL.
Trees beginning 3233' from DER, 42' left of centerline, up to 231' MSL.
Trees beginning 3328' from DER, 2' right of centerline, up to 232' MSL.
Trees beginning 3719' from DER, 7' right of centerline, up to 235' MSL.
Rwy 11, sign 81' from DER, 237' right of centerline, 7' AGL/126' MSL.
Tree 1431' from DER, 683' right of centerline, 166' MSL.
Tree 1672' from DER, 898' right of centerline, 181' MSL.
Tree 1874' from DER, 954' left of centerline, 180' MSL.
Tree 1885' from DER, 959' right of centerline, 219' MSL.
Trees, building beginning 2108' from DER, 456' right of centerline, up to 231' MSL.
Tree 2244' from DER, 266' left of centerline, 182' MSL.
Trees beginning 2311' from DER, 117' left of centerline, up to 197' MSL.
Tree 2981' from DER, 421' left of centerline, 199' MSL.
Tree 3302' from DER, 99' left of centerline, 206' MSL.
Rwy 23, sign 2' from DER, 303' right of centerline, 133' MSL.
Vehicles on road beginning 534' from DER, 4' right of centerline, up to 152' MSL.
Building 614' from DER, 620' left of centerline, 22' AGL/151' MSL.
Tree 855' from DER, 696' left of centerline, 166' MSL.
Terrain 982' from DER, 338' right of centerline, 162' MSL.
Pole, tree beginning 1052' from DER, 378' left of centerline, up to 41' AGL/180' MSL.
Trees, pole beginning 1090' from DER, 558' left of centerline, up to 188' MSL.
Tree, pole beginning 1241' from DER, 573' left of centerline, up to 48' AGL/197' MSL.
Tree 1281' from DER, 741' left of centerline, 221' MSL.
Trees beginning 1420' from DER, 138' right of centerline, up to 232' MSL.
Trees, building beginning 1588' from DER, 88' left of centerline, up to 259' MSL.
Trees beginning 2149' from DER, 545' left of centerline, up to 268' MSL.
Trees beginning 2464' from DER, 523' left of centerline, up to 277' MSL.
Trees beginning 2830' from DER, 659' left of centerline, up to 283' MSL.
Trees, building beginning 3549' from DER, 261' left of centerline, up to 286' MSL.
Trees beginning 3813' from DER, 301' left of centerline, up to 292' MSL.
Tree 4089' from DER, 39' right of centerline, 236' MSL.
Trees beginning 4164' from DER, 131' left of centerline, up to 302' MSL.
Tree 4443' from DER, 89' right of centerline, 244' MSL.
Tree 4549' from DER, 810' right of centerline, 252' MSL.
Trees beginning 4588' from DER, 45' right of centerline, up to 260' MSL.
Tree 4902' from DER, 912' right of centerline, 262' MSL.
Tree 4904' from DER, 602' right of centerline, 264' MSL.
Trees beginning 5089' from DER, 686' right of centerline, up to 272' MSL.
Tree 5381' from DER, 1368' right of centerline, 276' MSL.
Trees beginning 5387' from DER, 384' right of centerline, up to 291' MSL.
Trees beginning 5392' from DER, 176' left of centerline, up to 308' MSL.
Tree 5571' from DER, 1263' right of centerline, 294' MSL.
Trees beginning 5664' from DER, 46' left of centerline, up to 310' MSL.
Trees, building beginning 5719' from DER, 246' right of centerline, up to 310' MSL.
Trees beginning 5912' from DER, 393' left of centerline, up to 319' MSL.
Trees, buildings beginning 5990' from DER, 174' right of centerline, up to 326' MSL.
Trees beginning 6045' from DER, 99' left of centerline, up to 321' MSL.
Trees, building beginning 1 NM from DER, 49' left of centerline, up to 363' MSL.

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BEDFORD, MA (CON'T)

LAURENCE G HANSCOM FLD (BED) (CON'T)

Rwy 23 (CON'T), trees, building beginning 1 NM from DER, 40' right of centerline, up to 339' MSL.
Tree, building beginning 1 NM from DER, 306' right of centerline, up to 345' MSL.
Trees, buildings beginning 1 NM from DER, 6' right of centerline, up to 361' MSL.
Trees, buildings, tower beginning 1 NM from DER, 69' left of centerline, up to 70' AGL/364' MSL.
Trees beginning 1.1 NM from DER, 94' left of centerline, up to 373' MSL.
Trees beginning 1.4 NM from DER, 741' left of centerline, up to 81' AGL/379' MSL.
Tree 1.5 NM from DER, 509' left of centerline, 366' MSL.
Rwy 29, sign 12' from DER, 274' right of centerline, 8' AGL/135' MSL.
Tree 391' from DER, 487' left of centerline, 20' AGL/153' MSL.
Poles, trees beginning 1109' from DER, 4' left of centerline, up to 22' AGL/240' MSL.
Tree 1207' from DER, 776' right of centerline, 182' MSL.
Tree 1735' from DER, 887' right of centerline, 183' MSL.
Tree 2571' from DER, 899' right of centerline, 200' MSL.
Trees beginning 2678' from DER, 50' right of centerline, up to 106' AGL/243' MSL.
Trees beginning 4126' from DER, 229' right of centerline, up to 62' AGL/246' MSL.

BELFAST, ME

BELFAST MUNI (BST)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 10MAY07 (07130) (FAA)

TAKEOFF MINIMUMS:
Rwy 33, 300-1¾ or std. with a min. climb of 219' per NM to 600.

DEPARTURE PROCEDURE:
Rwy 15, climb heading 136° to 900 before turning south.

TAKEOFF OBSTACLE NOTES:
Rwy 33, light pole 1955' from DER, 510' left of centerline, 100' AGL/297' MSL.
Multiple trees beginning 1.4 NM from DER, 1682' left of centerline, up to 80' AGL/429' MSL.

BENNINGTON, VT

WILLIAM H. MORSE STATE (DDH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 31MAY12 (12152) (FAA)

TAKEOFF MINIMUMS:
Rwy 13, std. w/min. climb of 645' per NM to 4000 or 2600-3 for climb in visual conditions .
Rwy 31, 400-1 w/ min. climb of 300' per NM to 4200 or 2600-3 for climb in visual conditions.

DEPARTURE PROCEDURE:
Rwy 13, climbing left turn direct CAM VOR/DME, continue climb-in-hold (North, right turns, 160° inbound) to 4400 before proceeding on course or...
Rwy 31, climbing right turn direct CAM VOR/DME, continue climb-in-hold (North, right turns, 160° inbound) to 4400 before proceeding on course or...
... For climb in visual conditions: cross William H. Morse State Airport at or above 3300 before proceeding on course. When executing VCOA, notify ATC prior to departure.

TAKEOFF OBSTACLE NOTES:
Rwy 13, rising terrain beginning 100' from DER, right to left of centerline, up to 868' MSL.
Poles beginning 195' from DER, 229' right of centerline, up to 30' AGL/858' MSL.
Trees beginning 358' from DER, left and right of centerline, up to 95' AGL/1279' MSL.
Rwy 31, multiple trees beginning 116' from DER, right and left of centerline, up to 95' AGL/1139' MSL.

BERLIN, NH

BERLIN RGNL (BML)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 19MAY22 (22139) (FAA)

TAKEOFF MINIMUMS:
Rwy 18, 300-1¼ w/min. climb of 380' per NM to 7700 or std. w/min. climb of 447' per NM to 6700 or 3400-3 or VCOA.
Rwy 36, std. w/min. climb of 311' per NM to 4200 or 3400-3 for VCOA.

DEPARTURE PROCEDURE:
Rwy 18, climbing on heading 175° to 4200 before proceeding on course.
Rwy 36, climbing on heading 355° to 3900 before proceeding on course.

VCOA:
Rwys 18, 36, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Berlin Rgnl airport at or above 4400 before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 18, trees beginning 19' from DER, 190' right of centerline, up to 56' AGL/1158' MSL.
Utility lines 44' from DER, 361' left of centerline, 16' AGL/1143' MSL.
Tree 73' from DER, 411' left of centerline, 28' AGL/1156' MSL.
Tree 189' from DER, 471' right of centerline, 80' AGL/1173' MSL.
Trees beginning 297' from DER, 18' right of centerline, up to 91' AGL/1191' MSL.
Tree 732' from DER, 578' left of centerline, 70' AGL/1189' MSL.
Trees beginning 832' from DER, 119' left of centerline, up to 74' AGL/1192' MSL.
Trees beginning 886' from DER, 73' left of centerline, up to 78' AGL/1196' MSL.
CON'T

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BERLIN, NH (CON'T)

BERLIN RGNL (BML) (CON'T)

Rwy 18 (CON'T), tree 1987' from DER, 220' left of centerline, 79' AGL/1218' MSL.
Tree 2030' from DER, 327' right of centerline, 58' AGL/1192' MSL.
Trees beginning 2141' from DER, 278' right of centerline, up to 86' AGL/1216' MSL.
Tree 2416' from DER, 226' left of centerline, 60' AGL/1221' MSL.
Trees beginning 2542' from DER, 3' left of centerline, up to 85' AGL/1237' MSL.
Tree 3061' from DER, 193' right of centerline, 83' AGL/1227' MSL.
Tree 3176' from DER, 333' right of centerline, 100' AGL/1243' MSL.
Trees beginning 3281' from DER, 25' left of centerline, up to 72' AGL/1261' MSL.
Tree 3778' from DER, 175' right of centerline, 58' AGL/1267' MSL.
Tree 3953' from DER, 449' right of centerline, 42' AGL/1302' MSL.
Tree 4057' from DER, 28' left of centerline, 58' AGL/1281' MSL.
Tree 4326' from DER, 461' left of centerline, 60' AGL/1287' MSL.
Tree 4380' from DER, 381' right of centerline, 56' AGL/1340' MSL.
Tower, trees beginning 4455' from DER, 58' right of centerline, up to 59' AGL/1379' MSL.
Tree 4707' from DER, 26' left of centerline, 81' AGL/1326' MSL.
Trees beginning 4894' from DER, 8' left of centerline, up to 80' AGL/1334' MSL.
Trees beginning 5004' from DER, 208' right of centerline, up to 50' AGL/1388' MSL.
Tree 5111' from DER, 260' left of centerline, 91' AGL/1337' MSL.
Trees beginning 5175' from DER, 134' right of centerline, up to 76' AGL/1391' MSL.
Trees beginning 5264' from DER, 78' left of centerline, up to 98' AGL/1365' MSL.
Trees beginning 5302' from DER, 18' right of centerline, up to 83' AGL/1393' MSL.
Rwy 36, trees beginning 9' from DER, 153' left of centerline, up to 33' AGL/1193' MSL.
Trees beginning 27' from DER, 114' right of centerline, up to 73' AGL/1209' MSL.
Trees beginning 149' from DER, 122' left of centerline, up to 54' AGL/1212' MSL.
Tree 1069' from DER, 680' left of centerline, 80' AGL/1222' MSL.
Trees beginning 1071' from DER, 350' left of centerline, up to 80' AGL/1224' MSL.
Trees beginning 2350' from DER, 436' right of centerline, up to 80' AGL/1298' MSL.
Trees beginning 1.5 NM from DER, 1451' right of centerline, up to 89' AGL/1415' MSL.
Trees beginning 2.3 NM from DER, 3911' right of centerline, up to 1639' MSL.

BETHEL, ME

BETHEL RGNL (0B1)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 20JUN19 (19171) (FAA)

TAKEOFF MINIMUMS:
Rwy 14, std. w/min. climb of 405' per NM to 3700 or 3400-3 for climb in visual conditions.
Rwy 32, 3400-3 for climb in visual conditions.

DEPARTURE PROCEDURE:
Rwy 14, climb heading 143° to 3000 before proceeding on course.

VCOA:
Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Bethel Rgnl airport at or above 3900 before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 14, trees beginning 1' from DER, 264' left of centerline, up to 676' MSL.
Building 23' from DER, 367' right of centerline, 26' AGL/671' MSL.
Transmission line and pole beginning 180' from DER, 513' right of centerline, up to 48' AGL/690' MSL.
Trees beginning 202' from DER, 283' left of centerline, up to 731' MSL.
Tree 292' from DER, 527' right of centerline, 766' MSL.
Trees beginning 419' from DER, 18' right of centerline, up to 769' MSL.
Tree 556' from DER, 538' left of centerline, 733' MSL.
Trees beginning 717' from DER, 252' left of centerline, up to 736' MSL.
Tree 1194' from DER, 729' left of centerline, 743' MSL.
Tree 1273' from DER, 519' left of centerline, 744' MSL.
Trees and building beginning 1322' from DER, 10' left of centerline, up to 765' MSL.
Tree 1.2 NM from DER, 2402' right of centerline, 860' MSL.
Tree 1.3 NM from DER, 2738' right of centerline, 869' MSL.
Tree 1.4 NM from DER, 2309' right of centerline, 871' MSL.
Tree 1.4 NM from DER, 2421' right of centerline, 877' MSL.
Trees beginning 1.4 NM from DER, 2440' right of centerline, up to 882' MSL.
Tree 1.4 NM from DER, 2657' right of centerline, 885' MSL.
Tree 1.4 NM from DER, 2497' right of centerline, 887' MSL.
Tree 1.5 NM from DER, 2635' right of centerline, 891' MSL.
Tree 1.5 NM from DER, 2714' right of centerline, 894' MSL.
Tree 1.6 NM from DER, 2969' right of centerline, 909' MSL.
Tree 1.7 NM from DER, 3141' right of centerline, 926' MSL.
Trees beginning 1.7 NM from DER, 3098' right of centerline, up to 942' MSL.
Tree 1.8 nm from DER, 3343' right of centerline, 948' MSL.
Trees beginning 1.8 NM from DER, 3392' right of centerline, up to 956' MSL.
Tree 1.9 NM from DER, 3580' right of centerline, 962' MSL.
Tree 1.9 NM from DER, 3667' right of centerline, 985' MSL.
Rwy 32, tree 75' from DER, 311' left of centerline, 746' MSL.
Trees beginning 90' from DER, 10' left of centerline, up to 769' MSL.
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BETHEL, ME (CON'T)

BETHEL RGNL (0B1) (CON'T)

Rwy 32 (CON'T), trees beginning 464' from DER, 463' right of centerline, up to 725' MSL.
Tree 783' from DER, 565' right of centerline, 730' MSL.
Trees beginning 935' from DER, 235' right of centerline, up to 734' MSL.
Trees beginning 1145' from DER, 250' right of centerline, up to 736' MSL.
Trees beginning 1252' from DER, 328' right of centerline, up to 737' MSL.
Trees beginning 1454' from DER, 110' right of centerline, up to 739' MSL.
Trees beginning 1501' from DER, 70' right of centerline, up to 750' MSL.
Trees beginning 1605' from DER, 61' right of centerline, up to 756' MSL.
Trees beginning 1834' from DER, 31' right of centerline, up to 759' MSL.
Trees beginning 3615' from DER, 328' left of centerline, up to 800' MSL.
Trees beginning 3945' from DER, 96' left of centerline, up to 805' MSL.
Trees beginning 4062' from DER, 140' right of centerline, up to 784' MSL.
Tree 4191' from DER, 166' right of centerline, 787' MSL.
Trees beginning 4225' from DER, 115' left of centerline, up to 837' MSL.
Tree 4236' from DER, 1621' right of centerline, 791' MSL.
Trees beginning 4351' from DER, 20' right of centerline, up to 807' MSL.
Tree 4466' from DER, 232' right of centerline, 813' MSL.
Tree 4471' from DER, 472' right of centerline, 821' MSL.
Tree 4673' from DER, 480' left of centerline, 848' MSL.
Trees beginning 4677' from DER, 121' left of centerline, up to 868' MSL.
Trees beginning 4721' from DER, 78' right of centerline, up to 829' MSL.
Tree 5059' from DER, 654' left of centerline, 891' MSL.
Trees beginning 5069' from DER, 140' right of centerline, up to 848' MSL.
Trees beginning 5121' from DER, 391' left of centerline, up to 895' MSL.
Trees beginning 5153' from DER, 271' right of centerline, up to 870' MSL.
Trees beginning 5389' from DER, 60' right of centerline, up to 907' MSL.
Trees beginning 5411' from DER, 217' left of centerline, up to 924' MSL.
Trees beginning 5456' from DER, 533' left of centerline, up to 937' MSL.
Trees beginning 5651' from DER, 197' left of centerline, up to 938' MSL.
Trees beginning 5722' from DER, 350' left of centerline, up to 941' MSL.
Tree 5756' from DER, 295' right of centerline, 908' MSL.
Tree 5823' from DER, 1929' right of centerline, 909' MSL.
Trees beginning 5857' from DER, 150' right of centerline, up to 938' MSL.
Tree 5908' from DER, 278' left of centerline, 967' MSL.
Trees beginning 5962' from DER, 31' left of centerline, up to 981' MSL.
Tree 5999' from DER, 10' right of centerline, 951' MSL.
Tree 1 NM from DER, 372' left of centerline, 1004' MSL.
Tree 1 NM from DER, 786' left of centerline, 1010' MSL.
Trees beginning 1 NM from DER, 60' left of centerline, up to 1021' MSL.
Trees beginning 1 NM from DER, 825' right of centerline, up to 984' MSL.
Tree 1.1 NM from DER, 1254' right of centerline, 988' MSL.
Trees beginning 1.1 NM from DER, 390' left of centerline, up to 1073' MSL.
Tree 1.1 NM from DER, 252' right of centerline, 1023' MSL.
Trees beginning 1.1 NM from DER, 784' right of centerline, up to 1045' MSL.
Tree 1.1 NM from DER, 1718' right of centerline, 1047' MSL.
Trees beginning 1.1 NM from DER, 112' left of centerline, up to 1131' MSL.
Tree 1.2 NM from DER, 1400' right of centerline, 1133' MSL.
Trees beginning 1.2 NM from DER, 160' right of centerline, up to 1179' MSL.
Tree 1.2 nm from DER, 2150' right of centerline, 1213' MSL.
Tree 1.2 NM from DER, 2584' right of centerline, 1238' MSL.
Trees beginning 1.3 NM from DER, 281' left of centerline, up to 1136' MSL.
Tree 1.3 NM from DER, 1633' right of centerline, 1322' MSL.
Tree 1.3 NM from DER, 1010' right of centerline, 1374' MSL.
Trees beginning 1.3 NM from DER, 468' right of centerline, up to 1505' MSL.
Tree 1.3 NM from DER, 821' left of centerline, 1165' MSL.
Trees beginning 1.3 NM from DER, 22' left of centerline, up to 1263' MSL.
Tree 1.4 NM from DER, 2307' right of centerline, 1782' MSL.
Trees beginning 1.4 nm from DER, 320' right of centerline, up to 1788' MSL.
Trees beginning 1.4 NM from DER, 17' left of centerline, up to 1344' MSL.
Trees beginning 1.4 NM from DER, 820' right of centerline, up to 1791' MSL.
Trees beginning 1.5 NM from DER, 182' right of centerline, up to 1840' MSL.
Trees beginning 2 NM from DER, 886' left of centerline, up to 1432' MSL.
Trees beginning 2.1 NM from DER, 243' left of centerline, up to 1618' MSL.
Trees and vehicles on road beginning 2.1 NM from DER, 999' left of centerline, up to 1637' MSL.
Tree Trees beginning 2.2 NM from DER, 188' right of centerline, up to 1914' MSL.
Trees beginning 2.2 NM from DER, 420' left of centerline, up to 1902' MSL.
Trees beginning 2.3 NM from DER, 35' left of centerline, up to 1937' MSL.
Trees beginning 2.3 NM from DER, 588' right of centerline, up to 2106' MSL.
Trees beginning 2.4 NM from DER, 1510' right of centerline, up to 2248' MSL.
Trees beginning 2.4 NM from DER, 880' right of centerline, up to 2269' MSL.
Trees beginning 2.5 NM from DER, 1659' right of centerline, up to 2373' MSL.
Trees beginning 2.5 NM from DER, 2081' right of centerline, up to 2397' MSL.
Trees beginning 2.5 NM from DER, 462' right of centerline, up to 2431' MSL.
Trees beginning 2.5 NM from DER, 782' right of centerline, up to 2488' MSL.

BEVERLY, MA

BEVERLY RGNL (BVY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3B 01MAR18 (18060) (FAA)

DEPARTURE PROCEDURE:

Rwy 27, climb heading 270° to 700 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 9, bush 15' from DER, 407' right of centerline, 55' AGL/119' MSL.
Bush beginning 76' from DER, 377' right of centerline, up to 50' AGL/120' MSL.
Tree 127' from DER, 247' left of centerline, 29' AGL/112' MSL.
Bush beginning 135' from DER, 248' left of centerline, up to 27' AGL/103' MSL.
Bush 228' from DER, 532' left of centerline, 59' AGL/125' MSL.
Bush 273' from DER, 515' left of centerline, 73' AGL/138' MSL.
trees beginning 303' from DER, 227' right of centerline, up to 19' AGL/106' MSL.
Bush beginning 390' from DER, 113' right of centerline, up to 23' AGL/104' MSL.
Tree 520' from DER, 342' left of centerline, 77' AGL/138' MSL.
Bush beginning 552' from DER, 22' right of centerline, up to 45' AGL/108' MSL.
Tree 997' from DER, 394' right of centerline, 84' AGL/133' MSL.
Bush 1046' from DER, 141' left of centerline, 81' AGL/130' MSL.
Tree 1064' from DER, 539' right of centerline, 86' AGL/134' MSL.
Tree 1070' from DER, 619' left of centerline, 90' AGL/149' MSL.
Bush beginning 1077' from DER, 43' right of centerline, up to 84' AGL/138' MSL.
Tree 1176' from DER, 414' left of centerline, 99' AGL/155' MSL.
Bush beginning 1184' from DER, 252' left of centerline, up to 76' AGL/130' MSL.
Tree 1204' from DER, 385' right of centerline, 78' AGL/126' MSL.
Bush beginning 1301' from DER, 61' left of centerline, up to 81' AGL/131' MSL.
Bush 2414' from DER, 1027' left of centerline, 94' AGL/188' MSL.
Bush beginning 2438' from DER, 822' left of centerline, up to 106' AGL/197' MSL.
Trees beginning 2538' from DER, 633' left of centerline, up to 93' AGL/189' MSL.
Bush 2566' from DER, 647' left of centerline, 103' AGL/207' MSL.
Bush beginning 2598' from DER, 545' left of centerline, up to 85' AGL/212' MSL.
Tree 2661' from DER, 695' left of centerline, 112' AGL/228' MSL.
Tree 2662' from DER, 787' left of centerline, 113' AGL/232' MSL.
Bush beginning 2678' from DER, 226' left of centerline, up to 116' AGL/236' MSL.
Tree 2797' from DER, 543' left of centerline, 99' AGL/227' MSL.
Bush 2799' from DER, 330' right of centerline, 106' AGL/182' MSL.
Tree 2847' from DER, 141' left of centerline, 101' AGL/214' MSL.
Bush beginning 2851' from DER, 23' left of centerline, up to 83' AGL/223' MSL.
Tree beginning 2886' from DER, 70' left of centerline, up to 100' AGL/193' MSL.
Bush 2927' from DER, 259' right of centerline, 101' AGL/195' MSL.
Trees beginning 2930' from DER, 74' left of centerline, up to 101' AGL/214' MSL.
Bush beginning 2936' from DER, 66' right of centerline, up to 91' AGL/201' MSL.
Tree 2999' from DER, 464' right of centerline, 101' AGL/180' MSL.
Bush 3009' from DER, 235' left of centerline, 63' AGL/181' MSL.
Tree 3043' from DER, 537' right of centerline, 101' AGL/175' MSL.
Bush beginning 3047' from DER, 35' left of centerline, up to 64' AGL/180' MSL..

Rwy 16, grd 15' from DER, 417' left of centerline, 87' MSL.
Rwy sign 17' from DER, 198' left of centerline, 3' AGL/85' MSL.
Nt Rwy lt 28' from DER, 82' left of centerline, 2' AGL/83' MSL.
Grd 100' from DER, 426' right of centerline, 89' MSL.
Bush beginning 113' from DER, 228' right of centerline, up to 27' AGL/125' MSL.
Bush beginning 212' from DER, 454' right of centerline, up to 72' AGL/136' MSL.
Bush beginning 247' from DER, 451' right of centerline, up to 78' AGL/139' MSL.
Bush 268' from DER, 442' left of centerline, 70' AGL/133' MSL.
Vehicle in parking lot 289' from DER, 520' right of centerline, 115' MSL.
Trees beginning 306' from DER, 263' right of centerline, up to 91' AGL/148' MSL.
Bush 312' from DER, 463' left of centerline, 93' AGL/150' MSL.
Trees beginning322' from DER, 319' left of centerline, up to 88' AGL/145' MSL.
Bush beginning 378' from DER, 107' right of centerline, up to 76' AGL/135' MSL.
Bldg beginning 481' from DER, 616' right of centerline, up to 43' AGL/164' MSL.
Bldg 499' from DER, 482' right of centerline, 42' AGL/165' MSL.
Bldg 511' from DER, 619' right of centerline, 41' AGL/164' MSL.
Vehicle in parking lot 515' from DER, 444' right of centerline, 120' MSL.
Bush 531' from DER, 561' left of centerline, 79' AGL/132' MSL.
Bldg beginning 543' from DER, 488' right of centerline, up to 44' AGL/168' MSL.
Grd 574' from DER, 401' right of centerline, 115' MSL.
Bush 576' from DER, 618' left of centerline, 70' AGL/119' MSL.
Bldg 609' from DER, 509' right of centerline, 45' AGL/168' MSL.
Bush beginning 622' from DER, 345' left of centerline, up to 68' AGL/131' MSL.
Vehicle in parking lot 667' from DER, 673' right of centerline, 130' MSL.
Ground 669' from DER, 482' right of centerline, 130' MSL.
Vehicle in parking lot 679' from DER, 456' right of centerline, 127' MSL.
Bush 692' from DER, 422' left of centerline, 76' AGL/132' MSL.
Bldg 698' from DER, 655' right of centerline, 30' AGL/160' MSL.

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BEVERLY, MA (CON'T)

BEVERLY RGNL (BVY) (CON'T)

Rwy 16 (CON'T), pole 723' from DER, 403' right of centerline,43' AGL/159' MSL.
Bush 744' from DER, 404' left of centerline, 77' AGL/132' MSL.
Bldg beginning 758' from DER, 515' right of centerline, up to 37' AGL/164' MSL.
Bldg beginning 857' from DER, 406' right of centerline, up to 33' AGL/179' MSL.
Stack 891' from DER, 517' right of centerline, 33' AGL/168' MSL.
Tree 894' from DER, 368' right of centerline, 31' AGL/150' MSL.
Bush 903' from DER, 496' left of centerline, 65' AGL/121' MSL.
Grd 908' from DER, 353' right of centerline, 118' MSL.
Vehicle in parking lot 918' from DER, 524' right of centerline, 128' MSL.
Bush beginning 938' from DER, 264' left of centerline, up to 53' AGL/109' MSL.
Vehicle in parking lot 994' from DER, 588' right of centerline, 129' MSL.
Grd beginning 1008' from DER, 490' right of centerline, up to 128' MSL.
Bush 1084' from DER, 173' right of centerline, 26' AGL/111' MSL.
Pole 1086' from DER, 434' right of centerline, 28' AGL/162' MSL.
Grd 1116' from DER, 710' right of centerline, 126' MSL.
Bldg 1123' from DER, 604' right of centerline, 36' AGL/167' MSL.
Bush beginning 1144' from DER, 164' right of centerline, up to 17' AGL/145' MSL.
Grd beginning 1200' from DER, 280' right of centerline, up to 129' MSL.
Bush beginning 1253' from DER, 183' left of centerline, up to 19' AGL/146' MSL.
Pole 1407' from DER, 480' right of centerline, 16' AGL/149' MSL.
Grd 1414' from DER, 597' right of centerline, 126' MSL.
Trail beginning 1438' from DER, 333' right of centerline, up to 135' MSL.
Bush beginning 1484' from DER, 281' right of centerline, up to 52' AGL/184' MSL.
Grd beginning 1553' from DER, 429' right of centerline, up to 124' MSL.
Bush beginning 1643' from DER, 243' right of centerline, up to 76' AGL/126' MSL.
Bush beginning 1702' from DER, 587' right of centerline, up to 57' AGL/192' MSL.
Tree 1711' from DER, 692' right of centerline, 73' AGL/193' MSL.
Bush 1732' from DER, 721' left of centerline, 75' AGL/126' MSL.
Grd beginning 1763' from DER, 448' right of centerline, up to 137' MSL.
Bush beginning 1776' from DER, 305' right of centerline, up to 5' AGL/132' MSL.
Lt pole 1821' from DER, 192' right of centerline, 31' AGL/139' MSL.
Bush beginning 1898' from DER, 92' right of centerline, up to 30' AGL/138' MSL.
Lt pole beginning 1949' from DER, 65' right of centerline, up to 31' AGL/139' MSL.
Bldg 2021' from DER, 427' right of centerline, 24' AGL/133' MSL.
Lt pole, beginning 2036' from DER, 44' left of centerline, up to 31' AGL/139' MSL.
Bldg 2098' from DER, 381' right of centerline, 39' AGL/148' MSL.
Lt pole 2129' from DER, 8' left of centerline, 31' AGL/136' MSL.
Bldg beginning 2182' from DER, 241' right of centerline, up to 42' AGL/151' MSL.
Smoke stk 2497' from DER, 356' right of centerline, 53' AGL/162' MSL.
Bldg beginning 2533' from DER, 354' right of centerline, up to 58' AGL/165' MSL.
Bush beginning 2860' from DER, 613' right of centerline, up to 61' AGL/162' MSL.
Bldg beginning 2909' from DER, 973' right of centerline, up to 56' AGL/156' MSL.
Bush beginning 3293' from DER, 1086' right of centerline, up to 72' AGL/166' MSL.
Rwy 27, bush 44' from DER, 439' left of centerline, 26' AGL/82' MSL.
Trees beginning 182' from DER, 229' left of centerline, up to 16' AGL/81' MSL.
Bush 214' from DER, 463' left of centerline, 49' AGL/98' MSL.
Tree 243' from DER, 318' right of centerline,15' AGL/83' MSL.
Bushes beginning 279' from DER, 270' left of centerline, up to 31' AGL/92' MSL.
Tree 419' from DER, 119' left of centerline, 43' AGL/92' MSL.
Bush 455' from DER, 463' left of centerline, 62' AGL/100' MSL.
Trees beginning 456' from DER, 109' right of centerline, up to 55' AGL/99' MSL.
Bushes beginning 500' from DER, 46' right of centerline, up to 53' AGL/96' MSL.
Trees beginning 535' from DER, 249' right of centerline, up to 62' AGL/110' MSL.
Bushes beginning 547' from DER, 26' right of centerline, up to 56' AGL/92' MSL.
Tree 1170' from DER, 587' left of centerline, 82' AGL/111' MSL.
Bushes beginning 1202' from DER, 248' left of centerline, up to 85' AGL/114' MSL.
Bushes 2376' from DER, 653' right of centerline, 85' AGL/136' MSL.
Bush beginning 2394' from DER, 451' right of centerline, up to 86' AGL/137' MSL.
Bush beginning 2563' from DER, 1037' right of centerline, up to 85' AGL/140' MSL.
Bush beginning 2953' from DER, 958' right of centerline, up to 82' AGL/168' MSL.
Tree beginning 3041' from DER, 762' right of centerline, up to 103' AGL/160' MSL.
Bush beginning 3194' from DER, 1165' right of centerline, up to 91' AGL/190' MSL.
Tree 3232' from DER, 723' right of centerline, 97' AGL/157' MSL.
Bush beginning 3321' from DER, 1083' right of centerline, up to 89' AGL/185' MSL.
Bushes beginning 4347' from DER, 954' left of centerline, up to 82' AGL/201' MSL.
Bushes 4628' from DER, 1523' left of centerline, 86' AGL/202' MSL.
Bushes beginning 4659' from DER, 924' left of centerline, up to 82' AGL/208' MSL.
Bldgs beginning 5490' from DER, 530' left of centerline, up to 108' AGL/217' MSL.
Rwy 34, Nt MALS 11' from DER, on centerline, 2' AGL/109' MSL.
Bush 41' from DER, 270' right of centerline, 18' AGL/119' MSL.
Bush beginning 108' from DER, 399' right of centerline, up to 41' AGL/128' MSL.
Bush 276' from DER, 518' right of centerline, 66' AGL/145' MSL.
Bush 405' from DER, 452' right of centerline, 68' AGL/148' MSL.
CON'T

BEVERLY, MA (CON'T)

BEVERLY RGNL (BVY) (CON'T)

Rwy 34, (CON'T), tree 431' from DER, 580' left of centerline, 58' AGL/152' MSL.
Tree 460' from DER, 582' left of centerline, 63' AGL/156' MSL.
Bush beginning 461' from DER, 526' left of centerline, up to 63' AGL/154' MSL.
Tree 695' from DER, 338' left of centerline, 40' AGL/142' MSL.
Bush beginning 698' from DER, 282' left of centerline, up to 50' AGL/153' MSL.
Tree 905' from DER, 222' left of centerline, 39' AGL/141' MSL.
Bush beginning 940' from DER, 214' left of centerline, up to 34' AGL/135' MSL.
Tree 1032' from DER, 700' right of centerline, 86' AGL/174' MSL.
Bush beginning 1034' from DER, 89' right of centerline, up to 91' AGL/173' MSL.
Bush beginning 1238' from DER, 300' right of centerline, up to 96' AGL/182' MSL.
Pole, beginning 1309' from DER, 1' right of centerline, up to 9' AGL/158' MSL.
Tree 1622' from DER, 214' right of centerline, 78' AGL/167' MSL.
Bush beginning 1662' from DER, 458' right of centerline, up to 81' AGL/153' MSL.
Tree 1682' from DER, 499' left of centerline, 80' AGL/165' MSL.
Bush beginning 1686' from DER, 50' left of centerline, up to 71' AGL/166' MSL.
Tree 1911' from DER, 427' left of centerline, 79' AGL/164' MSL.
Bush beginning 1923' from DER, 22' left of centerline, up to 83' AGL/160' MSL.

BIDDEFORD, ME

BIDDEFORD MUNI (B19)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 25OCT07 (07298) (FAA)

TAKEOFF MINIMUMS:

Rwy 24, 300-2 or std. w/ min. climb of 214' per NM to 600, or alternatively, w/ std. takeoff minimums and normal 200'/NM climb gradient, takeoff must occur no later than 1700 prior to DER.

TAKEOFF OBSTACLE NOTES:

Rwy 6, multiple trees beginning 121' from DER, 243' left of centerline, up to 60' AGL/229' MSL.
Multiple trees beginning 23' from DER, 132' right of centerline, up to 60' AGL/219' MSL.
Multiple trees beginning 538' from DER, 6' right of centerline, up to 60' AGL/229' MSL.
Rwy 24, multiple trees beginning 342' from DER, 287' left of centerline, up to 60' AGL/219' MSL.
Multiple trees beginning 492' from DER, 242' right of centerline, up to 60' AGL/209' MSL.
Multiple trees beginning 1317' from DER, 44' right of centerline, up to 60' AGL/209' MSL.
Assumed obstacle 1.7 NM from DER, 1802' right of centerline, 200' AGL/429' MSL.

BLOCK ISLAND, RI

BLOCK ISLAND STATE (BID)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 11FEB10 (10042) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 10, bush 136' from DER, 183' left of centerline, 9' AGL/110' MSL.
Tower 2736' from DER, 1203' left of centerline, 167' AGL/210' MSL.
Rwy 28, buildings with chimneys beginning 1105' from DER, 8' left of centerline, up to 30' AGL/196' MSL.
Trees beginning 3' from DER, 4' left of centerline, up to 87' AGL/189' MSL.
Trees beginning 380' from DER, 70' left of centerline, up to 78' AGL/186' MSL.
Windmill with antennas 3437' from DER, 1005' right of centerline, 72' AGL/257' MSL.

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BOSTON, MA

GENERAL EDWARD LAWRENCE LOGAN INTL (BOS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 15 07OCT21 (21280) (FAA)

TAKEOFF MINIMUMS:

Rwys 32, 33R, NA-Environmental.
Rwy 4L, 300-1 or std. w/min. climb of 369' per NM to 300.
Rwy 9, 300-1¼ or std. w/min. climb of 266' per NM to 300.
Rwy 14, std. w/min. climb of 233' per NM to 1100.
Rwy 22L, 300-1 or std. if tower reports no tall vessels in the departure area.
Rwy 22R, 300-1¾ or std. w/min. climb of 320' per NM to 300.
Rwy 27, std. w/min. climb of 487' per NM to 1000.
Rwy 33L, 300-1¾ or std. w/min. climb of 232' per NM to 400, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 2100 feet prior to DER.

DEPARTURE PROCEDURE:

Rwys 4L/R, climb on heading 035° to 500 before turning left.
Rwy 22L, climb on heading 215° to 800 before turning right.
Rwy 22R, climb on heading 215° to 900 before turning right.
Rwy 33L, climb on heading 330° to 700 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 4L, ships beginning 693' from DER, on centerline, up to 50' MSL.
Pole, tree beginning 1803' from DER, 724' right of centerline, up to 56' AGL/65' MSL.
Trees beginning 1989' from DER, 27' right of centerline, up to 74' MSL.
Tree 2091' from DER, 91' left of centerline, 65' AGL/77' MSL.
Trees beginning 2152' from DER, 33' left of centerline, up to 81' MSL.
Trees beginning 2279' from DER, 101' right of centerline, up to 57' AGL/77' MSL.
Trees beginning 2401' from DER, 211' left of centerline, up to 82' MSL.
Trees, pole beginning 3656' from DER, 1068' left of centerline, up to 120' MSL.
Stack 3763' from DER, 1142' left of centerline, 123' MSL.
Trees, stacks, vehicles on road beginning 3796' from DER, 627' left of centerline, up to 154' MSL.
Trees beginning 4021' from DER, 791' left of centerline, up to 156' MSL.
Tree 4085' from DER, 1069' left of centerline, 159' MSL.
Stacks, trees, vehicles on road beginning 4087' from DER, 476' left of centerline, up to 160' MSL.
Trees, pole, building beginning 4264' from DER, 638' left of centerline, up to 166' MSL.
Rwy 4R, ships beginning 578' from DER, on centerline, up to 50' MSL.
Pole, trees beginning 1806' from DER, 731' left of centerline, up to 56' AGL/65' MSL.
Vehicles on road 1842' from DER, 964' right of centerline, 62' MSL.
Vehicles on road 1948' from DER, 984' right of centerline, 66' MSL.
Trees beginning 1992' from DER, 380' left of centerline, up to 74' MSL.
Trees beginning 2282' from DER, 691' left of centerline, up to 57' AGL/77' MSL.
Rwy 9, lighting 11' from DER, 150' right of centerline, 17' MSL.
Lighting 11' from DER, 149' left of centerline, 16' MSL.
Ships beginning 761' from DER, on centerline, up to 65' MSL.
Tank 5904' from DER, 1456' left of centerline, 114' AGL/211' MSL.
Tank 5924' from DER, 1455' left of centerline, 205' MSL.
Rwy 14, lighting 10' from DER, 127' left of centerline, 20' MSL.
Lighting 10' from DER, 127' right of centerline, 21' MSL.
Terrain 82' from DER, 479' left of centerline, 26' MSL.
Antenna 480' from DER, 321' left of centerline, 68' MSL.
NAVAID 497' from DER, 317' left of centerline, 71' MSL.
Ship rig 5439' from DER, 1822' right of centerline, 176' MSL.
Rwy 15L, sign 8' from DER, 281' right of centerline, 5' AGL/17' MSL.
Rwy 15R, lighting 1' from DER, on centerline, 16' MSL.
Rwy 22L, lighting 40' from DER, 253' right of centerline, 20' MSL.
Pole 395' from DER, on centerline, 15' AGL/31' MSL.
Ship rig, tower beginning 2440' from DER, 34' left of centerline, up to 176' MSL.
Crane 3675' from DER, 439' right of centerline, 145' AGL/145' MSL.
Cranes, vehicles on road beginning 3720' from DER, 447' right of centerline, up to 147' MSL.
Rwy 22R, ship rig 4064' from DER, 8' right of centerline, 176' MSL.
Ship rig 4585' from DER, 1534' left of centerline, 176' MSL.
Vehicles on road 1 NM from DER, 1850' right of centerline, 208' MSL.
Stack 1.4 NM from DER, 2796' right of centerline, 238' AGL/263' MSL.
Stack 1.4 NM from DER, 2793' right of centerline, 260' MSL.
Rwy 27, sign 18' from DER, 139' left of centerline, 18' MSL.
Building 1211' from DER, 750' right of centerline, 50' MSL.
Tree 1617' from DER, 820' right of centerline, 59' MSL.
Pole, lighting beginning 1690' from DER, 750' right of centerline, up to 84' AGL/100' MSL.
Building 1.2 NM from DER, 1178' left of centerline, 238' MSL.
Building 1.2 NM from DER, 988' left of centerline, 240' MSL.
Building 1.2 NM from DER, 971' left of centerline, 230' AGL/242' MSL.
Buildings beginning 1.2 NM from DER, 1040' left of centerline, up to 243' MSL.
Buildings beginning 1.2 NM from DER, 533' left of centerline, up to 248' MSL.
Buildings, stack beginning 1.3 NM from DER, 501' left of centerline, up to 250' MSL.
Buildings beginning 1.3 NM from DER, 137' right of centerline, up to 250' AGL/260' MSL.
Building 1.3 NM from DER, 185' left of centerline, 252' MSL.

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BOSTON, MA (CON'T)

GENERAL EDWARD LAWRENCE LOGAN INTL (BOS) (CON'T)

Rwy 27 (CON'T), buildings beginning 1.3 NM from DER, 112' left of centerline, up to 251' AGL/261' MSL.
Building 1.3 nm from DER, 95' right of centerline, 259' AGL/269' MSL.
Buildings beginning 1.3 NM from DER, 118' left of centerline, up to 259' AGL/269' MSL.
Cranes, buildings beginning 1.4 NM from DER, 62' right of centerline, up to 411' MSL.
Building 1.4 NM from DER, 106' left of centerline, 261' AGL/271' MSL.
Building 1.5 NM from DER, 207' left of centerline, 267' AGL/278' MSL.
Antenna, buildings beginning 1.6 NM from DER, 2984' right of centerline, up to 414' MSL.
Buildings beginning 1.6 NM from DER, 2511' right of centerline, up to 484' MSL.
Building 1.6 NM from DER, 2655' right of centerline, 548' AGL/560' MSL.
Building 1.6 NM from DER, 2468' right of centerline, 635' MSL.
Buildings, antennas, stack, building tower beginning 1.6 NM from DER, 1533' right of centerline, up to 615' AGL/639' MSL.
Buildings, poles, antennas beginning 1.8 nm from DER, 1114' right of centerline, up to 677' AGL/690' MSL.
Buildings, antenna beginning 1.9 NM from DER, 1507' right of centerline, up to 701' AGL/720' MSL.
Building tower, buildings, crane beginning 2 NM from DER, 1775' right of centerline, up to 698' AGL/730' MSL.
Crane 2.2 NM from DER, 1690' right of centerline, 512' MSL.
Rwy 33L, tree 248' from DER, 377' right of centerline, 16' AGL/27' MSL.
Building 1346' from DER, 705' right of centerline, 41' AGL/51' MSL.
Tanks beginning 1677' from DER, 925' left of centerline, up to 51' AGL/67' MSL.
Building 1933' from DER, 862' left of centerline, 70' MSL.
Buildings beginning 1946' from DER, 602' left of centerline, up to 58' AGL/73' MSL.
Trees beginning 2119' from DER, 52' right of centerline, up to 82' MSL.
Trees beginning 2214' from DER, 43' right of centerline, up to 72' AGL/84' MSL.
Trees beginning 2328' from DER, 35' right of centerline, up to 85' MSL.
Tree 2437' from DER, 1033' right of centerline, 96' MSL.
Tree 2448' from DER, 928' right of centerline, 99' MSL.
Signs, tank beginning 3015' from DER, 860' right of centerline, up to 73' AGL/101' MSL.
Tree 3969' from DER, 567' left of centerline, 63' AGL/118' MSL.
Tree 3987' from DER, 594' left of centerline, 122' MSL.
Building 4364' from DER, 1080' left of centerline, 64' AGL/129' MSL.
Trees beginning 4511' from DER, 1142' left of centerline, up to 134' MSL.
Building, stack beginning 4925' from DER, 1491' left of centerline, up to 151' MSL.
Bridge 1.3 NM from DER, 2564' left of centerline, 262' AGL/262' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)
ORIG 28APR16 (16119) (FAA)

Rwy 14, heading as assigned by ATC; requires min. climb of 240' per NM to 1100.
Rwy 22L, heading as assigned by ATC; requires min. climb of 330' per NM to 1200.
Rwy 22R, heading as assigned by ATC; requires min. climb of 310' per NM to 500.
Rwy 33L, heading as assigned by ATC; requires min. climb of 300' per NM to 1200.

BRIDGEPORT, CT

BRIDGEPORT/SIKORSKY (BDR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 5 20OCT11 (22139) (FAA)

TAKEOFF MINIMUMS:
Rwy 29, 600-2¾ or std. w/min. climb of 300' per NM to 700.

TAKEOFF OBSTACLE NOTES:
Rwy 6, fence 14' from DER, 95' left of centerline, 17' AGL/18' MSL.
Vehicles on road beginning 79' from DER, 1' right of centerline, up to 15' AGL/25' MSL.
Rwy 11, vehicles on road beginning 195' from DER, 127' left of centerline, up to 15' AGL/28' MSL.
Vehicles on road and poles beginning 207' from DER, 6' right of centerline, up to 73' AGL/73' MSL.
Rwy 24, vehicles on road beginning 484' from DER, 537' right of centerline, up to 15' AGL/25' MSL.
Rwy 29, building 555' from DER, 622' right of centerline, 57' AGL/59' MSL.
Stack 2.2 NM from DER. 275' left of centerline, 497' AGL/512' MSL.

BRUNSWICK, ME

BRUNSWICK EXEC (BXM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 28JUL11 (22139) (FAA)

TAKEOFF OBSTACLE NOTES:
Rwy 1L, tree 2018' from DER, 943' right of centerline, 100' AGL/159' MSL.
Trees beginning 2272' from DER, 335' left of centerline, up to 100' AGL/159' MSL.
Rwy 1R, tree 1985' from DER, 345' right of centerline, 100' AGL/156' MSL.
Tree 2823' from DER, 1045' left of centerline, 100' AGL/159' MSL.
Rwy 19L, trees beginning 2170' from DER, 457' left of centerline, up to 100' AGL/179' MSL.
Tree 2136' from DER, 498' right of centerline, 100' AGL/169' MSL.
Rwy 19R, trees beginning 2137' from DER, 201' left of centerline, up to 100' AGL/179' MSL.

BURLINGTON, VT

PATRICK LEAHY BURLINGTON INTL (BTV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 13 29JUL10 (23278) (FAA)

TAKEOFF MINIMUMS:

Rwy 1, std w/min climb of 290' per NM to 3200 or 3000-3 for climb in visual conditions.
Rwy 15, std w/min climb of 375' per NM to 5900 or 3000-3 for climb in visual conditions.
Rwy 19, std w/min climb of 290' per NM to 5300 or 3000-3 for climb in visual conditions.
Rwy 33, std w/min climb of 210' per NM to 2400 or 3000-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 1, climb heading 006° to 3200 before proceeding on course or for climb in visual conditions cross Patrick Leahy Burlington Intl airport at or above 3200 before proceeding on course.
Rwy 15, for climb in visual conditions cross Patrick Leahy Burlington Intl airport at or above 3200 before proceeding on course.
Rwy 19, climb heading 186° to 3200 before proceeding on course or for climb in visual conditions cross Patrick Leahy Burlington Intl airport at or above 3200 before proceeding on course.
Rwy 33, climb heading 326° to 2400 before proceeding on course or for climb in visual conditions cross Patrick Leahy Burlington Intl airport at or above 3200 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 1, trees beginning 1396' from DER, 216' right of centerline, up to 64' AGL/384' MSL trees 1694' from DER, 200' left of centerline, up to 80' AGL/380' MSL.
Rwy 15, bush 318' from DER, 292' left of centerline, up to 23' AGL/343' MSL.
Trees beginning 1418' from DER, 358' right of centerline, up to 27 feet AGL/387' MSL.
Hopper and trees beginning 1801' from DER, 377' left of centerline, up to 63' AGL/403' MSL.
Building 3453' from DER, 1145' left of centerline, 110' AGL/430' MSL.
Rwy 19, trees beginning 168' from DER, 24' right of centerline, up to 56' AGL/436' MSL.
Trees beginning 172' from DER, 184' left of centerline, up to 93' AGL/413' MSL.
Rwy 33, pole and trees beginning 971' from DER, 755' left of centerline, up to 97' AGL/357' MSL.
Trees 1091' from DER, 590' right of centerline, up to 34' AGL/334' MSL.

CARIBOU, ME

CARIBOU MUNI (CAR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 02MAR95 (95061) (FAA)

TAKEOFF MINIMUMS:

Rwys 1, 11, 19, 29, 300-1.

CARRABASSETT, ME

SUGARLOAF RGNL (B21)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 12OCT17 (17285) (FAA)

TAKEOFF MINIMUMS:

Rwy 17, 1200-3 w/min. climb of 530' per NM to 4700 or 3800-3 for climb in visual conditions.
Rwy 35, 3800-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 17, climb heading 173° to 4700 before proceeding on course.

VCOA:

Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Sugarloaf Rgnl airport at or above 4500 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 17, trees and terrain beginning 30' from DER, left and right of centerline, up to 100' AGL/970' MSL.
Trees and terrain beginning 468' from DER, 19' right of centerline, up to 100' AGL/980' MSL.
Trees and terrain beginning 2171' from DER, left and right of centerline, up to 100' AGL/1039' MSL.
Trees and terrain beginning 4012' from DER, left and right of centerline, up to 100' AGL/1291' MSL.
Trees and terrain beginning 1 NM from DER 456' left and right of centerline, up to 100' AGL/1593' MSL.
Trees and terrain beginning 1.6 NM from DER, left and right of centerline, up to 100' AGL/1861' MSL.
Trees and terrain beginning 2.75 NM from DER, 2831' left of centerline, up to 100' AGL/2020' MSL.
Trees and terrain beginning 3 NM from DER, 1192' left of centerline, up to 100' AGL/1900' MSL.
Rwy 35, trees and terrain beginning 38' from DER, left and right of course, up to 100' AGL/890' MSL.
Trees and terrain beginning 495' from DER, 388' right of centerline, up to 100' AGL/909' MSL.
Trees and terrain beginning 1128' from DER, 140' right of centerline, up to 100' AGL/1086' MSL.
Trees and terrain beginning 4065' from DER, left and right of centerline, up to 100' AGL/1126' MSL.
Trees and terrain beginning 4435' from DER, 44' left of centerline, up to 100' AGL/1319' MSL.
Trees and terrain beginning 1 NM from DER, left and right of centerline, up to 100' AGL/1355' MSL.
Trees and terrain beginning 1.1 NM from DER, left and right of centerline, up to 100' AGL/1392' MSL.
Trees and terrain beginning 1.2 NM from DER, 199' left of centerline, up to 100' AGL/1398' MSL.
Trees and terrain beginning 1.3 NM from DER, left and right of centerline, up to 100' AGL/1447' MSL.
Trees and terrain beginning 1.4 NM from DER, left and right of centerline, up to 100' AGL/1474' MSL.
Trees and terrain beginning 1.5 NM from DER, 233' left of centerline, up to 100' AGL/1477' MSL.

CHATHAM, MA

CHATHAM MUNI (CQX)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 25OCT07 (07298) (FAA)

TAKEOFF MINIMUMS:

Rwy 6, 300-1 or std. w/ min. climb of 462' per NM to 300.

Rwy 24, 400-2 or std. w/ min. climb of 248' per NM to 500.

TAKEOFF OBSTACLE NOTES:

Rwy 6, multiple trees beginning 26' from DER, 158' left of centerline, up to 100' AGL/169' MSL.
Multiple trees beginning 62' from DER, 245' right of centerline, up to 100' AGL/159' MSL.
Rwy 24, multiple trees beginning 179' from DER, 216' left of centerline, up to 100' AGL/159' MSL.
Multiple trees beginning 318' from DER, 227' right of centerline, up to 100' AGL/159' MSL.
Tower 1.6 NM from DER, 2526' right of centerline, 313' AGL/318' MSL.

CHESTER, CT

CHESTER (SNC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 18NOV10 (10322) (FAA)

TAKEOFF MINIMUMS:

Rwy 35, 300-3 or std. w/ min. climb of 285' per NM to 900.

TAKEOFF OBSTACLE NOTES:

Rwy 17, trees beginning at DER, 350' left of centerline CW to 250' right of centerline, up to 100' AGL/449' MSL.
Rwy 35, tree 6015' from DER, 586' right of centerline 100' AGL/609' MSL.
Tree 1.7 NM from DER, 847' right of centerline 200' AGL/709' MSL.
Tree line beginning 100' from DER, 250' left of centerline to 1000' right of centerline, up to 100' AGL/469' MSL.

CLAREMONT, NH

CLAREMONT MUNI (CNH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 05DEC19 (19339) (FAA)

TAKEOFF MINIMUMS:

Rwys 11, 29, 3100-3 for climb in visual conditions.

VCOA:

Rwys 11, 29, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Claremont Muni at or above 3500 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 11, terrain 10' from DER, 8' right of centerline, 543' MSL.
Trees and vegetation beginning 21' from DER, 73' left of centerline, up to 571' MSL.
Trees beginning 44' from DER, 120' right of centerline, up to 613' MSL.
Tree 1835' from DER, 63' left of centerline, 602' MSL.
Tree 1923' from DER, 16' left of centerline, 619' MSL.
Trees beginning 1965' from DER, 14' right of centerline, up to 619' MSL.
Trees beginning 2250' from DER, 123' right of centerline, up to 636' MSL.
Trees beginning 2294' from DER, 16' right of centerline, up to 642' MSL.
Trees beginning 2946' from DER, 35' left of centerline, up to 640' MSL.
Trees beginning 2954' from DER, 29' right of centerline, up to 645' MSL.
Trees beginning 3362' from DER, 285' right of centerline, up to 660' MSL.
Tree 1.4 NM from DER, 2369' right of centerline, 768' MSL.
Trees beginning 1.4 NM from DER, 1996' right of centerline, up to 832' MSL.
Trees beginning 1.5 NM from DER, 1803' right of centerline, up to 943' MSL.
Tree 1.6 NM from DER, 2488' left of centerline, 802' MSL.
Trees beginning 1.6 NM from DER, 2880' left of centerline, up to 838' MSL.
Tree 1.8 NM from DER, 3005' left of centerline, 855' MSL.
Tree 1.9 NM from DER, 2902' left of centerline, 856' MSL.
Trees beginning 1.9 NM from DER, 2004' left of centerline, up to 888' MSL.
Trees beginning 2 NM from DER, 1102' left of centerline, up to 899' MSL.
Tree 2 NM from DER, 2839' left of centerline, 1093' MSL.
Trees beginning 2 NM from DER, 325' left of centerline, up to 1117' MSL.
Trees beginning 2.1 NM from DER, 1477' left of centerline, up to 1134' MSL.
Trees beginning 2.4 NM from DER, 2994' left of centerline, up to 1136' MSL.
Rwy 29, terrain 1' from DER, 1' right of centerline, 533' MSL.
Tree 3' from DER, 321' left of centerline, 573' MSL.
Tree, pole and transmission line beginning 11' from DER, 47' right of centerline, up to 587' MSL.
Trees beginning 324' from DER, 126' left of centerline, up to 590' MSL.
Tree 1910' from DER, 108' right of centerline, 588' MSL.
Tree 1973' from DER, 198' right of centerline, 600' MSL.
Trees beginning 1980' from DER, 29' right of centerline, up to 611' MSL.
Trees beginning 2040' from DER, 124' left of centerline, up to 608' MSL.
Tree 2074' from DER, 168' right of centerline, 617' MSL.
Trees beginning 2079' from DER, 67' right of centerline, up to 628' MSL.
Tree 2125' from DER, 183' left of centerline, 634' MSL.
Trees beginning 2137' from DER, 80' left of centerline, up to 648' MSL.
Tree 2190' from DER, 190' right of centerline, 652' MSL.

CON'T

22 FEB 2024 to 21 MAR 2024
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CLAREMONT, NH (CON'T)

CLAREMONT MUNI (CNH) (CON'T)

Rwy 29 (CON'T), tree 2220' from DER, 89' right of centerline, 663' MSL.
Tree 2224' from DER, 199' left of centerline, 652' MSL.
Tree 2236' from DER, 309' right of centerline, 686' MSL.
Trees beginning 2238' from DER, 96' left of centerline, up to 665' MSL.
Trees beginning 2304' from DER, 18' left of centerline, up to 668' MSL.
Tree 2334' from DER, 214' right of centerline, 695' MSL.
Trees beginning 2338' from DER, 112' left of centerline, up to 675' MSL.
Tree 2344' from DER, 356' right of centerline, 713' MSL.
Trees beginning 2359' from DER, 9' right of centerline, up to 719' MSL.
Tree 2427' from DER, 222' left of centerline, 678' MSL.
Trees beginning 2465' from DER, 101' left of centerline, up to 684' MSL.
Trees beginning 2570' from DER, 15' left of centerline, up to 705' MSL.
Trees beginning 3525' from DER, 2' right of centerline, up to 720' MSL.
Trees beginning 3582' from DER, 129' left of centerline, up to 712' MSL.
Tree 3601' from DER, 443' right of centerline, 737' MSL.
Trees beginning 3640' from DER, 145' right of centerline, up to 738' MSL.
Trees beginning 3667' from DER, 17' left of centerline, up to 720' MSL.
Trees beginning 3710' from DER, 149' right of centerline, up to 753' MSL.
Trees beginning 3813' from DER, 19' right of centerline, up to 761' MSL.
Trees and agricultural equipment beginning 3928' from DER, 75' right of centerline, up to 778' MSL.
Trees beginning 4019' from DER, 53' left of centerline, up to 724' MSL.
Tree 4028' from DER, 436' right of centerline, 781' MSL.
Trees beginning 4032' from DER, 46' right of centerline, up to 789' MSL.
Trees beginning 4122' from DER, 4' left of centerline, up to 734' MSL.
Trees beginning 4583' from DER, 9' right of centerline, up to 807' MSL.
Tree 4804' from DER, 128' left of centerline, 744' MSL.
Trees beginning 4824' from DER, 24' left of centerline, up to 745' MSL.
Trees beginning 4927' from DER, 63' left of centerline, up to 749' MSL.
Trees beginning 5041' from DER, 15' right of centerline, up to 840' MSL.
Trees beginning 5067' from DER, 84' left of centerline, up to 752' MSL.
Trees beginning 5168' from DER, 92' left of centerline, up to 754' MSL.
Trees beginning 5320' from DER, 145' left of centerline, up to 758' MSL.
Trees beginning 5394' from DER, 308' left of centerline, up to 774' MSL.
Trees beginning 5403' from DER, 7' left of centerline, up to 776' MSL.
Trees beginning 5567' from DER, 278' left of centerline, up to 799' MSL.
Trees beginning 5593' from DER, 6' left of centerline, up to 832' MSL.
Trees beginning 5769' from DER, 10' right of centerline, up to 850' MSL.
Tree 5771' from DER, 351' left of centerline, 833' MSL.
Trees beginning 5772' from DER, 79' left of centerline, up to 838' MSL.
Tree 5872' from DER, 427' left of centerline, 842' MSL.
Tree 5879' from DER, 557' left of centerline, 861' MSL.
Trees beginning 5898' from DER, 102' left of centerline, up to 872' MSL.
Trees beginning 5995' from DER, 188' left of centerline, up to 893' MSL.
Trees beginning 1 NM from DER, 384' right of centerline, up to 866' MSL.
Tree 1 NM from DER, 1318' left of centerline, 929' MSL.
Tree 1 NM from DER, 949' left of centerline, 946' MSL.
Trees beginning 1 NM from DER, 4' left of centerline, up to 953' MSL.
Tree 1.1 NM from DER, 1254' right of centerline, 871' MSL.
Tree 1.1 NM from DER, 596' right of centerline, 879' MSL.
Tree 1.1 NM from DER, 1381' right of centerline, 917' MSL.
Tree 1.1 NM from DER, 2054' right of centerline, 929' MSL.
Trees beginning 1.1 NM from DER, 1018' right of centerline, up to 1000' MSL.
Tree 1.2 NM from DER, 1112' right of centerline, 1013' MSL.
Trees beginning 1.2 NM from DER, 1' right of centerline, up to 1017' MSL.
Trees beginning 2.3 NM from DER, 969' right of centerline, up to 1024' MSL.
Trees beginning 2.4 NM from DER, 454' right of centerline, up to 1031' MSL.
Tree and rising terrain beginning 2.4 NM from DER, 968' right of centerline, up to 1031' MSL.
Tree 2.4 NM from DER, 3881' left of centerline, 959' MSL.
Trees beginning 2.5 NM from DER, 938' left of centerline, up to 967' MSL.
Tree 2.5 NM from DER, 3781' right of centerline, 1087' MSL.
Trees beginning 2.5 NM from DER, 215' right of centerline, up to 1088' MSL.
Trees beginning 2.5 NM from DER, 227' left of centerline, up to 1078' MSL.

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CONCORD, NH

CONCORD MUNI (CON)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 24MAR22 (22083) (FAA)

TAKEOFF MINIMUMS:

Rwy 12, 600-3 w/min. climb of 235' per NM to 2200 or std. w/min. climb of 310' per NM to 1500 or 1300-3 for climb in visual conditions.

Rwy 17, 300-2¼ or std. w/min. climb of 260' per NM to 700.

Rwy 30, std. w/min. climb of 240' per NM to 1200 or 1300-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 12, climb heading 121° to 1400 before proceeding on course.

Rwy 17, climb heading 171° to 1000 before turning left.

Rwy 35, climb heading 351° to 1300 before proceeding on course.

VCOA:

Rwys 12, 30, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Concord airport at or above 1500 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 12, trees, vegetation beginning at DER, 7' left of centerline, up to 16' AGL/361' MSL.
Trees, vegetation, pole beginning 5' from DER, 100' right of centerline, up to 54' AGL/396' MSL.
Trees beginning 623' from DER, 297' left of centerline, up to 64' AGL/391' MSL.
Trees beginning 1032' from DER, 131' left of centerline, up to 86' AGL/421' MSL.
Tree 1075' from DER, 552' right of centerline, 54' AGL/397' MSL.
Trees beginning 1417' from DER, 207' right of centerline, up to 97' AGL/431' MSL.
Tree 1 NM from DER, 2143' right of centerline, 107' AGL/513' MSL.
Tree 1.4 NM from DER, 2160' left of centerline, 76' AGL/622' MSL.
Trees beginning 1.6 NM from DER, 1010' left of centerline, up to 78' AGL/639' MSL.
Tree 1.6 NM from DER, 331' left of centerline, 66' AGL/655' MSL.
Tree 1.6 NM from DER, 154' right of centerline, 97' AGL/662' MSL.
Tree 1.8 NM from DER, 699' left of centerline, 78' AGL/768' MSL.
Trees, vegetation beginning 1.9 NM from DER, 245' left of centerline, up to 82' AGL/789' MSL.
Trees beginning 1.9 NM from DER, 298' right of centerline, up to 89' AGL/777' MSL.
Trees beginning 2.2 NM from DER, 1068' left of centerline, up to 100' AGL/832' MSL.
Trees, building, vegetation beginning 2.3 NM from DER, 1898' left of centerline, up to 100' AGL/862' MSL.
Rwy 17, trees beginning 96' from DER, 285' left of centerline, up to 35' AGL/350' MSL.
Trees beginning 497' from DER, 523' left of centerline, up to 88' AGL/367' MSL.
Trees beginning 791' from DER, 591' left of centerline, up to 79' AGL/378' MSL.
Tree 984' from DER, 601' right of centerline, 49' AGL/379' MSL.
Trees beginning 1093' from DER, 509' right of centerline, up to 77' AGL/406' MSL.
Tree 1.2 NM from DER, 1048' left of centerline, 92' AGL/529' MSL.
Trees beginning 1.3 NM from DER, 1282' left of centerline, up to 84' AGL/606' MSL.
Trees, tower 1.5 NM from DER, 1881' left of centerline, up to 90' AGL/618' MSL.
Rwy 30, tree 554' from DER, 563' right of centerline, 18' AGL/360' MSL.
Tower, pole beginning 612' from DER, 580' left of centerline, up to 38' AGL/378' MSL.
Building 626' from DER, 185' right of centerline, 21' AGL/362' MSL.
Tree, pole beginning 845' from DER, 484' right of centerline, up to 55' AGL/396' MSL.
Trees beginning 938' from DER, 607' right of centerline, up to 56' AGL/397' MSL.
Trees, pole, building beginning 997' from DER, 522' right of centerline, up to 59' AGL/400' MSL.
Trees, tower, building beginning 1132' from DER, 381' left of centerline, up to 93' AGL/425' MSL.
Trees beginning 1429' from DER, 126' left of centerline, up to 98' AGL/430' MSL.
Tree 2108' from DER, 140' right of centerline, 78' AGL/412' MSL.
Tree 2186' from DER, 351' left of centerline, 104' AGL/434' MSL.
Tree 2241' from DER, 369' left of centerline, 106' AGL/436' MSL.
Tree 2260' from DER, 599' left of centerline, 106' AGL/438' MSL.
Tree 2266' from DER, 321' left of centerline, 111' AGL/440' MSL.
Trees beginning 2303' from DER, 271' left of centerline, up to 112' AGL/442' MSL.
Trees beginning 2403' from DER, 47' right of centerline, up to 105' AGL/437' MSL.
Rwy 35, fence 259' from DER, 491' left of centerline, 8' AGL/348' MSL.
Vehicle on road 277' from DER, 506' left of centerline, 356' MSL.
Buildings, tree, vehicle on road beginning 297' from DER, 90' left of centerline, up to 21' AGL/362' MSL.
Tree 540' from DER, 42' right of centerline, 18' AGL/360' MSL.
Trees, pole beginning 564' from DER, 171' right of centerline, up to 57' AGL/400' MSL.
Trees, pole beginning 646' from DER, 51' right of centerline, up to 72' AGL/415' MSL.
Pole 704' from DER, 276' left of centerline, 31' AGL/372' MSL.
Trees beginning 713' from DER, 191' left of centerline, up to 55' AGL/396' MSL.
Trees, pole beginning 882' from DER, 154' left of centerline, up to 59' AGL/400' MSL.
Trees beginning 1429' from DER, 47' left of centerline, up to 70' AGL/412' MSL.
Tree 1875' from DER, 421' right of centerline, 75' AGL/418' MSL.
Trees beginning 1951' from DER, 40' right of centerline, up to 86' AGL/430' MSL.
Trees beginning 2065' from DER, 20' left of centerline, up to 73' AGL/415' MSL.
Tree 2202' from DER, 906' left of centerline, 85' AGL/424' MSL.
Trees beginning 3015' from DER, 38' left of centerline, up to 95' AGL/436' MSL.
Trees beginning 3433' from DER, 543' left of centerline, up to 102' AGL/440' MSL.

DANBURY, CT

DANBURY MUNI (DXR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4A 25FEB21 (21056) (FAA)

TAKEOFF MINIMUMS:

Rwy 17, NA - Terrain.

Rwy 8, 600-2.

Rwy 26, 600-3.

Rwy 35, std. w/ min. climb of 472' per NM to 1200 or 1200-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 8, climb on heading 084° to 1200 before proceeding on course.

Rwy 26, climb on heading 264° to 1200 before proceeding on course.

VCOA:

Rwy 35, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Danbury Muni Airport at or above 1500 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 8, sign, vegetation, fence, buildings, poles, trees, vehicle on road beginning 27' from DER, 4' left of centerline, up to 1' AGL/455' MSL.
Vehicle on road 76' from DER, 235' right of centerline, 479' MSL.
Trees, vehicle on road, poles, sign, fence beginning 94' from DER, 28' right of centerline, up to 519' MSL.
Tree 436' from DER, 593' right of centerline, 532' MSL.
Poles, vehicle on road, sign, trees beginning 469' from DER, 18' right of centerline, up to 41' AGL/535' MSL.
Trees, poles, buildings, vehicle on road beginning 475' from DER, 38' left of centerline, up to 500' MSL.
Trees, pole beginning 1065' from DER, 99' right of centerline, up to 546' MSL.
Trees, vegetation beginning 1314' from DER, 92' left of centerline, up to 591' MSL.
Trees beginning 1347' from DER, 421' right of centerline, up to 584' MSL.
Buildings, vegetation, trees beginning 1583' from DER, 194' left of centerline, up to 60' AGL/641' MSL.
Trees, buildings, terrain, poles, vehicle on road, fence, sign beginning 1716' from DER, 1' left of centerline, up to 671' MSL.
Transmission line, trees, vehicle on road, poles, catenary, terrain, tower, buildings, wall beginning 1758' from DER, 13' right of centerline, up to 612' MSL.
Trees, buildings, poles, catenary, sign, tower beginning 2896' from DER, 14' right of centerline, up to 723' MSL.
Catenary, trees, building beginning 3585' from DER, 22' right of centerline, up to 26' AGL/643' MSL.
Water tower, tank, trees beginning 5603' from DER, 162' right of centerline, up to 34' AGL/610' MSL.
Buildings, trees beginning 1.2 NM from DER, 784' right of centerline, up to 118' AGL/722' MSL.
Antenna 1.2 NM from DER, 2366' right of centerline, 271' AGL/1012' MSL.
Tower, trees beginning 1.2 NM from DER, 558' right of centerline, up to 271' AGL/1013' MSL.
Rwy 26, trees, fences, poles, buildings, catenarys beginning 3' from DER, 5' right of centerline, up to 506' MSL.
Trees, fences, vegetation, buildings, sign, poles beginning 59' from DER, 6' left of centerline, up to 506' MSL.
Catenarys, poles, trees, buildings beginning 1066' from DER, 61' right of centerline, up to 31' AGL/490' MSL.
Trees, terrain, buildings, vegetation, fences, towers beginning 1236' from DER, 96' left of centerline, up to 625' MSL.
Buildings, trees beginning 1355' from DER, 16' right of centerline, up to 38' AGL/511' MSL.
Trees, poles, buildings beginning 1738' from DER, 11' left of centerline, up to 692' MSL.
Trees, buildings, poles beginning 2427' from DER, 6' right of centerline, up to 706' MSL.
Trees, buildings, antennas, poles, fences, terrain beginning 4766' from DER, 38' left of centerline, up to 799' MSL.
Rwy 35, pole 24' from DER, 387' left of centerline, 34' AGL/484' MSL.
Fence 44' from DER, 59' left of centerline, 18' AGL/458' MSL.
Vehicle on road beginning 84' from DER, 15' left of centerline, up to 466' MSL.
Vehicle on road 93' from DER, 53' right of centerline, 467' MSL.
Vehicle on road beginning 97' from DER, 141' right of centerline, up to 468' MSL.
Vehicle on road, vegetation beginning 105' from DER, 4' right of centerline, up to 469' MSL.
Vegetation, tree beginning 127' from DER, 36' left of centerline, up to 456' MSL.
Trees, poles beginning 178' from DER, 52' right of centerline, up to 472' MSL.
Poles, trees beginning 417' from DER, 23' left of centerline, up to 30' AGL/471' MSL.
Buildings, poles, trees beginning 733' from DER, 3' right of centerline, up to 44' AGL/517' MSL.
Buildings, trees, poles beginning 916' from DER, 65' right of centerline, up to 95' AGL/521' MSL.
Trees beginning 942' from DER, 12' left of centerline, up to 507' MSL.
Terrain, trees beginning 4129' from DER, 471' right of centerline, up to 568' MSL.

DANIELSON, CT

DANIELSON (LZD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 19JUL18 (18200) (FAA)

TAKEOFF MINIMUMS:

Rwy 13, std. w/min. climb of 340' per NM to 900 or 1100-3 for VCOA.

Rwy 31, 400-3 w/min. climb of 270' per NM to 800 or std. w/min. climb of 470 to 500 or 1100-3 for VCOA.

VCOA:

Rwy 13, 31, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Danielson Airport at or above 1200 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 13, terrain 14' from DER, 315' left of centerline, 234' MSL.
NAVAID 25' from DER, 78' left of centerline, 4' AGL/235' MSL.
Trees, poles, fences, buildings, traverse ways beginning 40' from DER, 180' left of centerline, up to 304' MSL.
Tree 87' from DER, 176' right of centerline, 284' MSL.
Trees beginning 157' from DER, 209' right of centerline, up to 338' MSL.

CON'T

22 FEB 2024 to 21 MAR 2024
22 FEB 2024 to 21 MAR 2024

DANIELSON, CT (CON'T)

DANIELSON (LZD) (CON'T)

Rwy 13 (CON'T), tree 333' from DER, 410' right of centerline, 342' MSL.
Trees, traverse ways, fences, poles, buildings beginning 342' from DER, 3' right of centerline, up to 346' MSL.
Trees, poles beginning 1040' from DER, 235' left of centerline, up to 343' MSL.
Trees, poles beginning 1285' from DER, 16' left of centerline, up to 347' MSL.
Trees beginning 5565' from DER, 1611' left of centerline, up to 403' MSL.
Spire 5604' from DER, 1482' right of centerline, 161' AGL/397' MSL.
Tree 5730' from DER, 1713' left of centerline, 407' MSL.
Trees beginning 5794' from DER, 1091' left of centerline, up to 413' MSL.
Trees beginning 6023' from DER, 1156' left of centerline, up to 420' MSL.
Tree 1 NM from DER, 1808' left of centerline, 423' MSL.
Trees beginning 1 NM from DER, 1204' left of centerline, up to 425' MSL.
Trees beginning 1 NM from DER, 799' left of centerline, up to 433' MSL.
Tower, tree beginning 1 NM from DER, 191' right of centerline, up to 160' AGL/436' MSL.
Trees beginning 1 NM from DER, 691' left of centerline, up to 448' MSL.
Trees beginning 1.1 NM from DER, 1360' left of centerline, up to 453' MSL.
Tree 1.1 NM from DER, 2180' left of centerline, 456' MSL.
Trees beginning 1.1 NM from DER, 944' left of centerline, up to 457' MSL.
Trees beginning 1.1 nm from DER, 972' left of centerline, up to 466' MSL.
Trees beginning 1.1 NM from DER, 777' left of centerline, up to 469' MSL.
Tree 1.1 NM from DER, 2073' left of centerline, 473' MSL.
Trees beginning 1.1 NM from DER, 1340' left of centerline, up to 484' MSL.
Trees beginning 1.2 NM from DER, 1031' left of centerline, up to 486' MSL.
Trees beginning 1.2 NM from DER, 1339' left of centerline, up to 490' MSL.
Trees beginning 1.2 NM from DER, 275' left of centerline, up to 491' MSL.
Trees beginning 1.2 NM from DER, 38' right of centerline, up to 440' MSL.
Trees beginning 1.2 NM from DER, 165' left of centerline, up to 506' MSL.
Trees beginning 1.3 NM from DER, 40' left of centerline, up to 508' MSL.
Trees, building beginning 1.3 NM from DER, 242' left of centerline, up to 521' MSL.
Trees beginning 1.3 NM from DER, 368' right of centerline, up to 461' MSL.
Trees beginning 1.3 NM from DER, 85' right of centerline, up to 513' MSL.
Trees beginning 1.3 nm from DER, 808' left of centerline, up to 524' MSL.
Tree 1.3 NM from DER, 272' left of centerline, 525' MSL.
Trees beginning 1.3 NM from DER, on centerline, up to 534' MSL.
Tree, building beginning 1.3 NM from DER, 267' left of centerline, up to 539' MSL.
Trees beginning 1.3 NM from DER, 189' right of centerline, up to 533' MSL.
Trees beginning 1.3 nm from DER, 58' right of centerline, up to 550' MSL.
Tree 1.4 NM from DER, 182' right of centerline, 557' MSL.
Trees, building beginning 1.4 NM from DER, 105' left of centerline, up to 556' MSL.
Trees beginning 1.4 NM from DER, 337' right of centerline, up to 561' MSL.
Tree 1.4 NM from DER, 581' right of centerline, 573' MSL.
Trees beginning 1.4 NM from DER, 57' right of centerline, up to 579' MSL.
Trees beginning 1.4 NM from DER, 358' left of centerline, up to 558' MSL.
Trees, building beginning 1.4 NM from DER, 282' right of centerline, up to 587' MSL.
Trees, building beginning 1.4 NM from DER, 148' left of centerline, up to 567' MSL.
Trees beginning 1.4 NM from DER, 260' right of centerline, up to 593' MSL.
Trees beginning 1.4 NM from DER, 69' right of centerline, up to 600' MSL.
Trees, building beginning 1.4 NM from DER, 603' right of centerline, up to 608' MSL.
Trees beginning 1.4 NM from DER, 20' left of centerline, up to 580' MSL.
Trees, terrain beginning 1.5 NM from DER, 172' right of centerline, up to 609' MSL.
Trees, building beginning 1.5 NM from DER, 79' right of centerline, up to 614' MSL.
Trees, building beginning 1.5 NM from DER, 18' left of centerline, up to 589' MSL.
Trees beginning 1.5 NM from DER, 121' left of centerline, up to 590' MSL.
Trees, terrain beginning 1.5 NM from DER, 471' right of centerline, up to 617' MSL.
Tree 1.5 NM from DER, 719' right of centerline, 620' MSL.
Trees beginning 1.5 NM from DER, 282' right of centerline, up to 625' MSL.
Trees, building beginning 1.5 NM from DER, 22' left of centerline, up to 604' MSL.
Tree 1.5 NM from DER, 452' right of centerline, 629' MSL.
Trees beginning 1.5 NM from DER, 124' right of centerline, up to 630' MSL.
Trees beginning 1.5 NM from DER, 17' right of centerline, up to 633' MSL.
Trees, pole beginning 1.6 nm from DER, 444' right of centerline, up to 635' MSL.
Trees, building, terrain beginning 1.6 NM from DER, 10' right of centerline, up to 638' MSL.
Trees, terrain beginning 1.6 NM from DER, 18' right of centerline, up to 641' MSL.
Trees beginning 1.7 NM from DER, 277' right of centerline, up to 661' MSL.
Rwy 31, terrain 40' from DER, 477' right of centerline, 245' MSL.
Trees beginning 54' from DER, 199' left of centerline, up to 309' MSL.
Trees beginning 81' from DER, 11' left of centerline, up to 311' MSL.
Trees, terrain beginning 108' from DER, 175' right of centerline, up to 286' MSL.
Trees beginning 269' from DER, 25' right of centerline, up to 294' MSL.
Trees beginning 469' from DER, 52' right of centerline, up to 302' MSL.
Trees beginning 567' from DER, 67' right of centerline, up to 327' MSL.
Trees beginning 1884' from DER, 117' right of centerline, up to 330' MSL.
Trees beginning 2057' from DER, 9' right of centerline, up to 338' MSL.
Trees beginning 2603' from DER, 240' right of centerline, up to 339' MSL.
CON'T

DANIELSON, CT (CON'T)

DANIELSON (LZD) (CON'T)

Rwy 31 (CON'T), tree, transmission line beginning 2659' from DER, 46' left of centerline, up to 316' MSL.
Trees beginning 2884' from DER, 539' right of centerline, up to 345' MSL.
Trees beginning 2898' from DER, 682' left of centerline, up to 319' MSL.
Trees, pole, transmission line beginning 2947' from DER, 29' right of centerline, up to 349' MSL.
Trees, transmission line, pole beginning 3013' from DER, 72' left of centerline, up to 329' MSL.
Tree 3102' from DER, 524' right of centerline, 366' MSL.
Transmission line 3135' from DER, 109' left of centerline, 82' AGL/338' MSL.
Trees beginning 3141' from DER, 469' left of centerline, up to 347' MSL.
Tree 3146' from DER, 635' right of centerline, 370' MSL.
Tree 3159' from DER, 823' right of centerline, 384' MSL.
Trees, transmission line, pole beginning 3231' from DER, 662' right of centerline, up to 399' MSL.
Tree 3264' from DER, 274' left of centerline, 363' MSL.
Trees, transmission lines, pole beginning 3290' from DER, 160' right of centerline, up to 418' MSL.
Trees beginning 3332' from DER, 67' left of centerline, up to 376' MSL.
Trees, transmission lines, terrain beginning 3466' from DER, 4' right of centerline, up to 434' MSL.
Trees beginning 3493' from DER, 169' left of centerline, up to 388' MSL.
Trees beginning 3645' from DER, 506' left of centerline, up to 390' MSL.
Trees beginning 3739' from DER, 51' left of centerline, up to 408' MSL.
Trees beginning 4057' from DER, 3' left of centerline, up to 418' MSL.
Trees, terrain beginning 4771' from DER, 317' right of centerline, up to 458' MSL.
Trees, buildings beginning 4865' from DER, 146' right of centerline, up to 461' MSL.
Trees beginning 4964' from DER, 180' left of centerline, up to 420' MSL.
Trees, terrain, poles beginning 5109' from DER, 7' right of centerline, up to 469' MSL.
Trees, buildings beginning 5280' from DER, 282' left of centerline, up to 423' MSL.
Tree 5391' from DER, 301' left of centerline, 425' MSL.
Trees beginning 5450' from DER, 14' left of centerline, up to 426' MSL.
Trees beginning 5607' from DER, 3' left of centerline, up to 432' MSL.
Tree 1.4 NM from DER, 2700' left of centerline, 464' MSL.
Trees beginning 1.4 NM from DER, 2183' left of centerline, up to 493' MSL.
Trees beginning 1.4 NM from DER, 2103' left of centerline, up to 503' MSL.
Trees beginning 1.5 NM from DER, 1800' left of centerline, up to 510' MSL.
Trees beginning 1.5 NM from DER, 1803' left of centerline, up to 518' MSL.
Trees beginning 1.5 NM from DER, 2256' left of centerline, up to 538' MSL.
Trees beginning 1.7 NM from DER, 2715' left of centerline, up to 552' MSL.
Tree 1.7 NM from DER, 1878' right of centerline, 513' MSL.
Tree 1.7 NM from DER, 2415' right of centerline, 518' MSL.
Trees beginning 1.7 NM from DER, 3132' left of centerline, up to 558' MSL.
Trees beginning 1.8 NM from DER, 2020' right of centerline, up to 525' MSL.
Tree 1.9 NM from DER, 2660' right of centerline, 531' MSL.
Tree 1.9 NM from DER, 2137' right of centerline, 574' MSL.
Trees, building beginning 2 NM from DER, 1846' right of centerline, up to 626' MSL.
Trees beginning 2.1 NM from DER, 2523' left of centerline, up to 570' MSL.
Tree 2.2 NM from DER, 3232' left of centerline, 579' MSL.
Tree 2.2 NM from DER, 3506' left of centerline, 585' MSL.
Trees beginning 2.2 NM from DER, 3519' left of centerline, up to 597' MSL.
Tree 2.3 NM from DER, 3950' left of centerline, 595' MSL.

DEBLOIS, ME

DEBLOIS FLIGHT STRIP (43B)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 01FEB18 (18032) (FAA)

DEPARTURE PROCEDURE:

Rwy 33, use DEBLOIS departure.

DEXTER, ME

DEXTER RGNL (1B0)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 05APR12 (12096) (FAA)

TAKEOFF MINIMUMS:

Rwys 7, 25, NA, Turf.
Rwy 34, 600-2½ or std. w/min. climb of 355' per NM to 1200.

DEPARTURE PROCEDURE:

Rwy 16, climb heading 157° to 1200 before turning northeast bound.
Rwy 34, climb heading 337° to 1300 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 16, trees, power lines, vehicles, and buildings beginning 105' from DER, left and right of centerline, up to 100' AGL/629' MSL.
Rwy 34, trees beginning 53' from DER, left and right of centerline, up to 100' AGL/619' MSL.

EASTPORT, ME

EASTPORT MUNI (EPM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 23JUN94 (94174) (FAA)
TAKEOFF MINIMUMS:
Rwy 33, 300-1 or std. with a min. climb of 240' per NM to 300.

ELIOT, ME

SEACOAST AIRFIELD (3B4)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 04SEP03 (22251) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 12, house 118'right of DER, 23' AGL/129' MSL.
Brush 200' from DER, 66' left of centerline, 16' AGL/122' MSL.
Trees 345' from DER, 140' left of centerline, 71' AGL/130' MSL.
Rwy 30, trees 220' from DER, 125' right of centerline, 19' AGL/144' MSL.
Brush 100' right of DER, 20' AGL/159' MSL.

FALMOUTH, MA

CAPE COD COAST GUARD AIR STATION (FMH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 25FEB21 (21056) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 5, pole 5' from DER, 8' right of centerline, 1' AGL/127' MSL.
Traverse way 5' from DER, 2' left of centerline, 1' AGL/127' MSL.
Tree 1265' from DER, 694' right of centerline, 164' MSL.
Trees beginning 1422' from DER, 732' right of centerline, up to 171' MSL.
Tree 1562' from DER, 726' left of centerline, 170' MSL.
Tree 1826' from DER, 258' right of centerline, 173' MSL.
Tree 1882' from DER, 234' left of centerline, 174' MSL.
Tree 2029' from DER, 261' left of centerline, 177' MSL.
Tree 2392' from DER, 293' right of centerline, 189' MSL.
Tree 2420' from DER, 268' left of centerline, 189' MSL.
Tree 3144' from DER, 302' left of centerline, 209' MSL.
Tree 3446' from DER, 393' left of centerline, 213' MSL.
Trees beginning 3572' from DER, 243' left of centerline, up to 221' MSL.
Tree 3976' from DER, 63' right of centerline, 225' MSL.
Tree 4078' from DER, 196' right of centerline, 228' MSL.
Rwy 14, tree 1138' from DER, 749' right of centerline, 148' MSL.
Tree 1190' from DER, 818' left of centerline, 150' MSL.
Trees beginning 1333' from DER, 224' right of centerline, up to 155' MSL.
Rwy 23, sign 16' from DER, 236' left of centerline, 3' AGL/111' MSL.
Tree 1061' from DER, 635' right of centerline, 151' MSL.
Rwy 32, terrain 23' from DER, 25' left of centerline, 131' MSL.
Terrain beginning 45' from DER, 448' right of centerline, up to 137' MSL.
Terrain 264' from DER, 543' right of centerline, 138' MSL.
Tree 1947' from DER, 373' right of centerline, 180' MSL.
Tree 1973' from DER, 300' right of centerline, 184' MSL.
Tree 2021' from DER, 560' right of centerline, 185' MSL.
Tree 2061' from DER, 724' right of centerline, 189' MSL.

FALMOUTH AIRPARK (5B6)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 24MAR22 (22307) (FAA)
TAKEOFF MINIMUMS:
Rwy 25, std. w/min. climb of 235' per NM to 700, or 1000 and 3 for VCOA.
VCOA:
Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Falmouth Airpark at or above 800 before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 7, multiple trees 64' from DER, 458' right of centerline, 80' AGL/133' MSL.
Multiple trees beginning 76'from DER, 30' right of centerline, up to 80' AGL/140' MSL.
Multiple trees 87' from DER, 300' left of centerline, 80' AGL/133' MSL.
Multiple trees beginning 265' from DER, 16' left of centerline, up to 80' AGL/136' MSL.
Multiple trees beginning 1902' from DER, 18' left of centerline, up to 80' AGL/140' MSL.
Multiple trees beginning 2080' from DER, 28' right of centerline, up to 80' AGL/143' MSL.
Multiple trees beginning 2270' from DER, 19' left of centerline, up to 80' AGL/143' MSL.
Multiple trees beginning 3573' from DER, 115' left of centerline, up to 80' AGL/146' MSL.
CON'T

22 FEB 2024 to 21 MAR 2024
22 FEB 2024 to 21 MAR 2024

FALMOUTH, MA (CON'T)

FALMOUTH AIRPARK (B56) (CON'T)

Rwy 25, tree 10' from DER, 217' right of centerline, 80' AGL/119' MSL.
Multiple trees beginning 166' from DER, 6' right of centerline, up to 80' AGL/123' MSL.
Multiple trees beginning 188' from DER, 81' left of centerline, up to 80' AGL/113' MSL.
Tree 230' from DER, 550' right of centerline, 80' AGL/129' MSL.
Multiple trees beginning 344' from DER, 12' right of centerline, up to 80' AGL/136' MSL.
Multiple trees beginning 912' from DER, 34' left of centerline, up to 80' AGL/120' MSL.

FITCHBURG, MA

FITCHBURG MUNI (FIT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 6 22APR21 (21112) (FAA)

TAKEOFF MINIMUMS:
Rwys 2, 14, 20, NA - Obstacles.
Rwy 32, std. w/min. climb of 360' per NM to 2600 or 1900-3 for VCOA.

DEPARTURE PROCEDURE:
Rwy 32, climb on heading 325° to 1100 before proceeding on course.

VCOA:
Rwy 32, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Fitchburg Muni airport at or above 2100 before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 32, vegetation 8' from DER, 197' right of centerline, 349' MSL.
Trees, vegetation, building beginning 33' from DER, 17' right of centerline, up to 438' MSL.
Trees beginning 2128' from DER, 28' right of centerline, up to 59' AGL/441' MSL.
Trees beginning 2816' from DER, 164' left of centerline, up to 65' AGL/444' MSL.
Trees, stack beginning 3368' from DER, 152' right of centerline, up to 449' MSL.
Building 3757' from DER, 192' left of centerline, 92' AGL/465' MSL.
Trees beginning 4464' from DER, 29' right of centerline, up to 518' MSL.
Trees, pole beginning 5505' from DER, 95' left of centerline, up to 589' MSL.
Trees beginning 1.2 NM from DER, 640' left of centerline, up to 685' MSL.
Trees, building beginning 1.6 NM from DER, 506' left of centerline, up to 52' AGL/691' MSL.
Trees beginning 1.6 NM from DER, 1' right of centerline, up to 721' MSL.
Tree 2 NM from DER, 3238' left of centerline, 790' MSL.
Tree 2.3 NM from DER, 1717' left of centerline, 836' MSL.
Antenna, pole, trees beginning 2.3 NM from DER, 1296' left of centerline, up to 134' AGL/954' MSL.

FRENCHVILLE, ME

NORTHERN AROOSTOOK RGNL (FVE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 25OCT07 (07298) (FAA)

TAKEOFF MINIMUMS:
Rwy 32, 300-1¼ or std. w/ min. climb of 503' per NM to 1300.

TAKEOFF OBSTACLE NOTES:
Rwy 14, trees beginning 101' from DER, 348' right of centerline, up to 80' AGL/1079' MSL.
Rwy 32, trees beginning 3128' from DER, 952' left of centerline, up to 80' AGL/1179' MSL.
Trees beginning 1608' from DER, 433' right of centerline, up to 80' AGL/1119' MSL.

FRYEBURG, ME

EASTERN SLOPES RGNL (IZG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 5 05OCT23 (23278) (FAA)

TAKEOFF MINIMUMS:
Rwy 14, std w/min climb of 285'/NM to 3400, or 3600-3 for VCOA.
Rwy 32, 700-1¾ w/min climb of 460'/NM to 6600 or std w/min climb of 904'/NM to 4900, or 3600-3 for VCOA.

DEPARTURE PROCEDURE:
Rwy 14, climb on heading 143° to 2900 before turning.
Rwy 32, climb on heading 323° to 1300 before turning left.

VCOA:
All runways, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Eastern Slopes Rgnl airport at or above 3900 before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 14, trees beginning 2' from DER, 237' left of centerline, up to 443' MSL.
Trees beginning 29' from DER, 222' right of centerline, up to 449' MSL.
Trees beginning 116' from DER, 298' right of centerline, up to 456' MSL.
Trees beginning 340' from DER, 71' left of centerline, up to 447' MSL.
Trees beginning 719' from DER, 120' left of centerline, up to 454' MSL.
Tree 1425' from DER, 876' right of centerline, 468' MSL.
Tree 1608' from DER, 663' right of centerline, 480' MSL.
Trees beginning 1618' from DER, 795' right of centerline, up to 492' MSL.
Tree 2077' from DER, 836' left of centerline, 475' MSL.
Tree 1.7 NM from DER, 3212' right of centerline, 692' MSL.

CON'T

FRYEBURG, ME (CON'T)

EASTERN SLOPES RGNL (IZG) (CON'T)

Rwy 14 (CON'T), trees beginning 1.8 NM from DER, 3046' right of centerline, up to 699' MSL.
Building 1.9 NM from DER, 3712' right of centerline, 28' AGL/806' MSL.
Trees beginning 2 NM from DER, 3413' right of centerline, up to 819' MSL.
Rwy 32, trees beginning 27' from DER, 318' left of centerline, up to 465' MSL.
Tree 56' from DER, 348' right of centerline, 492' MSL.
Trees beginning 99' from DER, 360' right of centerline, up to 496' MSL.
Tree 146' from DER, 406' left of centerline, 470' MSL.
Tree 197' from DER, 474' left of centerline, 490' MSL.
Trees beginning 336' from DER, 150' left of centerline, up to 493' MSL.
Trees beginning 417' from DER, 61' right of centerline, up to 505' MSL.
Trees beginning 428' from DER, 219' left of centerline, up to 511' MSL.
Trees beginning 512' from DER, 44' right of centerline, up to 511' MSL.
Trees beginning 530' from DER, 326' left of centerline, up to 516' MSL.
Trees beginning 558' from DER, 13' right of centerline, up to 521' MSL.
Trees beginning 633' from DER, 55' left of centerline, up to 527' MSL.
Trees beginning 965' from DER, 259' right of centerline, up to 529' MSL.
Trees beginning 1219' from DER, 249' right of centerline, up to 548' MSL.
Trees beginning 1366' from DER, 132' right of centerline, up to 575' MSL.
Trees beginning 1521' from DER, 99' right of centerline, up to 599' MSL.
Trees beginning 1562' from DER, 101' left of centerline, up to 531' MSL.
Trees beginning 1569' from DER, 205' left of centerline, up to 534' MSL.
Trees beginning 1632' from DER, 98' right of centerline, up to 621' MSL.
Trees beginning 1699' from DER, 45' left of centerline, up to 540' MSL.
Trees beginning 1801' from DER, 161' left of centerline, up to 545' MSL.
Trees beginning 1861' from DER, 46' left of centerline, up to 549' MSL.
Trees beginning 1896' from DER, 526' right of centerline, up to 631' MSL.
Trees beginning 1984' from DER, 63' right of centerline, up to 679' MSL.
Trees beginning 1988' from DER, 15' left of centerline, up to 550' MSL.
Trees beginning 2195' from DER, 61' left of centerline, up to 551' MSL.
Trees beginning 5928' from DER, 1908' left of centerline, up to 629' MSL.
Trees beginning 1 NM from DER, 1714' left of centerline, up to 630' MSL.
Trees beginning 1.1 NM from DER, 1562' left of centerline, up to 723' MSL.
Trees beginning 1.2 NM from DER, 1342' left of centerline, up to 938' MSL.
Trees beginning 1.3 NM from DER, 1336' left of centerline, up to 1054' MSL.
Trees beginning 1.5 NM from DER, 2796' left of centerline, up to 700' MSL.

GARDNER, MA

GARDNER MUNI (GDM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 10JAN13 (13010) (FAA)

TAKEOFF MINIMUMS:
Rwys 18, 36, 1000-2½ for climb in visual conditions.

DEPARTURE PROCEDURE:
Rwys 18, 36, for climb in visual conditions, cross Gardner Muni airport at or above 1900 before proceeding on course. When executing VCOA, notify ATC prior to departure.

TAKEOFF OBSTACLE NOTES:
Rwy 18, trees beginning 3' from DER, 470' right of centerline, up to 100' AGL/1183' MSL.
Trees beginning 58' from DER, 172' left of centerline, up to 100' AGL/1183' MSL.
Trees beginning 1.0 NM from DER, 1579' left of centerline, up to 100' AGL/1229' MSL.
Trees beginning 1.3 NM from DER, 2535' right of centerline, up to 100' AGL/1163' MSL.
Rwy 36, trees beginning 130' from DER, 260' right of centerline, up to 100' AGL/1091' MSL.
Trees beginning 159' from DER, 436' left of centerline, up to 100' AGL/1104' MSL.

GREAT BARRINGTON, MA

WALTER J KOLADZA (GBR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 02MAY13 (13122) (FAA)

TAKEOFF MINIMUMS:
Rwy 11, std. w/ min. climb of 570' per NM to 2500' or 2300-3 for climb in visual conditions.
Rwy 29, std. w/ min. climb of 405' per NM to 2600' or 2300-3 for climb in visual conditions.

DEPARTURE PROCEDURE:
Rwy 11, climb heading 110° to 2500 before proceeding on course or for climb in visual conditions: cross Walter J. Koladza airport at or above 2900 MSL before proceeding on course. When executing VCOA, notify ATC prior to departure. **Rwy 29,** climb heading 290° to 2600 before proceeding on course or for climb in visual conditions: cross Walter J. Koladza airport at or above 2900 MSL before proceeding on course. When executing VCOA, notify ATC prior to departure.

TAKEOFF OBSTACLE NOTES:
Rwy 11, vehicles beginning 5' from DER, from 253' left to 531' right of centerline, up to 15' AGL/740' MSL.
Trees beginning 55' from DER, from 282' left of centerline to 898' left of centerline, up to 100' AGL/ 854' MSL.
Trees beginning 505' from DER, 496' right of centerline, up to 100' AGL/ 854' MSL.
Trees beginning 1337' from DER, 91' right of centerline, up to 100' AGL/ 874' MSL.
Vehicles beginning at 1635' from DER, from 951' left to 926' right of centerline, up to 15' AGL/ 740' MSL.

CON'T

22 FEB 2024 to 21 MAR 2024
22 FEB 2024 to 21 MAR 2024

GREAT BARRINGTON, MA (CON'T)

WALTER J KOLADZA (GBR) (CON'T)

Rwy 29, vehicles beginning 16' from DER, 471' left of centerline to 1815' right of centerline, up to 15' AGL/ 864' MSL.
Trees beginning 19' from DER, from 249' to 1532' right of centerline, up to 100' AGL/ 844' MSL.
Trees beginning 19' from DER, from 495' to 2608' left of centerline, up to 100' AGL/ 844' MSL.
Trees beginning 496' from DER, 495' left of centerline, up to 100' AGL/844' MSL.
Trees beginning 250' from DER, 249' right of centerline, up to 100' AGL/844' MSL.
Trees beginning 429' from DER, 17' left of centerline, up to 100' AGL/ 834' MSL.
Vehicles beginning at 1562' from DER, from 897' left to 826' right of centerline, up to 15' AGL/759' MSL.
Trees beginning 1650' from DER, 154' right of centerline, up to 100' AGL/844' MSL.

GREENVILLE, ME

GREENVILLE MUNI (3B1)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 17JUN21 (21168) (FAA)

TAKEOFF MINIMUMS:
Rwy 3, 900-2¾ w/min. climb of 340' per NM to 3800, or 2000-3 for VCOA.
Rwy 14, std. w/min. climb of 300' per NM to 3500, or 2000-3 for VCOA.
Rwy 21, 300-1 w/min. climb of 330' per NM to 3600, or 2000-3 for VCOA.
Rwy 32, std. w/min. climb of 430' per NM to 4200, or 2000-3 for VCOA.

DEPARTURE PROCEDURE:
Rwy 3, climb on heading 027° to 4000 before proceeding on course.
Rwy 14, climb on heading 135° to 3000 before proceeding on course.
Rwy 32, climb on heading 315° to 2300 before proceeding on course.

VCOA:
All runways, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Greenville Muni airport at or above 3300 before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 3, vehicles on road 293' from DER, across centerline, 15' AGL/1415' MSL.
Trees beginning 1.3 NM from DER, 1611' left of centerline, up to 1620' MSL.
Trees beginning 1.4 NM from DER, 1279' left of centerline, up to 1689' MSL.
Trees beginning 1.4 NM from DER, 1230' left of centerline, up to 1699' MSL.
Tree 1.5 NM from DER, 1977' left of centerline, 1760' MSL.
Trees beginning 1.5 NM from DER, 1569' left of centerline, up to 1785' MSL.
Trees beginning 1.6 NM from DER, 2067' left of centerline, up to 1839' MSL.
Tree 1.6 NM from DER, 2646' left of centerline, 1863' MSL.
Tree 1.7 NM from DER, 1548' left of centerline, 1867' MSL.
Trees beginning 1.7 NM from DER, 793' left of centerline, up to 1887' MSL.
Trees beginning 1.8 NM from DER, 345' left of centerline, up to 1946' MSL.
Trees beginning 1.8 NM from DER, 465' left of centerline, up to 1965' MSL.
Trees beginning 1.9 NM from DER, 1005' left of centerline, up to 2022' MSL.
Trees beginning 1.9 NM from DER, 303' right of centerline, up to 1762' MSL.
Trees beginning 2 NM from DER, 349' left of centerline, up to 2059' MSL.
Tree 2 NM from DER, 1336' left of centerline, 2125' MSL.
Tree beginning 2 NM from DER, 29' left of centerline, up to 100' AGL/2174' MSL.
Tree 2.1 NM from DER, 464' right of centerline, 1862' MSL.
Tree 2.1 NM from DER, 1189' left of centerline, 100' AGL/2213' MSL.
Tree 2.2 NM from DER, 227' left of centerline, 100' AGL/1980' MSL.
Rwy 14, trees beginning 909' from DER, 3' right of centerline, up to 100' AGL/1508' MSL.
Trees beginning 1428' from DER, 76' right of centerline, up to 100' AGL/1511' MSL.
Rwy 21, trees beginning 801' from DER, 699' left of centerline, 100' AGL/1541' MSL.
Trees beginning 836' from DER, 3' left of centerline, up to 100' AGL/1551' MSL.
Trees beginning 1136' from DER, 537' left of centerline, up to 100' AGL/1534' MSL.
Rwy 32, vehicles on road 43' from DER, 488' right of centerline, 1394' MSL.
Trees beginning 62' from DER, 337' left of centerline, up to 1423' MSL.
Tower 70' from DER, 337' right of centerline, 42' AGL/1422' MSL.
Tree 135' from DER, 533' right of centerline, 1427' MSL.
Tree, vehicles on road beginning 178' from DER, 316' right of centerline, up to 1437' MSL.
Trees beginning 185' from DER, 348' left of centerline, up to 1428' MSL.

22 FEB 2024 to 21 MAR 2024
22 FEB 2024 to 21 MAR 2024

GREENVILLE, ME (CON'T)

MOOSEHEAD AERO MARINE (52B)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3A 11AUG22 (22223) (FAA)

TAKEOFF MINIMUMS:

Sea Lane 14, std. w/min. climb of 849' per NM to 2200 or 500-2½ w/min. climb of 280' per NM to 2600 or 3900-3 for VCOA.
Sea Lane 18, std. w/min. climb of 378' per NM to 2800 or 3900-3 for VCOA.
Sea Lane 32, std. w/min. climb of 685' per NM to 2500 or 700-1½ w/min. climb of 300' per NM to 4000 or 3900-3 for VCOA.
Sea Lane 36, std. w/min. climb of 270' per NM to 3300 or 3900-3 for VCOA.

DEPARTURE PROCEDURE:

Sea Lane 14, climb on heading 140° to 3300 before proceeding on course.
Sea Lane 18, climb on heading 180° to 2800 before proceeding on course.
Sea Lane 32, climb on heading 335° to 4000 before proceeding on course.
Sea Lane 36, climb on heading 360° to 3600 before proceeding on course.

VCOA:

All Sea Lanes, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Moosehead Aero Marine seaplane base at or above 3800 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Sea Lane 14, trees beginning 4116' prior to DER, 296' left of centerline, up to 80' AGL/1119' MSL.
Trees beginning 3063' prior to DER, 191' right of centerline, up to 80' AGL/1159' MSL.
Boats beginning at DER, from 500' left to 500' right of centerline, up to 20' AGL/1048' MSL.
Trees beginning 2' from DER, 167' left of centerline, up to 80' AGL/1179' MSL.
Sea Lane 18, trees beginning 2274' prior to DER, 370' left of centerline, up to 80' AGL/1119' MSL.
Boats beginning at DER, from 500' left to 500' right of centerline, up to 20' AGL/1048' MSL.
Trees beginning 711' from DER, 621' right of centerline, up t0 80' AGL/1179' MSL.
Trees beginning 1212' from DER, 783' left of centerline, up to 80' AGL/1139' MSL.
Sea Lane 32, trees beginning 3390' prior to DER, 191' left of centerline, up to 80' AGL/1159' MSL.
Trees beginning 2976' prior to DER, 296' right of centerline, up to 80' AGL/1119' MSL.
Boats beginning at DER, from 500' left to 500' right of centerline, up to 20' AGL/1048' MSL.
Trees beginning 2328' from DER, 1082' right of centerline, up to 80' AGL/1179ft MSL.
Sea Lane 36, trees beginning 2755' prior to DER, 370' right of centerline, up to 80' AGL/1119' MSL.
Trees beginning 571' prior to DER, 290' left of centerline, up to 80' AGL/1119' MSL.
Boats beginning at DER, from 500 ' left to 500' right of centerline, up to 20' AGL/1048' MSL.
Trees beginning 694' from DER, 381' left of centerline, up to 80' AGL/1179' MSL.
Trees beginning 2440' from DER, 650' right of centerline, up to 80' AGL/1119' MSL.

GROTON (NEW LONDON), CT

GROTON-NEW LONDON (GON)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 8A 07SEP23 (23250) (FAA)

TAKEOFF MINIMUMS:

Rwy 5, 300-2 or std w/min climb of 267'/NM to 400.
Rwy 15, 300-1 or std w/min climb of 430'/NM to 300.
Rwy 33, 300-1⅜ or std w/min climb of 390'/NM to 300.

DEPARTURE PROCEDURE:

Rwy 33, climb on GON VOR/DME R-335 to 2000 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 5, utility building 73' from DER, 150' left of centerline, 3' AGL/9' MSL.
Fences beginning 186' from DER, 480' left of centerline, up to 7' AGL/18' MSL.
Poles, vehicles on road beginning 205' from DER, 467' left of centerline, up to 30' AGL/39' MSL.
Tree, poles, NAVAID beginning 415' from DER, 261' left of centerline, up to 38' AGL/50' MSL.
Tree 652' from DER, 491' left of centerline, 55' MSL.
Trees, poles, tower beginning 828' from DER, 122' left of centerline, up to 79' AGL/91' MSL.
Trees beginning 1322' from DER, 645' right of centerline, up to 85' MSL.
Tree, buildings beginning 1509' from DER, 315' right of centerline, up to 86' MSL.
Trees beginning 2867' from DER, 1025' right of centerline, up to 94' MSL.
Tree 3240' from DER, 1032' left of centerline, 98' MSL.
Rwy 15, trees beginning 1702' from DER, 208' left of centerline, up to 55' MSL.
Tree 1897' from DER, 831' left of centerline, 75' MSL.
Tree 2132' from DER, 856' left of centerline, 78' MSL.
Trees beginning 2275' from DER, 596' left of centerline, up to 102' MSL.
Trees beginning 2535' from DER, 508' left of centerline, up to 105' MSL.
Trees beginning 2685' from DER, 666' left of centerline, up to 147' MSL.
Trees beginning 2785' from DER, 70' left of centerline, up to 154' MSL.
Trees beginning 2879' from DER, 43' left of centerline, up to 156' MSL.
Tree 3376' from DER, 144' right of centerline, 100' MSL.
Trees beginning 3613' from DER, 103' right of centerline, up to 117' MSL.
Tree 3876' from DER, 242' right of centerline, 123' MSL.
Trees beginning 3956' from DER, 8' right of centerline, up to 146' MSL.
Rwy 23, vegetation 569' from DER, 490' right of centerline, 12' AGL/21' MSL.
Tree 2769' from DER, 698' left of centerline, 76' MSL.
Trees beginning 4894' from DER, 1717' right of centerline, up to 100' AGL/139' MSL.
Tree 5076' from DER, 1810' right of centerline, 100' AGL/149' MSL.

CON'T

GROTON (NEW LONDON), CT (CON'T)

GROTON-NEW LONDON (GON) (CON'T)

Rwy 33, trees, pole, vehicle on road beginning 160' from DER, 80' left of centerline, up to 36' AGL/42' MSL.
Pole, trees beginning 196' from DER, 88' right of centerline, up to 24' AGL/30' MSL.
Trees beginning 244' from DER, 143' right of centerline, up to 38' MSL.
Trees beginning 327' from DER, 220' right of centerline, up to 66' MSL.
Tree 421' from DER, 516' left of centerline, 43' MSL.
Trees, poles beginning 424' from DER, 43' right of centerline, up to 67' MSL.
Trees beginning 438' from DER, 172' left of centerline, up to 40' AGL/48' MSL.
Trees beginning 509' from DER, 387' left of centerline, up to 50' MSL.
Trees beginning 540' from DER, 18' left of centerline, up to 51' MSL.
Trees beginning 597' from DER, 145' left of centerline, up to 52' MSL.
Trees beginning 672' from DER, 45' left of centerline, up to 52' AGL/59' MSL.
Trees beginning 779' from DER, 102' left of centerline, up to 55' AGL/61' MSL.
Trees beginning 1026' from DER, 103' left of centerline, up to 71' MSL.
Trees beginning 1041' from DER, 1' left of centerline, up to 77' MSL.
Trees beginning 1122' from DER, 16' right of centerline, up to 67' AGL/73' MSL.
Trees beginning 1406' from DER, 22' left of centerline, up to 83' MSL.
Trees beginning 1486' from DER, 130' left of centerline, up to 87' MSL.
Trees beginning 1507' from DER, 23' left of centerline, up to 94' MSL.
Trees beginning 1711' from DER, 101' right of centerline, up to 84' MSL.
Trees beginning 1828' from DER, 278' right of centerline, up to 80' AGL/86' MSL.
Trees beginning 1854' from DER, 7' right of centerline, up to 96' MSL.
Trees beginning 2207' from DER, 45' right of centerline, up to 104' MSL.
Trees beginning 2287' from DER, 590' left of centerline, up to 96' MSL.
Trees beginning 2527' from DER, 171' left of centerline, up to 119' MSL.
Trees beginning 2836' from DER, 178' left of centerline, up to 138' MSL.
Trees beginning 3041' from DER, 177' left of centerline, up to 143' MSL.
Trees beginning 3412' from DER, 255' left of centerline, up to 144' MSL.
Trees beginning 3682' from DER, 82' left of centerline, up to 145' MSL.
Trees, poles beginning 3884' from DER, 7' left of centerline, up to 160' MSL.
Tree 4658' from DER, 1663' right of centerline, 138' MSL.
Trees beginning 4697' from DER, 223' right of centerline, up to 139' MSL.
Trees beginning 4798' from DER, 148' right of centerline, up to 144' MSL.
Trees beginning 4855' from DER, 42' right of centerline, up to 156' MSL.
Trees beginning 5134' from DER, 46' right of centerline, up to 160' MSL.

HARTFORD, CT

HARTFORD-BRAINARD (HFD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 6 20JUN19 (19171) (FAA)

TAKEOFF MINIMUMS:
Rwys 11, 29, NA - Environmental.
Rwy 20, 200-1⅝ or std. w/min. climb of 220' per NM to 300, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1500' prior to DER.

DEPARTURE PROCEDURE:
Rwy 2, climb heading 024° to 900 before turning left.
Rwy 20, climbing left turn heading 175° to 1300 before turning right.

TAKEOFF OBSTACLE NOTES:
Rwy 2, dam and trees beginning 57' from DER, on centerline, up to 94' AGL/101' MSL.
Building 376' from DER, 593' left of centerline, 26' AGL/57' MSL.
Vegetation and trees beginning 765' from DER, 72' left of centerline, up to 50' AGL/84' MSL.
Tree 1073' from DER, 172' left of centerline, 93' AGL/98' MSL.
Tree 1483' from DER, 594' left of centerline, 95' AGL/124' MSL.
Building and trees beginning 2047' from DER, 476' right of centerline, up to 79' AGL/119' MSL.
Tree 2386' from DER, 47' right of centerline, 96' AGL/124' MSL.
Building and trees beginning 2418' from DER, 416' right of centerline, up to 87' AGL/125' MSL.
Tree 2458' from DER, 59' left of centerline, 116' AGL/133' MSL.
Tree 2544' from DER, 193' left of centerline, 122' AGL/134' MSL.
Rwy 20, poles beginning 196' from DER, 400' right of centerline, up to 12' AGL/42' MSL.
Tree 365' from DER, 423' left of centerline, 49' AGL/85' MSL.
Dam, vegetation, and trees beginning 582' from DER, 52' left of centerline, up to 62' AGL/89' MSL.
Building 649' from DER, 665' right of centerline, 45' AGL/58' MSL.
Trees beginning 798' from DER, 395' right of centerline, up to 23' AGL/65' MSL.
Tree 1137' from DER, 228' right of centerline, 37' AGL/85' MSL.
Tree 1292' from DER, 494' right of centerline, 59' AGL/103' MSL.
Trees beginning 1322' from DER, 207' right of centerline, up to 67' AGL/119' MSL.
Tree 1836' from DER, 172' left of centerline, 97' AGL/97' MSL.
Trees beginning 2505' from DER, 28' right of centerline, up to 119' AGL/138' MSL.
Tree 3953' from DER, 200' left of centerline, 50' AGL/119' MSL.
Tree 4639' from DER, 136' right of centerline, 69' AGL/142' MSL.
Spire 1.1 NM from DER, 431' left of centerline, 150' AGL/195' MSL.

HAVERHILL, NH
DEAN MEML (5B9)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 17JUN21 (21364) (FAA)
TAKEOFF MINIMUMS:
Rwy 19, NA-Terrain.
Rwy 1, std. w/min. climb of 355' per NM to 1500, or 1300-3 for VCOA.
DEPARTURE PROCEDURE:
Rwy 1, climb on heading 353° to intercept MPV VOR/DME R-088 westbound to 4700 before proceeding on course.
VCOA:
Rwy 1, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Dean Meml airport heading 353° at or above 1500 to intercept MPV VOR/DME R-088 westbound to 4700 before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 1, vehicles on road 22' from DER, 439' right of centerline, 15' AGL/555' MSL.
Transmission lines beginning 176' from DER, 178' right of centerline, up to 37' AGL/582' MSL.
Buildings 279' from DER, 291' left of centerline, 24' AGL/563' MSL.
Transmission lines 417' from DER, 151' left of centerline, 37' AGL/573' MSL.
Trees beginning 868' from DER, 329' right of centerline, up to 100' AGL/640' MSL.

HIGHGATE, VT
FRANKLIN COUNTY STATE (FSO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 30JUN11 (11181) (FAA)
TAKEOFF MINIMUMS:
Rwy 19, 500-2¾ or std. w/min. climb of 316' per NM to 800.
DEPARTURE PROCEDURE:
Rwy 19, climbing right turn heading 240° to 1700 before turning east.
TAKEOFF OBSTACLE NOTES:
Rwy 1, vehicles on road beginning at DER, 459' left of centerline, up to 15' AGL/234' MSL.
Trees beginning 182' from DER, 47' right of centerline, up to 100' AGL/359' MSL.
Trees beginning 454' from DER, 20' left of centerline, up to 100' AGL/289' MSL.
Rwy 19, vehicles on road beginning 1' from DER, 240' right of centerline, up to 15' AGL/240' MSL.
Trees beginning 215' from DER, 313' right of centerline, up to 90' AGL/309' MSL.
Trees beginning 628' from DER, 660' left of centerline, up to 62' AGL/281' MSL.
Pole 688' from DER, 656' left of centerline, 43' AGL/262' MSL.
Catenary 1299' from DER, 734' left of centerline, 44' AGL/263' MSL.

HOPEDALE, MA
HOPEDALE INDUSTRIAL PARK (1B6)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 07DEC95 (95341) (FAA)
TAKEOFF MINIMUMS:
Rwy 18, 300-1 or std. with a min. climb of 320' per NM to 900.
Rwy 36, 600-1 or std. with a min. climb of 280' per NM to 1100.
DEPARTURE PROCEDURE:
Rwy 18, climb runway heading to 900 before turning on course.
Rwy 36, climb runway heading to 1100 before turning on course.

HOULTON, ME
HOULTON INTL (HUL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 25FEB21 (21056) (FAA)
TAKEOFF MINIMUMS:
Rwy 1, 300-1⅜ or std. w/ min. climb of 385' per NM to 800.
Rwy 5, 400-2 or std. w/ min. climb of 355' per NM to 900.
Rwy 19, 400-2¾ w/ min. climb of 225' per NM to 1100 or 1100-2½ for VCOA.
Rwy 23, 300-1¾ or std. w/ min. climb of 315' per NM to 900.
DEPARTURE PROCEDURE:
Rwy 1, climb on heading 010° to 1000 before turning right.
Rwy 5, climb on heading 049° to 1200 before turning right.
Rwy 19, climb on heading 190° to 1100 before turning left.
Rwy 23, climb on heading 229° to 1000 before turning left.
VCOA:
Rwy 19, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Houlton Intl Airport at or above 1400 before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 1, trees and poles beginning 166' from DER, 34' right of centerline, up to 564' MSL.
Vehicles on road 487' from DER, left and right of centerline, 15' AGL/514' MSL.
Poles beginning 700' from DER, 105' left of centerline, up to 34' AGL/512' MSL.
Tree 2706' from DER, 516' left of centerline, 74' AGL/597' MSL.
Tree 3455' from DER, 970' left of centerline, 643' MSL.
Tree 3928' from DER, 410' left of centerline, 657' MSL.
CON'T

HOULTON, ME (CON'T)

HOULTON INTL (HUL) (CON'T)

Rwy 1 (CON'T), trees beginning 4441' from DER, 61' right of centerline, up to 658' MSL.
Tree 4497' from DER, 661' left of centerline, 688' MSL.
Trees beginning 4537' from DER, 731' left of centerline, up to 692' MSL.
Trees beginning 5553' from DER, 270' right of centerline, up to 687' MSL.
Tree 1.1 NM from DER, 165' right of centerline, 648' MSL.
Rwy 5, sign 25' from DER, 113' left of centerline, 491' MSL.
Sign 25' from DER, 111' right of centerline, 491' MSL.
Terrain 35' from DER, 384' right of centerline, 497' MSL.
Trees beginning 80' from DER, 253' left of centerline, up to 500' MSL.
Terrain 89' from DER, 495' right of centerline, 498' MSL.
Trees and terrain beginning 110' from DER, 146' right of centerline, up to 19' AGL/510' MSL.
Trees and terrain beginning 266' from DER, 115' right of centerline, up to 527' MSL.
Trees and traverse ways beginning 646' from DER, 168' right of centerline, up to 567' MSL.
Trees beginning 769' from DER, 451' left of centerline, up to 523' MSL.
Trees beginning 872' from DER, 194' left of centerline, up to 524' MSL.
Trees beginning 915' from DER, 47' left of centerline, up to 55' AGL/532' MSL.
Trees, traverse way beginning 1070' from DER, 150' right of centerline, up to 571' MSL.
Trees, building, traverse way, and electrical system beginning 1175' from DER, 120' right of centerline, up to 592' MSL.
Trees beginning 1577' from DER, 248' right of centerline, up to 602' MSL.
Trees, pole, and terrain beginning 1800' from DER, 148' right of centerline, up to 618' MSL.
Pole 2028' from DER, 116' left of centerline, 84' AGL/547' MSL.
Pole 2316' from DER, 229' left of centerline, 85' AGL/549' MSL.
Trees and terrain beginning 2347' from DER, 443' right of centerline, up to 620' MSL.
Trees, terrain, traverse ways, and pole beginning 2606' from DER, 280' right of centerline, up to 636' MSL.
Tree 3056' from DER, 759' left of centerline, 566' MSL.
Tree 3399' from DER, 483' left of centerline, 87' AGL/575' MSL.
Trees beginning 4464' from DER, 1240' right of centerline, up to 660' MSL.
Trees beginning 4593' from DER, 1155' right of centerline, up to 664' MSL.
Trees beginning 5147' from DER, 1511' right of centerline, up to 685' MSL.
Trees and traverse way beginning 5253' from DER, 1386' right of centerline, up to 686' MSL.
Trees beginning 5480' from DER, 1409' right of centerline, up to 692' MSL.
Pole and tree beginning 5828' from DER, 1749' right of centerline, up to 696' MSL.
Trees beginning 5865' from DER, 1586' right of centerline, up to 697' MSL.
Trees beginning 5934' from DER, 1462' right of centerline, up to 712' MSL.
Trees beginning 6070' from DER, 1386' right of centerline, up to 713' MSL.
Pole, trees, terrain, and building beginning 1 NM from DER, 1343' right of centerline, up to 765' MSL.
Trees and terrain beginning 1.1 NM from DER, 1333' right of centerline, up to 788' MSL.
Trees and terrain beginning 1.2 NM from DER, 1464' right of centerline, up to 800' MSL.
Rwy 19, sign and terrain beginning 19' from DER, 300' left of centerline, up to 481' MSL.
Tree 31' from DER, 405' right of centerline, 508' MSL.
Trees beginning 149' from DER, 281' right of centerline, up to 517' MSL.
Terrain 445' from DER, 471' left of centerline, 485' MSL.
Fence 641' from DER, 500' left of centerline, 492' MSL.
Traverse way 764' from DER, 605' left of centerline, 15' AGL/504' MSL.
Traverse ways beginning 903' from DER, 600' left of centerline, up to 15' AGL/506' MSL.
Tree 2407' from DER, 501' right of centerline, 544' MSL.
Trees beginning 2423' from DER, 413' right of centerline, up to 548' MSL.
Trees beginning 2424' from DER, 347' left of centerline, up to 582' MSL.
Trees beginning 2898' from DER, 133' right of centerline, up to 75' AGL/562' MSL.
Tree 3223' from DER, 468' left of centerline, 626' MSL.
Tree 3358' from DER, 1015' left of centerline, 673' MSL.
Trees beginning 3838' from DER, 273' left of centerline, up to 703' MSL.
Trees beginning 4177' from DER, 1150' left of centerline, up to 760' MSL.
Trees beginning 4469' from DER, 133' left of centerline, up to 72' AGL/829' MSL.
Tree 5117' from DER, 36' right of centerline, 608' MSL.
Tree 1 NM from DER, 13' right of centerline, 641' MSL.
Trees beginning 1.6 NM from DER, 2274' right of centerline, up to 772' MSL.
Tree 1.7 NM from DER, 2831' right of centerline, 792' MSL.
Tree 1.8 NM from DER, 2939' right of centerline, 794' MSL.
Trees beginning 1.9 NM from DER, 1822' right of centerline, up to 77' AGL/798' MSL.
Trees beginning 2 NM from DER, 1571' right of centerline, up to 823' MSL.
Trees beginning 2.1 NM from DER, 1607' right of centerline, up to 75' AGL/873' MSL.
Trees beginning 2.2 NM from DER, 2186' right of centerline, up to 61' AGL/880' MSL.
Tree 2.4 NM from DER, 4335' left of centerline, 851' MSL.
Tree 2.5 NM from DER, 2356' left of centerline, 875' MSL.
Rwy 23, electrical system 54' from DER, 210' left of centerline, 485' MSL.
Trees beginning 132' from DER, 486' left of centerline, up to 512' MSL.
Trees beginning 264' from DER, 267' left of centerline, up to 522' MSL.
Tree 639' from DER, 449' right of centerline, 501' MSL.
Trees beginning 644' from DER, 110' right of centerline, up to 565' MSL.
Trees beginning 651' from DER, 372' left of centerline, up to 526' MSL.
Trees beginning 721' from DER, 2' left of centerline, up to 544' MSL.
Trees and terrain beginning 883' from DER, 1' right of centerline, up to 569' MSL.
CON'T

HOULTON, ME (CON'T)

HOULTON INTL (HUL) (CON'T)

Rwy 23 (CON'T), trees and terrain beginning 1230' from DER, on centerline, up to 594' MSL.
Trees beginning 1270' from DER, 1' left of centerline, up to 558' MSL.
Trees beginning 1536' from DER, 5' right of centerline, up to 601' MSL.
Trees beginning 1725' from DER, 7' right of centerline, up to 606' MSL.
Trees and poles beginning 1740' from DER, 3' left of centerline, up to 572' MSL.
Trees, antenna, buildings, tank, stack, poles beginning 2253' from DER, 1' right of centerline, up to 622' MSL.
Trees and poles beginning 2561' from DER, 1' left of centerline, up to 67' AGL/585' MSL.
Trees beginning 3318' from DER, 1' left of centerline, up to 70' AGL/602' MSL.
Tree 4535' from DER, 680' left of centerline, 605' MSL.
Tree 4892' from DER, 1324' left of centerline, 609' MSL.
Trees beginning 4914' from DER, 1105' left of centerline, up to 610' MSL.
Tree 4986' from DER, 1198' left of centerline, 612' MSL.
Tree 5002' from DER, 1311' left of centerline, 619' MSL.
Trees beginning 5010' from DER, 1018' left of centerline, up to 621' MSL.
Trees beginning 5070' from DER, 1043' left of centerline, up to 629' MSL.
Trees beginning 5145' from DER, 1153' left of centerline, up to 634' MSL.
Trees beginning 5251' from DER, 975' left of centerline, up to 644' MSL.
Trees beginning 5356' from DER, 1019' left of centerline, up to 647' MSL.
Trees beginning 5609' from DER, 950' left of centerline, up to 663' MSL.
Trees beginning 5728' from DER, 1386' left of centerline, up to 674' MSL.
Trees beginning 5917' from DER, 1819' left of centerline, up to 690' MSL.
Trees beginning 5972' from DER, 1160' left of centerline, up to 691' MSL.
Trees beginning 1 NM from DER, 1562' left of centerline, up to 729' MSL.
Trees beginning 1.1 NM from DER, 1541' left of centerline, up to 759' MSL.

HYANNIS, MA

CAPE COD GATEWAY (HYA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 25JAN24 (24025) (FAA)

TAKEOFF MINIMUMS:
Rwy 33, 300-1 or std w/min climb of 366'/NM to 300.

DEPARTURE PROCEDURE:
Rwy 33, climb on heading 336° to 700 before turning left.

TAKEOFF OBSTACLE NOTES:
Rwy 6, trees, buildings, traverse ways, poles beginning 9' from DER, 322' right of centerline, up to 34' AGL/68' MSL.
Pole, trees, traverse way beginning 227' from DER, 316' right of centerline, up to 35' AGL/70' MSL.
Tree, traverse way beginning 260' from DER, 288' right of centerline, up to 41' AGL/74' MSL.
Trees, traverse way beginning 271' from DER, 276' right of centerline, up to 44' AGL/77' MSL.
Trees, traverse way beginning 361' from DER, 240' right of centerline, up to 52' AGL/85' MSL.
Trees, traverse way, pole beginning 407' from DER, 103' right of centerline, up to 55' AGL/89' MSL.
Trees beginning 482' from DER, 618' left of centerline, up to 34' AGL/66' MSL.
Trees 816' from DER, 718' left of centerline, 40' AGL/72' MSL.
Trees beginning 1558' from DER, 442' left of centerline, up to 45' AGL/80' MSL.
Trees beginning 1572' from DER, 528' left of centerline, up to 46' AGL/81' MSL.
Trees beginning 1583' from DER, 301' left of centerline, up to 48' AGL/83' MSL.
Trees beginning 1599' from DER, 323' left of centerline, up to 50' AGL/85' MSL.
Trees beginning 1610' from DER, 771' right of centerline, up to 62' AGL/90' MSL.
Trees beginning 1610' from DER, 257' left of centerline, up to 52' AGL/87' MSL.
Trees beginning 1650' from DER, 315' left of centerline, up to 52' AGL/88' MSL.
Trees beginning 1682' from DER, 251' left of centerline, up to 54' AGL/90' MSL.
Trees beginning 1730' from DER, 805' right of centerline, up to 64' AGL/92' MSL.
Trees beginning 1833' from DER, 647' right of centerline, up to 67' AGL/96' MSL.
Trees beginning 1945' from DER, 751' left of centerline, up to 60' AGL/92' MSL.
Trees beginning 1973' from DER, 571' left of centerline, up to 60' AGL/93' MSL.
Trees beginning 2161' from DER, 854' left of centerline, up to 61' AGL/95' MSL.
Trees beginning 2186' from DER, 528' right of centerline, up to 68' AGL/97' MSL.
Trees beginning 2225' from DER, 835' left of centerline, up to 66' AGL/100' MSL.
Trees beginning 2274' from DER, 869' left of centerline, up to 72' AGL/108' MSL.
Tree 3182' from DER, 206' left of centerline, 82' AGL/120' MSL.
Rwy 15, buildings, poles, fences beginning 7' from DER, 302' left of centerline, up to 31' AGL/72' MSL.
Fences beginning 33' from DER, 468' right of centerline, up to 8' AGL/48' MSL.
Buildings, fences beginning 104' from DER, 396' right of centerline, up to 24' AGL/64' MSL.
Tree, fence, pole beginning 164' from DER, 388' right of centerline, up to 37' AGL/76' MSL.
Pole, traverse way, tree beginning 282' from DER, 521' right of centerline, up to 40' AGL/78' MSL.
Pole 398' from DER, 522' left of centerline, 36' AGL/76' MSL.
Poles, traverse ways, fence beginning 412' from DER, 370' left of centerline, up to 40' AGL/81' MSL.
Building, pole beginning 463' from DER, 501' right of centerline, up to 42' AGL/79' MSL.
Buildings, trees, poles beginning 512' from DER, 140' right of centerline, up to 49' AGL/87' MSL.
Trees, poles beginning 958' from DER, 18' left of centerline, up to 56' AGL/93' MSL.
Trees beginning 1250' from DER, 114' left of centerline, up to 58' AGL/94' MSL.
Trees beginning 1329' from DER, 703' left of centerline, up to 63' AGL/97' MSL.
Trees beginning 1336' from DER, 130' left of centerline, up to 65' AGL/98' MSL.
CON'T

22 FEB 2024 to 21 MAR 2024
22 FEB 2024 to 21 MAR 2024

HYANNIS, MA (CON'T)

CAPE COD GATEWAY (HYA) (CON'T)

Rwy 15 (CON'T), tree 1836' from DER, 374' right of centerline, 56' AGL/91' MSL.
Tree 1837' from DER, 331' right of centerline, 57' AGL/92' MSL.
Tree 1845' from DER, 814' right of centerline, 63' AGL/97' MSL.
Trees beginning 1858' from DER, 835' right of centerline, up to 64' AGL/98' MSL.
Rwy 24, pole, building, fence beginning 117' from DER, 487' left of centerline, up to 33' AGL/74' MSL.
Vegetation 229' from DER, 485' right of centerline, 7' AGL/52' MSL.
Trees, traverse ways, buildings, poles beginning 231' from DER, 47' left of centerline, up to 35' AGL/76' MSL.
Fences beginning 263' from DER, 548' right of centerline, up to 8' AGL/55' MSL.
Building, traverse ways beginning 446' from DER, 10' right of centerline, up to 16' AGL/60' MSL.
Poles, buildings beginning 515' from DER, 194' left of centerline, up to 39' AGL/81' MSL.
Pole, traverse way beginning 572' from DER, 316' right of centerline, up to 15' AGL/61' MSL.
Tree 607' from DER, 224' right of centerline, 21' AGL/64' MSL.
Tree 617' from DER, 253' right of centerline, 21' AGL/65' MSL.
Pole, trees beginning 618' from DER, 207' right of centerline, up to 23' AGL/66' MSL.
Poles, trees beginning 644' from DER, 42' right of centerline, up to 28' AGL/69' MSL.
Poles, trees, buildings beginning 669' from DER, 107' right of centerline, up to 31' AGL/76' MSL.
Tree, pole beginning 713' from DER, 577' left of centerline, up to 43' AGL/84' MSL.
Trees, building, poles beginning 734' from DER, 64' left of centerline, up to 52' AGL/93' MSL.
Trees beginning 823' from DER, 556' left of centerline, up to 53' AGL/95' MSL.
Trees, poles beginning 847' from DER, 27' right of centerline, up to 38' AGL/86' MSL.
Trees, poles, building beginning 850' from DER, 3' left of centerline, up to 57' AGL/99' MSL.
Trees, poles, buildings beginning 891' from DER, 4' right of centerline, up to 57' AGL/98' MSL.
Trees beginning 1394' from DER, 357' right of centerline, up to 54' AGL/99' MSL.
Trees beginning 1434' from DER, 274' right of centerline, up to 57' AGL/100' MSL.
Trees beginning 1457' from DER, 210' right of centerline, up to 58' AGL/103' MSL.
Trees beginning 1492' from DER, 6' left of centerline, up to 59' AGL/100' MSL.
Trees beginning 1515' from DER, 84' right of centerline, up to 59' AGL/105' MSL.
Trees beginning 1604' from DER, 82' right of centerline, up to 59' AGL/106' MSL.
Tree 1687' from DER, 428' left of centerline, 64' AGL/106' MSL.
Trees beginning 1701' from DER, 3' left of centerline, up to 66' AGL/109' MSL.
Trees beginning 1716' from DER, 145' right of centerline, up to 65' AGL/111' MSL.
Trees beginning 1786' from DER, 85' right of centerline, up to 69' AGL/116' MSL.
Tree 1858' from DER, 665' left of centerline, 74' AGL/115' MSL.
Trees beginning 1868' from DER, 183' left of centerline, up to 76' AGL/117' MSL.
Rwy 33, tree 440' from DER, 609' left of centerline, 25' AGL/76' MSL.
Trees beginning 483' from DER, 587' left of centerline, up to 23' AGL/77' MSL.
Tree 704' from DER, 498' left of centerline, 18' AGL/78' MSL.
Trees beginning 709' from DER, 504' left of centerline, up to 21' AGL/80' MSL.
Trees beginning 757' from DER, 508' left of centerline, up to 19' AGL/81' MSL.
Trees beginning 807' from DER, 517' left of centerline, up to 22' AGL/84' MSL.
Trees beginning 837' from DER, 524' left of centerline, up to 25' AGL/86' MSL.
Trees beginning 862' from DER, 522' left of centerline, up to 27' AGL/87' MSL.
Trees beginning 885' from DER, 532' left of centerline, up to 30' AGL/89' MSL.
Trees beginning 1006' from DER, 605' left of centerline, up to 32' AGL/92' MSL.
Tree 1138' from DER, 797' right of centerline, 54' AGL/100' MSL.
Trees beginning 1175' from DER, 781' right of centerline, up to 57' AGL/105' MSL.
Trees beginning 1208' from DER, 747' right of centerline, up to 53' AGL/107' MSL.
Trees beginning 1273' from DER, 592' left of centerline, up to 31' AGL/93' MSL.
Trees beginning 1282' from DER, 746' right of centerline, up to 52' AGL/112' MSL.
Trees beginning 1312' from DER, 747' right of centerline, up to 54' AGL/116' MSL.
Trees beginning 1356' from DER, 646' left of centerline, up to 43' AGL/106' MSL.
Trees beginning 1543' from DER, 776' right of centerline, up to 54' AGL/118' MSL.
Trees beginning 1584' from DER, 664' right of centerline, up to 58' AGL/123' MSL.
Trees beginning 1729' from DER, 560' left of centerline, up to 48' AGL/114' MSL.
Tree 2361' from DER, 431' left of centerline, 49' AGL/115' MSL.
Tree 2927' from DER, 1142' right of centerline, 55' AGL/128' MSL.
Tree 2971' from DER, 1023' right of centerline, 53' AGL/129' MSL.
Trees beginning 2971' from DER, 973' right of centerline, up to 65' AGL/134' MSL.
Trees beginning 3007' from DER, 1076' right of centerline, up to 54' AGL/141' MSL.
Trees beginning 3069' from DER, 1031' right of centerline, up to 54' AGL/143' MSL.
Trees beginning 3122' from DER, 939' right of centerline, up to 54' AGL/145' MSL.
Trees beginning 3161' from DER, 966' right of centerline, up to 48' AGL/149' MSL.
Tree 3179' from DER, 1053' right of centerline, 52' AGL/150' MSL.
Trees beginning 3181' from DER, 905' right of centerline, up to 47' AGL/151' MSL.
Trees beginning 3211' from DER, 964' right of centerline, up to 50' AGL/156' MSL.
Trees beginning 3222' from DER, 833' right of centerline, up to 50' AGL/157' MSL.
Trees beginning 3247' from DER, 833' right of centerline, up to 51' AGL/161' MSL.
Tree 3325' from DER, 1213' right of centerline, 48' AGL/162' MSL.
Tree 3341' from DER, 1361' right of centerline, 42' AGL/163' MSL.
Tree 3348' from DER, 1256' right of centerline, 53' AGL/164' MSL.
Trees beginning 3348' from DER, 1229' right of centerline, up to 53' AGL/165' MSL.
Trees beginning 3366' from DER, 1085' right of centerline, up to 54' AGL/167' MSL.
Trees, building beginning 3386' from DER, 1108' right of centerline, up to 50' AGL/171' MSL.
CON'T

HYANNIS, MA (CON'T)

CAPE COD GATEWAY (HYA) (CON'T)

Rwy 33 (CON'T), trees, building, pole beginning 3535' from DER, 953' right of centerline, up to 45' AGL/172' MSL.
Trees beginning 3593' from DER, 1189' right of centerline, up to 54' AGL/176' MSL.
Tree 3619' from DER, 1356' right of centerline, 53' AGL/178' MSL.
Trees, buildings, pole beginning 3635' from DER, 918' right of centerline, up to 48' AGL/182' MSL.
Trees beginning 3872' from DER, 1177' right of centerline, up to 52' AGL/189' MSL.
Transmission lines, trees, poles, tower, catenary wires beginning 3957' from DER, 958' right of centerline, up to 97' AGL/235' MSL.
Catenary wires, trees, transmission lines, poles beginning 4470' from DER, 381' right of centerline, up to 105' AGL/220' MSL.
Transmission line 4656' from DER, 1528' left of centerline, 91' AGL/171' MSL.
Transmission line, tower beginning 4689' from DER, 334' left of centerline, up to 95' AGL/181' MSL.
Transmission line 5116' from DER, 798' left of centerline, 91' AGL/183' MSL.
Transmission line 5119' from DER, 184' left of centerline, 86' AGL/194' MSL.
Transmission line 5161' from DER, 184' left of centerline, 95' AGL/200' MSL.

JACKMAN, ME

NEWTON FLD (59B)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 03NOV22 (22307) (FAA)

TAKEOFF MINIMUMS:
Rwy 13, std. w/min. climb of 345' per NM to 2200 or 2500-3 for VCOA.
Rwy 31, std. w/min. climb of 300' per NM to 3800 or 2500-3 for VCOA.

DEPARTURE PROCEDURE:
Rwy 13, climb on heading 112° to 3500 before proceeding on course.
Rwy 31, climb on heading 306° to 2800 before turning right.

VCOA:
All runways, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Newton Fld airport at or above 3500 before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 13, tree 9' from DER, 174' right of centerline, 10' AGL/1179' MSL.
Trees beginning 11' from DER, 196' right of centerline, up to 11' AGL/1184' MSL.
Tree 32' from DER, 96' left of centerline, 8' AGL/1175' MSL.
Trees beginning 97' from DER, 285' left of centerline, up to 1200' MSL.
Trees beginning 174' from DER, 121' right of centerline, up to 17' AGL/1191' MSL.
Tree 188' from DER, 440' left of centerline, 46' AGL/1209' MSL.
Trees beginning 223' from DER, 351' left of centerline, up to 50' AGL/1212' MSL.
Trees beginning 260' from DER, 302' right of centerline, up to 65' AGL/1237' MSL.
Trees beginning 454' from DER, 221' left of centerline, up to 50' AGL/1217' MSL.
Trees beginning 584' from DER, 366' right of centerline, up to 63' AGL/1238' MSL.
Trees beginning 790' from DER, 246' left of centerline, up to 1231' MSL.
Trees, pole beginning 806' from DER, 138' left of centerline, up to 72' AGL/1232' MSL.
Trees beginning 864' from DER, 328' right of centerline, up to 71' AGL/1248' MSL.
Trees beginning 1019' from DER, 467' right of centerline, up to 72' AGL/1253' MSL.
Trees beginning 1246' from DER, 49' left of centerline, up to 1247' MSL.
Trees, road beginning 1374' from DER, on centerline, up to 77' AGL/1260' MSL.
Trees beginning 1593' from DER, 107' left of centerline, up to 1254' MSL.
Trees beginning 1595' from DER, 159' left of centerline, up to 1257' MSL.
Trees beginning 1599' from DER, on centerline, up to 1261' MSL.
Trees beginning 1636' from DER, 10' right of centerline, up to 92' AGL/1274' MSL.
Trees beginning 1834' from DER, on centerline, up to 98' AGL/1277' MSL.
Trees beginning 2129' from DER, 26' right of centerline, up to 94' AGL/1281' MSL.
Trees beginning 2223' from DER, 92' right of centerline, up to 104' AGL/1296' MSL.
Rwy 31, tree 1' from DER, 66' left of centerline, 1181' MSL.
Electrical system, pole, trees, road beginning 14' from DER, 135' left of centerline, up to 1208' MSL.
Tree 22' from DER, 410' right of centerline, 62' AGL/1229' MSL.
Trees, road beginning 42' from DER, 106' right of centerline, up to 1232' MSL.
Trees, pole, road beginning 240' from DER, 8' left of centerline, up to 37' AGL/1215' MSL.
Trees, road, pole beginning 484' from DER, 183' left of centerline, up to 64' AGL/1241' MSL.
Trees, pole beginning 678' from DER, 184' left of centerline, up to 71' AGL/1249' MSL.
Trees beginning 730' from DER, 39' right of centerline, up to 1239' MSL.
Trees beginning 793' from DER, 326' left of centerline, up to 1250' MSL.
Trees beginning 860' from DER, 6' right of centerline, up to 1245' MSL.
Trees beginning 867' from DER, 210' left of centerline, up to 1257' MSL.
Trees beginning 917' from DER, 78' right of centerline, up to 74' AGL/1250' MSL.
Trees beginning 986' from DER, on centerline, up to 80' AGL/1254' MSL.
Trees, pole beginning 998' from DER, 12' left of centerline, up to 95' AGL/1271' MSL.
Trees, poles, electrical system beginning 1429' from DER, on centerline, up to 90' AGL/1277' MSL.
Tree 3944' from DER, 1346' right of centerline, 1282' MSL.
Tree 4206' from DER, 1063' right of centerline, 104' AGL/1284' MSL.
Tree 5354' from DER, 1845' left of centerline, 75' AGL/1314' MSL.
Tree 5462' from DER, 1860' left of centerline, 93' AGL/1325' MSL.

JAFFREY, NH

JAFFREY AIRFIELD SILVER RANCH (AFN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 29MAY14 (22307) (FAA)

TAKEOFF MINIMUMS:

Rwys 16, 34, 1000-2½ for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwys 16, 34, for climb in visual conditions: cross Jaffrey Airfield Silver Ranch at or above 1900, then via the GDM VOR/DME R-023 to GDM. When executing VCOA, notify ATC prior to departure.

TAKEOFF OBSTACLE NOTES:

Rwy 16, trees beginning 126' from DER, 140' left of centerline, up to 100' AGL/1209' MSL.
Trees beginning 189' from DER, 120' right of centerline, up to 100' AGL/1520' MSL.
Rwy 34, trees beginning 8263' from DER, 613' left of centerline, up to 100' AGL/1441' MSL.
Trees beginning13' from DER, 69' right of centerline, up to 100' AGL/1322' MSL.

KEENE, NH

DILLANT/HOPKINS (EEN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 17JUN21 (22027) (FAA)

TAKEOFF MINIMUMS:

Rwy 2, std. w/min. climb of 360' per NM to 2100 or 2800-3 for VCOA.
Rwy 14, 900-3 w/min. climb of 450' per NM to 4000 or 2800-3 for VCOA.
Rwy 20, 300-1 w/min. climb of 340' per NM to 4300 or 2800-3 for VCOA.
Rwy 32, 700-2¾ w/min. climb of 280' per NM to 2700 or 2800-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 2, climbing left turn heading 353° to 2100 before proceeding on course.
Rwy 14, climb on heading 142° to 4200 before proceeding on course.
Rwy 20, climb on heading 198° to 2000 before turning left.
Rwy 32, climbing right turn heading 350° to 2100 before proceeding on course.

VCOA:

Rwys 2, 14, 20, 32, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Dillant/Hopkins airport at or above 3100 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 2, bushes, beginning 472' from DER, 75' right of centerline, up to 88' AGL/582' MSL.
Trees beginning 603' from DER, 57' right of centerline, up to 93' AGL/586' MSL.
Pole 1062' from DER, 23' right of centerline, up to 53' AGL/545' MSL.
Trees beginning 1097' from DER, 182' left of centerline, up to 69' AGL/559' MSL.
Trees beginning 1576' from DER, 10' left of centerline, up to 109' AGL/593' MSL.
Trees beginning 1774' from DER, left and right of centerline, up to 100' AGL/579' MSL.
Trees 1.4 NM from DER, 2838' right of centerline, up to 100' AGL/1099' MSL.
Rwy 14, building, beginning abeam DER, 108' right of centerline, up to 21' AGL/495' MSL.
Pole, trees beginning 129' from DER, 133' left of centerline, up to 56' AGL/534' MSL.
Vehicle on road beginning 229' from DER, left and right of centerline, up to 494' MSL.
Trees 494' from DER, 125' left of centerline, up to 100' AGL/573' MSL.
Trees beginning 604' from DER, 81' right of centerline, up to 45' AGL/518' MSL.
Trees beginning 1039' from DER, left and right of centerline, up to 100' AGL/573' MSL.
Pole, trees 1083' from DER, 67' right of centerline, up to 82' AGL/561' MSL.
Pole, trees 1189' from DER, 94' left of centerline, up to 89' AGL/566' MSL.
Trees beginning 1326' from DER, 54' right of centerline, up to 96' AGL/577' MSL.
Trees beginning 1469' from DER, left and right of centerline, up to 108' AGL/588' MSL.
Trees beginning 1746' from DER, left and right of centerline, up to 117' AGL/603' MSL.
Pole, trees beginning 4667' from DER, 1' left of centerline, up to 67' AGL/729' MSL.
Pole, trees beginning 1.3 NM from DER, 4' left of centerline, up to 61' AGL/1050' MSL.
Tree 2.1 NM from DER, 3816' left of centerline, 100' AGL/1319' MSL.
Rwy 20, trees 45' from DER, 411' right of centerline, up to 25' AGL/497' MSL.
Trees beginning 556' from DER, 629' right of centerline, up to 94' AGL/556' MSL.
Poles beginning 1024' from DER, 646' left of centerline, up to 36' AGL/529' MSL.
Trees, pole beginning 1761' from DER, 369' left of centerline, up to 104' AGL/614' MSL.
Trees 2099' from DER, 745' left of centerline, up to 103' AGL/622' MSL.
Pole, trees beginning 2326' from DER, 345' left of centerline, up to 103' AGL/623' MSL.
Trees beginning 2553' from DER, 768' right of centerline, up to 88' AGL/583' MSL.
Trees beginning 2763' from DER, 704' left of centerline, up to 104' AGL/646' MSL.
Trees beginning 2950' from DER, 1014' right of centerline, up to 98' AGL/594' MSL.
Trees beginning 3127' from DER, 543' left of centerline, up to 106' AGL/665' MSL.
Vegetation beginning 3504' from DER, 1034' left of centerline, up to 114' AGL/665'.
Transmission lines 4780' from DER, left and right of centerline, up to 52' AGL/630' MSL.
CON'T

22 FEB 2024 to 21 MAR 2024
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KEENE, NH (CON'T)

DILLANT/HOPKINS (EEN) (CON'T)

Rwy 32, trees beginning 212' from DER, 232' right of centerline, up to 24' AGL/493' MSL.
Trees 357' from DER, 264' left of centerline, 26' AGL/493' MSL.
Trees beginning 685' from DER, 293' left of centerline, up to 32' AGL/499' MSL.
Trees beginning 741' from DER, 43' right of centerline, up to 89' AGL/560' MSL.
Vehicle on road 788' from DER, left and right of centerline, 492' MSL.
Trees beginning 1551' from DER, 403' left of centerline, up to 64' AGL/531' MSL.
Trees beginning 1785' from DER, 263' left of centerline, up to 64' AGL/533' MSL.
Trees beginning 2005' from DER, 28' left of centerline, up to 90' AGL/559' MSL.
Transmission line, trees beginning 2066' from DER, left and right of centerline, up to 70' AGL/543' MSL.

LACONIA, NH

LACONIA MUNI (LCI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 07MAY09 (09127) (FAA)

TAKEOFF MINIMUMS:
Rwy 8, 600-1¾ or std. w/ min. climb of 652' per NM to 1300.
Rwy 26, 300-1 or std. w/ min. climb of 421' per NM to 900.

DEPARTURE PROCEDURE:
Rwy 8, climb to 2500 via heading 079° and ENE VORTAC R-315 inbound to 3500 before proceeding on course.
Rwy 26, climb heading 264° to 2500 before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 8, trees, terrain, and pole beginning 65' from DER, 20' right of centerline, up to 50' AGL/1112' MSL.
Trees and terrain beginning 93' from DER, 5' left of centerline, up to 71' AGL/590' MSL.
Rwy 26, trees and antenna on tower beginning 123' from DER, 42' left of centerline, up to 84' AGL/743' MSL.
Trees beginning 2145' from DER, 626' right of centerline, up to 93' AGL/672' MSL.

LAWRENCE, MA

LAWRENCE MUNI (LWM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 03JAN19 (19003) (FAA)

TAKEOFF MINIMUMS:
Rwy 5, 300-1½ or std. w/min. climb of 435' per NM to 500.
Rwy 14, 300-1 or std. w/min. climb of 625' per NM to 600.
Rwy 23, 300-1 or std. w/min. climb of 350' per NM to 400.

DEPARTURE PROCEDURE:
Rwy 5, climb heading 053° to 1100 before turning left.

TAKEOFF OBSTACLE NOTES:
Rwy 5, vegetation 174' from DER, 529' right of centerline, 25' AGL/143' MSL.
Tree 387' from DER, 388' left of centerline, 69' AGL/150' MSL.
Tree 591' from DER, 546' left of centerline, 92' AGL/154' MSL.
Tree 598' from DER, 561' left of centerline, 100' AGL/162' MSL.
Tree 644' from DER, 566' right of centerline, 54' AGL/186' MSL.
Trees beginning 689' from DER, 403' right of centerline, up to 63' AGL/198' MSL.
Tree 1660' from DER, 849' right of centerline, 65' AGL/225' MSL.
Trees beginning 1668' from DER, 257' right of centerline, up to 68' AGL/228' MSL.
Tree 1683' from DER, 269' left of centerline, 60' AGL/180' MSL.
Tree 1694' from DER, 345' left of centerline, 67' AGL/181, MSL.
Tree 1720' from DER, 303' left of centerline, 54' AGL/182' MSL.
Tree 1832' from DER, 207' left of centerline, 54' AGL/184' MSL.
Tree 2240' from DER, 551' left of centerline, 89' AGL/194' MSL.
Tree 2288' from DER, 637' left of centerline, 98' AGL/198' MSL.
Trees beginning 2339' from DER, 342' left of centerline, up to 104' AGL/199' MSL.
Antenna 2927' from DER, 182' left of centerline, 101' AGL/211' MSL.
Trees beginning 3562' from DER, 413' right of centerline, up to 89' AGL/327' MSL.
Rrees beginning 3831' from DER, 340' right of centerline, up to 93' AGL/331' MSL.
Tree, pole beginning 4026' from DER, 5' right of centerline, up to 95' AGL/335' MSL.
Tree 4417' from DER, 176' left of centerline, 94' AGL/247' MSL.
Trees beginning 4421' from DER, 49' left of centerline, up to 108' AGL/264' MSL.
Trees beginning 4614' from DER, 96' left of centerline, up to 93' AGL/276' MSL.
Trees beginning 4727' from DER, 155' left of centerline, up to 90' AGL/280' MSL.
Trees beginning 4745' from DER, 45' left of centerline, up to 85' AGL/282' MSL.
Trees beginning 4864' from DER, 42' left of centerline, up to 84' AGL/289' MSL.
Trees beginning 1.2 NM from DER, 351' left of centerline, up to 81' AGL/336' MSL.
Tree 1.2 NM from DER, 40' right of centerline, 90' AGL/354' MSL.
Tree 1.2 NM from DER, 13' left of centerline, 85' AGL/349' MSL.
Tree 1.2 NM from DER, 225' right of centerline, 87' AGL/352' MSL.
CON'T

LAWRENCE, MA (CON'T)

LAWRENCE MUNI (LWM) (CON'T)

Rwy 14, vegetation 102' from DER, 105' right of centerline, 6' AGL/155' MSL.
Tree, vegetation, pole beginning 150' from DER, 9' left of centerline, up to 57' AGL/184' MSL.
Tree, building, pole beginning 197' from DER, 20' right of centerline, up to 50' AGL/198' MSL.
Tree 938' from DER, 294' left of centerline, 64' AGL/186' MSL.
Tree 3188' from DER, 482' right of centerline, 107' AGL/290' MSL.
Tree 3313' from DER, 644' right of centerline, 105' AGL/322' MSL.
Pole 3473' from DER, 1391' right of centerline, 80' AGL/417' MSL.
Rwy 23, vegetation 16' from DER, 183' right of centerline, 17' AGL/140' MSL.
Vegetation 75' from DER, 478' left of centerline, 26' AGL/146' MSL.
Antenna, tree beginning 272' from DER, 557' left of centerline, up to 72' AGL/173' MSL.
Stack beginning 3667' from DER, 1310' right of centerline, up to 260' AGL/294' MSL.
Rwy 32, tree 120' from DER, 155' right of centerline, 29' AGL/143' MSL.
Tree 159' from DER, 198' left of centerline, 50' AGL/141' MSL.

LEBANON, NH

LEBANON MUNI (LEB)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 17JUN21 (21168) (FAA)

TAKEOFF MINIMUMS:
Rwy 36, std. w/min. climb of 365' per NM to 1900, or 2100-3 for VCOA.
Rwy 18, 500-2½ w/min. climb of 380' per NM to 3800, or 2100-3 for VCOA.
Rwy 7, 600-2¾ w/min. climb of 385' per NM to 3100, or 2100-3 for VCOA.
Rwy 25, 700-3 w/min. climb of 380' per NM to 3400, or 2100-3 for VCOA.

DEPARTURE PROCEDURE:
Rwy 36, climb on heading 004° to 1900 before proceeding on course.
Rwy 18, climb on heading 184° to 2100 before proceeding on course.
Rwy 7, climb on heading 075° to 2100 before proceeding on course.
Rwy 25, climb on heading 255° to 2100 before proceeding on course.

VCOA:
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:
Rwy 36, lighting 10' from DER, 100' left of centerline, 565' MSL.
Fence, pole, tree beginning 81' from DER, 475'left of centerline, up to 569' MSL.
Tree 358' from DER, 511' right of centerline, 64' AGL/583' MSL.
Rwy 18, poles beginning 137' from DER, 506' left of centerline, up to 54' AGL/670' MSL.
Poles, terrain, vegetation, trees beginning 139' from DER, 472' right of centerline, up to 48' AGL/676' MSL.
Trees, poles beginning 762' from DER, 181' left of centerline, up to 733' MSL.
Trees, poles, terrain beginning 1133' from DER, 106' right of centerline, up to 738' MSL.
Trees, poles beginning 1909' from DER, 33' left of centerline, up to 752' MSL.
Trees, terrain beginning 3990' from DER, 66' left of centerline, up to 743' MSL.
Trees beginning 4001' from DER, 14' right of centerline, up to 781' MSL.
Tree 1.2 NM from DER, 1902' left of centerline, 903' MSL.
Trees, terrain beginning 1.2 NM from DER, 103' left of centerline, up to 891' MSL.
Trees, terrain beginning 1.4 NM from DER, 964' left of centerline, up to 1007' MSL.
Tree 1.6 NM from DER, 3048' left of centerline, 1055' MSL.
Trees, terrain beginning 1.6 NM from DER, 787' left of centerline, up to 951' MSL.
Trees, terrain, transmission lines beginning 1.6 NM from DER, 2776' right of centerline, up to 879' MSL.
Rwy 7, tree, NAVAID beginning 13' from DER, 125' left of centerline, up to 20' AGL/581' MSL.
Trees, transmission line, pole beginning 20' from DER, 390' right of centerline, up to 715' MSL.
Trees, pole beginning 29' from DER, 255' right of centerline, up to 20' AGL/642' MSL.
Trees, poles, transmission lines, building beginning 524' from DER, 326' right of centerline, up to 100' AGL/729' MSL.
Tree 1958' from DER, 1010' right of centerline, 98' AGL/752' MSL.
Transmission lines, poles, trees beginning 1974' from DER, 778' right of centerline, up to 37' AGL/678' MSL.
Trees, transmission line beginning 2575' from DER, 317' right of centerline, up to 763' MSL.
Trees beginning 1.4 NM from DER, 167' right of centerline, up to 808' MSL.
Trees beginning 1.5 NM from DER, 1549' left of centerline, up to 827' MSL.
Tree 2 NM from DER, 2487' left of centerline, 1134' MSL.
Trees beginning 2 NM from DER, 1839' left of centerline, up to 1053' MSL.
Tree 2.2 NM from DER, 3877' left of centerline, 962' MSL.
Rwy 25, trees, building beginning 198' from DER, 453' left of centerline, up to 593' MSL.
Tree 382' from DER, 503' right of centerline, 92' AGL/581' MSL.
Trees, pole beginning 1082' from DER, 399' left of centerline, up to 42' AGL/606' MSL.
Tree 2.8 NM from DER, 3002' right of centerline, 1232' MSL.
Tree 2.9 NM from DER, 3201' right of centerline, 1013' MSL.

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LINCOLN, ME

LINCOLN RGNL (LRG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 30NOV23 (23334) (FAA)

TAKEOFF MINIMUMS:

Rwy 16, 700-2¼ w/min climb of 225'/NM to 1300, or 1000-3 for VCOA.

Rwy 34, 300-2 or std w/min climb of 305'/NM to 500.

DEPARTURE PROCEDURE:

Rwy 16, climb on heading 166° to 1100 before proceeding on course.

VCOA:

Rwy 16, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Lincoln Rgnl airport at or above 1100 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 16, tree 4' from DER, 302' right of centerline, 19' AGL/215' MSL.
Trees beginning 11' from DER, 258' left of centerline, up to 55' AGL/256' MSL.
Tree 66' from DER, 145' right of centerline, 22' AGL/223' MSL.
Trees beginning 89' from DER, 162' right of centerline, up to 49' AGL/249' MSL.
Trees beginning 108' from DER, 270' left of centerline, up to 63' AGL/272' MSL.
Tree 320' from DER, 377' right of centerline, 62' AGL/255' MSL.
Trees beginning 320' from DER, 323' left of centerline, up to 67' AGL/276' MSL.
Trees, terrain, building beginning 320' from DER, 24' right of centerline, up to 61' AGL/264' MSL.
Trees beginning 438' from DER, 28' left of centerline, up to 73' AGL/279' MSL.
Trees beginning 636' from DER, 14' left of centerline, up to 65' AGL/281' MSL.
Trees beginning 725' from DER, 251' left of centerline, up to 83' AGL/291' MSL.
Trees beginning 746' from DER, 51' left of centerline, up to 82' AGL/301' MSL.
Trees, poles, buildings, sign beginning 946' from DER, 113' right of centerline, up to 62' AGL/287' MSL.
Trees, poles, sign, building beginning 1263' from DER, 29' left of centerline, up to 85' AGL/305' MSL.
Trees beginning 1791' from DER, 8' right of centerline, up to 86' AGL/306' MSL.
Trees beginning 2256' from DER, 35' left of centerline, up to 82' AGL/316' MSL.
Trees beginning 2394' from DER, 20' left of centerline, up to 82' AGL/321' MSL.
Trees beginning 2528' from DER, 40' left of centerline, up to 82' AGL/324' MSL.
Trees beginning 2625' from DER, 41' right of centerline, up to 52' AGL/307' MSL.
Trees beginning 2634' from DER, 9' left of centerline, up to 82' AGL/335' MSL.
Trees beginning 2731' from DER, 15' right of centerline, up to 56' AGL/309' MSL.
Trees, electrical systems beginning 2793' from DER, 19' left of centerline, up to 78' AGL/341' MSL.
Trees beginning 2875' from DER, 37' right of centerline, up to 66' AGL/312' MSL.
Trees, pole, electrical system beginning 2886' from DER, 35' left of centerline, up to 74' AGL/345' MSL.
Tree 2933' from DER, 58' right of centerline, 73' AGL/319' MSL.
Trees, electrical system beginning 2934' from DER, 34' right of centerline, up to 81' AGL/325' MSL.
Trees beginning 2981' from DER, 19' left of centerline, up to 77' AGL/351' MSL.
Trees, electrical systems, pole beginning 3087' from DER, 4' right of centerline, up to 88' AGL/334' MSL.
Trees, vehicle on road beginning 3118' from DER, 120' left of centerline, up to 70' AGL/354' MSL.
Trees, vehicle on road beginning 3227' from DER, 175' left of centerline, up to 74' AGL/355' MSL.
Trees, electrical system, pole beginning 3274' from DER, 4' right of centerline, up to 78' AGL/335' MSL.
Tree 3295' from DER, 380' left of centerline, 92' AGL/356' MSL.
Trees beginning 3297' from DER, 235' left of centerline, up to 95' AGL/362' MSL.
Trees beginning 3395' from DER, 751' right of centerline, up to 84' AGL/340' MSL.
Trees, electrical systems, pole beginning 3397' from DER, 22' left of centerline, up to 92' AGL/366' MSL.
Trees beginning 3412' from DER, 164' right of centerline, up to 84' AGL/343' MSL.
Trees beginning 3533' from DER, 53' right of centerline, up to 76' AGL/348' MSL.
Trees, pole beginning 3538' from DER, 95' left of centerline, up to 92' AGL/371' MSL.
Trees beginning 3576' from DER, 112' right of centerline, up to 82' AGL/352' MSL.
Trees, buildings, poles, vehicle on road beginning 3578' from DER, 10' left of centerline, up to 95' AGL/375' MSL.
Trees beginning 3603' from DER, 4' right of centerline, up to 91' AGL/361' MSL.
Trees, buildings beginning 3659' from DER, 2' right of centerline, up to 87' AGL/366' MSL.
Trees beginning 3724' from DER, 71' right of centerline, up to 83' AGL/367' MSL.
Trees, building beginning 3761' from DER, 69' right of centerline, up to 96' AGL/374' MSL.
Trees beginning 3858' from DER, 25' right of centerline, up to 92' AGL/379' MSL.
Trees beginning 3863' from DER, 50' right of centerline, up to 96' AGL/385' MSL.
Trees, building, pole, vehicle on road beginning 3915' from DER, 14' right of centerline, up to 107' AGL/396' MSL.
Trees beginning 3974' from DER, 59' left of centerline, up to 86' AGL/377' MSL.
Trees, vehicle on road beginning 3986' from DER, 101' left of centerline, up to 84' AGL/378' MSL.
Trees beginning 4054' from DER, 7' left of centerline, up to 86' AGL/381' MSL.
Trees, vehicles on roads beginning 4056' from DER, 18' left of centerline, up to 85' AGL/382' MSL.
Trees beginning 4222' from DER, on and left of centerline, up to 81' AGL/385' MSL.
Trees beginning 4233' from DER, 57' right of centerline, up to 102' AGL/404' MSL.
Trees, building beginning 4355' from DER, 6' right of centerline, up to 107' AGL/411' MSL.
Trees, vehicle on road beginning 4372' from DER, 11' left of centerline, up to 72' AGL/386' MSL.
Trees beginning 4399' from DER, 317' left of centerline, up to 84' AGL/393' MSL.
Tree 4424' from DER, 1369' left of centerline, 76' AGL/394' MSL.
Trees beginning 4431' from DER, 5' left of centerline, up to 84' AGL/395' MSL.
Tree 4509' from DER, 353' left of centerline, 83' AGL/398' MSL.
Trees, pole beginning 4510' from DER, 42' left of centerline, up to 82' AGL/406' MSL.
Trees beginning 4602' from DER, 5' left of centerline, up to 104' AGL/438' MSL.
Trees beginning 4631' from DER, 21' right of centerline, up to 93' AGL/417' MSL.

CON'T

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LINCOLN, ME (CON'T)

LINCOLN RGNL (LRG) (CON'T)

Rwy 16 (CON'T), Trees, terrain, buildings, pole, vehicles on roads beginning 4812' from DER, 13' left of centerline, up to 84' AGL/441 ' MSL.
Trees, terrain, building, tank beginning 4867' from DER, 25' right of centerline, up to 88' AGL/422' MSL.
Trees, terrain, buildings beginning 5020' from DER, 7' right of centerline, up to 86' AGL/431' MSL.
Trees, terrain, buildings, vehicle on road beginning 5133' from DER, 20' right of centerline, up to 75' AGL/434' MSL.
Trees, terrain, vehicles on roads, electrical systems, building beginning 5139' from DER, 28' left of centerline, up to 55' AGL/442' MSL.
Trees, terrain beginning 5233' from DER, 70' left of centerline, up to 81' AGL/473' MSL.
Tree 5240' from DER, 1180' right of centerline, 80' AGL/437' MSL.
Trees, vehicles on roads beginning 5240' from DER, 55' right of centerline, up to 85' AGL/439' MSL.
Trees, vegetation, buildings beginning 5256' from DER, 2' left of centerline, up to 78' AGL/478' MSL.
Trees, vehicle on road beginning 5314' from DER, 361' right of centerline, up to 75' AGL/448' MSL.
Trees, fence, poles, electrical system, buildings, terrain beginning 5319' from DER, 37' right of centerline, up to 87' AGL/459' MSL.
Trees, terrain, building, antenna beginning 5356' from DER, 7' left of centerline, up to 83' AGL/485' MSL.
Trees, terrain beginning 5513' from DER, 6' right of centerline, up to 86' AGL/470' MSL.
Trees beginning 5517' from DER, 36' left of centerline, up to 95' AGL/511' MSL.
Trees beginning 5583' from DER, 88' left of centerline, up to 83' AGL/512' MSL.
Trees beginning 5651' from DER, 35' left of centerline, up to 87' AGL/516' MSL.
Trees beginning 5781' from DER, 40' left of centerline, up to 90' AGL/535' MSL.
Trees, building beginning 5961' from DER, 12' left of centerline, up to 95' AGL/556' MSL.
Trees beginning 6021' from DER, 97' right of centerline, up to 83' AGL/485' MSL.
Trees, terrain beginning 1 NM from DER, 70' left of centerline, up to 88' AGL/629' MSL.
Trees, pole beginning 1 NM from DER, 6' right of centerline, up to 85' AGL/492' MSL.
Trees beginning 1.1 NM from DER, 2' right of centerline, up to 95' AGL/501' MSL.
Trees beginning 1.1 NM from DER, 47' left of centerline, up to 93' AGL/732' MSL.
Towers, trees beginning 1.2 NM from DER, 25' left of centerline, up to 137' AGL/815' MSL.
Trees, terrain beginning 1.2 NM from DER, 46' right of centerline, up to 55' AGL/507' MSL.
Towers, trees, terrain, fence, building, pole beginning 1.3 NM from DER, 4' left of centerline, up to 173' AGL/827' MSL.
Trees, terrain beginning 1.3 NM from DER, 3' right of centerline, up to 66' AGL/534' MSL.
Trees beginning 1.5 NM from DER, 438' right of centerline, up to 85' AGL/540' MSL.
Trees beginning 1.6 NM from DER, 31' right of centerline, up to 200' AGL/690' MSL.
Trees, building beginning 1.7 NM from DER, 539' right of centerline, up to 200' AGL/750' MSL.
Rwy 34, tree 6' from DER, 413' right of centerline, 23' AGL/220' MSL.
Building 20' from DER, 404' left of centerline, 26' AGL/217' MSL.
Building, terrain beginning 90' from DER, 357' right of centerline, up to 29' AGL/229' MSL.
Tree 173' from DER, 486' left of centerline, 54' AGL/231' MSL.
Trees beginning 174' from DER, 314' left of centerline, up to 59' AGL/246' MSL.
Tree 394' from DER, 375' right of centerline, 53' AGL/260' MSL.
Trees beginning 427' from DER, on and right of centerline, up to 71' AGL/279' MSL.
Trees beginning 1229' from DER, 151' left of centerline, up to 81' AGL/247' MSL.
Trees beginning 1347' from DER, 80' left of centerline, up to 80' AGL/248' MSL.
Trees beginning 1386' from DER, 34' left of centerline, up to 85' AGL/252' MSL.
Trees beginning 1473' from DER, 18' left of centerline, up to 76' AGL/261' MSL.
Trees beginning 1541' from DER, 6' left of centerline, up to 95' AGL/267' MSL.
Trees beginning 2624' from DER, 451' left of centerline, up to 86' AGL/295' MSL.
Trees beginning 2716' from DER, 4' left of centerline, up to 70' AGL/300' MSL.
Trees beginning 3059' from DER, 213' right of centerline, up to 57' AGL/292' MSL.
Trees beginning 3119' from DER, 42' right of centerline, up to 43' AGL/296' MSL.
Tree 3286' from DER, 433' right of centerline, 25' AGL/300' MSL.
Trees beginning 3286' from DER, 80' left of centerline, up to 74' AGL/303' MSL.
Trees beginning 3290' from DER, 251' right of centerline, up to 40' AGL/306' MSL.
Trees beginning 3348' from DER, 183' right of centerline, up to 57' AGL/326' MSL.
Trees beginning 3488' from DER, 169' right of centerline, up to 39' AGL/329' MSL.
Trees beginning 3505' from DER, 194' right of centerline, up to 40' AGL/337' MSL.
Trees beginning 3622' from DER, 11' right of centerline, up to 43' AGL/343' MSL.
Trees beginning 3901' from DER, 113' left of centerline, up to 72' AGL/306' MSL.
Trees beginning 4018' from DER, 248' left of centerline, up to 37' AGL/308' MSL.
Trees beginning 4042' from DER, 26' left of centerline, up to 69' AGL/326' MSL.
Trees beginning 4120' from DER, 72' left of centerline, up to 40' AGL/327' MSL.
Trees beginning 4137' from DER, 8' left of centerline, up to 55' AGL/336' MSL.
Trees beginning 4380' from DER, 25' left of centerline, up to 59' AGL/345' MSL.
Trees beginning 4397' from DER, 6' right of centerline, up to 73' AGL/364' MSL.
Trees beginning 4440' from DER, 3' left of centerline, up to 67' AGL/355' MSL.
Trees beginning 4736' from DER, 1' right of centerline, up to 73' AGL/366' MSL.
Trees beginning 4932' from DER, 13' left of centerline, up to 50' AGL/362' MSL.
Trees beginning 4973' from DER, 22' left of centerline, up to 60' AGL/364' MSL.
Trees beginning 5028' from DER, 15' left of centerline, up to 76' AGL/377' MSL.
Trees beginning 5191' from DER, 16' left of centerline, up to 87' AGL/380' MSL.
Trees, transmission lines beginning 5261' from DER, 7' left of centerline, up to 93' AGL/387' MSL.
Trees beginning 5845' from DER, 29' right of centerline, up to 85' AGL/368' MSL.
Trees beginning 5927' from DER, 12' right of centerline, up to 85' AGL/370' MSL.
CON'T

LINCOLN, ME (CON'T)

LINCOLN RGNL (LRG) (CON'T)

Rwy 34 (CON'T), trees beginning 6050' from DER, 43' right of centerline, up to 87' AGL/371' MSL.
Trees beginning 1 NM from DER, 14' right of centerline, up to 99' AGL/383' MSL.

LYNDONVILLE, VT

CALEDONIA COUNTY (CDA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 12NOV15 (15316) (FAA)

TAKEOFF MINIMUMS:
Rwy 2, 500-2 w min. climb of 255' per NM to 3600, or 2600-3 for climb in visual conditions.
Rwy 20, std. w/min. climb of 270' per NM to 2100, or 2600-3 for climb in visual conditions.

DEPARTURE PROCEDURE:
Rwy 2, climb heading 024° to 3500 before proceeding on course or for climb in visual conditions, cross Caledonia County airport at or above 3600. When executing the VCOA, notify ATC prior to departure.
Rwy 20, climb heading 204° to 3300 before proceeding on course or for climb in visual conditions to cross Caledonia County airport at or above 3600. When executing the VCOA, notify ATC prior to departure.

TAKEOFF OBSTACLE NOTES:
Rwy 2, trees beginning 1068' from DER, 721' left of centerline, up to 80' AGL/1359' MSL.
Terrain beginning 1327' from DER, 29' left of centerline, 1319' MSL.
Trees beginning 2510' from DER, 568' left of centerline, up to 80' AGL/1359' MSL.
Terrain beginning 2529' from DER, 74' left of centerline, 1339' MSL.
Trees beginning 2919' from DER, 554' left of centerline, up to 80' AGL/1395' MSL.
Terrain beginning 2989' from DER, 51' right of centerline, 1322' MSL.
Trees beginning 4533' from DER, 1636' left of centerline, up to 80' AGL/1419' MSL.
Terrain beginning 1.1 NM from DER, 61' left of centerline, 1446' MSL.
Trees beginning 1.1 NM from DER, 276' left of centerline, up to 80' AGL/1477' MSL.
Terrain beginning 1.5 NM from DER, 454' left of centerline, 1466' MSL.
Trees beginning 1.6 NM from DER, 648' left of centerline, up to 80' AGL/1558' MSL.
Rising terrain beginning 9.2 NM from DER. 1.9 NM left of centerline, up to 2773' MSL.
Rwy 20, terrain beginning 115' from DER, left and right of centerline, up to 1198' MSL.
Trees beginning 578' from DER, 107' right of centerline, up to 80' AGL/1257' MSL.
Rising terrain beginning 3.3 NM from DER, 4397' right of centerline, up to 1659' MSL.

MACHIAS, ME

MACHIAS VALLEY (MVM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 22AUG13 (13234) (FAA)

TAKEOFF MINIMUMS:
Rwy 18, 400-2.
Rwy 36, 400-3

TAKEOFF OBSTACLE NOTES:
Rwy 18, multiple buildings, vehicles on road beginning 720' from DER, left and right of centerline, up to 25' AGL/124' MSL.
Terrain and trees beginning 65' from DER, left and right of centerline, up to 100' AGL/319' MSL.
Rwy 36, multiple buildings, vehicles on road beginning 2453' from DER, left and right of centerline, up to 25' AGL/204' MSL.
Trees beginning 105' from DER, left and right of centerline, up to 100' AGL/459' MSL.
Tower 7922' from DER, 883' left of centerline, up 85' AGL/402' MSL.

MANCHESTER, NH

MANCHESTER BOSTON RGNL (MHT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 10B 13SEP18 (21280) (FAA)

TAKEOFF MINIMUMS:
Rwy 17, 300-1½ or std. w/min. climb of 268' per NM to 600.
Rwy 35, 300-1½ or std. w/min. climb of 265' per NM to 500.

DEPARTURE PROCEDURE:
Rwy 6, climb heading 057° to 1000 before turning right.
Rwy 24, climb heading 244° to 1000 before proceeding on course.
Rwy 35, climb heading 352° to 1300 before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 6, fence 6' from DER, 468' right of centerline, 12' AGL/242' MSL.
Lighting 40' from DER, 117' right of centerline, 3' AGL/243' MSL.
Pole 67' from DER, 454' left of centerline, 24' AGL/253' MSL.
Trees beginning 584' from DER, 599' right of centerline, up to 61' AGL/265' MSL.
Trees beginning 798' from DER, 90' right of centerline, up to 66' AGL/268' MSL.
Trees beginning 819' from DER, 163' left of centerline, up to 66' AGL/273' MSL.
Tree 1014' from DER, 309' right of centerline, 87' AGL/269' MSL.
Trees beginning 1102' from DER, 473' right of centerline, up to 72' AGL/272' MSL.
Tree 1535' from DER, 660' left of centerline, 78' AGL/281' MSL.
Trees beginning 1893' from DER, 215' left of centerline, up to 97' AGL/297' MSL.
Tree 2056' from DER, 366' left of centerline, 102' AGL/302' MSL.
Tree 2154' from DER, 469' left of centerline, 102' AGL/307' MSL.

CON'T

MANCHESTER, NH (CON'T)

MANCHESTER BOSTON RGNL (MHT) (CON'T)

Rwy 6 (CON'T), trees beginning 2189' from DER, 551' left of centerline, up to 107' AGL/308' MSL.
Tree 2315' from DER, 653' left of centerline, 107' AGL/313' MSL.
Rwy 17, vehicles on roadway 643' from DER, 640' left of centerline, 303' MSL.
Building 761' from DER, 421' right of centerline, 8' AGL/300' MSL.
Vehicles on roadway beginning 764' from DER, 392' left of centerline, up to 304' MSL.
Tree 1087' from DER, 640' left of centerline, 323' MSL.
Vehicles on roadway 1167' from DER, 717' right of centerline, 303' MSL.
Trees, terrain beginning 1288' from DER, 320' left of centerline, up to 334' MSL.
Vehicles on roadway, poles beginning 1345' from DER, 211' right of centerline, up to 307' MSL.
Poles beginning 1430' from DER, 200' right of centerline, up to 34' AGL/324' MSL.
Tree 1479' from DER, 710' left of centerline, 27' AGL/335' MSL.
Trees, poles beginning 1554' from DER, 281' right of centerline, up to 40' AGL/329' MSL.
Trees, terrain, vertical point, building, vehicles on roadway, sign, poles beginning 1558' from DER, 5' left of centerline, up to 41' AGL/346' MSL.
Tree 1760' from DER, 530' right of centerline, 43' AGL/332' MSL.
Tree 1825' from DER, 413' right of centerline, 47' AGL/335' MSL.
Trees, fence, building, pole, terrain beginning 1876' from DER, on centerline, up to 48' AGL/336' MSL.
Trees, pole beginning 2053' from DER, on centerline, up to 49' AGL/339' MSL.
Tree, vehicles on roadway, building beginning 2146' from DER, 138' left of centerline, up to 43' AGL/352' MSL.
Trees, sign, building, pole beginning 2177' from DER, 1' left of centerline, up to 44' AGL/359' MSL.
Trees, pole beginning 2215' from DER, 118' right of centerline, up to 58' AGL/362' MSL.
Tree, building, pole, terrain, vehicles on roadway, spire, sign beginning 2267' from DER, 4' left of centerline, up to 46' AGL/362' MSL.
Trees, vehicles on roadway, pole, building beginning 2383' from DER, on centerline, up to 55' AGL/366' MSL.
Trees, pole, building beginning 2846' from DER, 64' left of centerline, up to 52' AGL/370' MSL.
Trees beginning 2876' from DER, 196' right of centerline, up to 368' MSL.
Trees, pole, building beginning 2885' from DER, 2' right of centerline, up to 70' AGL/378' MSL.
Trees, pole beginning 3155' from DER, 11' right of centerline, up to 78' AGL/384' MSL.
Trees, building, tank beginning 3216' from DER, 37' left of centerline, up to 51' AGL/379' MSL.
Trees, pole, building beginning 3401' from DER, 17' left of centerline, up to 52' AGL/383' MSL.
Trees, pole beginning 3455' from DER, 33' right of centerline, up to 385' MSL.
Trees beginning 3494' from DER, 201' left of centerline, up to 384' MSL.
Tree 3514' from DER, 425' left of centerline, 385' MSL.
Trees, tank beginning 3543' from DER, 36' left of centerline, up to 397' MSL.
Trees, pole beginning 3564' from DER, 41' right of centerline, up to 395' MSL.
Trees, elevator, grain elevator, pole, tank, building, antenna, vertical point beginning 3721' from DER, 6' right of centerline, up to 396' MSL.
Trees beginning 3994' from DER, 49' left of centerline, up to 62' AGL/401' MSL.
Trees beginning 4090' from DER, 147' left of centerline, up to 62' AGL/402' MSL.
Trees beginning 4197' from DER, 50' left of centerline, up to 70' AGL/405' MSL.
Trees, pole, transmission line, building beginning 4334' from DER, 14' right of centerline, up to 93' AGL/414' MSL.
Trees beginning 4372' from DER, 764' left of centerline, up to 407' MSL.
Trees beginning 4457' from DER, 1078' left of centerline, up to 408' MSL.
Trees, pole beginning 4500' from DER, 10' left of centerline, up to 417' MSL.
Tree 4773' from DER, 511' left of centerline, 60' AGL/419' MSL.
Trees beginning 4784' from DER, 92' right of centerline, up to 416' MSL.
Trees beginning 4793' from DER, 421' left of centerline, up to 71' AGL/422' MSL.
Trees beginning 4820' from DER, 10' left of centerline, up to 81' AGL/426' MSL.
Tree, pole beginning 4830' from DER, 26' right of centerline, up to 419' MSL.
Tree, pole beginning 4907' from DER, 91' right of centerline, up to 422' MSL.
Trees beginning 5004' from DER, 155' right of centerline, up to 426' MSL.
Tree, pole beginning 5105' from DER, 63' right of centerline, up to 431' MSL.
Trees beginning 5128' from DER, 186' left of centerline, up to 32' AGL/427' MSL.
Tree, terrain beginning 5182' from DER, 52' left of centerline, up to 47' AGL/436' MSL.
Trees, vehicles on roadway beginning 5278' from DER, 4' right of centerline, up to 59' AGL/437' MSL.
Tree, pole beginning 5331' from DER, 44' right of centerline, up to 56' AGL/441' MSL.
Tree, terrain beginning 5346' from DER, 35' left of centerline, up to 64' AGL/445' MSL.
Tree, vehicles on roadway, pole beginning 5392' from DER, 8' right of centerline, up to 442' MSL.
Pole, trees, vehicles on roadway, terrain beginning 5550' from DER, 4' left of centerline, up to 29' AGL/447' MSL.
Trees, vehicles on roadway, terrain, pole, building beginning 5696' from DER, 14' left of centerline, up to 80' AGL/455' MSL.
Trees beginning 5787' from DER, 16' right of centerline, up to 65' AGL/452' MSL.
Tree 5929' from DER, 474' left of centerline, 68' AGL/457' MSL.
Tree, pole beginning 5952' from DER, 73' left of centerline, up to 66' AGL/459' MSL.
Trees beginning 1 NM from DER, 98' left of centerline, up to 96' AGL/461' MSL.
Trees beginning 1 NM from DER, 17' left of centerline, up to 463' MSL.
Tree 1.1 NM from DER, 336' right of centerline, 453' MSL.
Tree 1.2 NM from DER, 608' left of centerline, 100' AGL/458' MSL.
Rwy 24, terrain 3' from DER, on centerline, 221' MSL.
Pole 221' from DER, 475' left of centerline, 18' AGL/227' MSL.
Building 394' from DER, 581' left of centerline, 28' AGL/233' MSL.
Trees beginning 451' from DER, 220' left of centerline, up to 74' AGL/257' MSL.
Trees beginning 785' from DER, 545' left of centerline, up to 92' AGL/264' MSL.
Trees beginning 810' from DER, 352' left of centerline, up to 119' AGL/293' MSL.
CON'T

MANCHESTER, NH (CON'T)

MANCHESTER BOSTON RGNL (MHT) (CON'T)

Rwy 24 (CON'T), tree 2556' from DER, 1112' right of centerline, 85' AGL/294' MSL.
Trees beginning 3529' from DER, 1042' right of centerline, up to 101' AGL/313' MSL.
Rwy 35, tree 612' from DER, 613' left of centerline, 237' MSL.
Tree 712' from DER, 493' left of centerline, 239' MSL.
Tree 719' from DER, 623' right of centerline, 38' AGL/243' MSL.
Trees beginning 891' from DER, 527' left of centerline, up to 26' AGL/248' MSL.
Tree 1114' from DER, 788' right of centerline, 261' MSL.
Pole, tree beginning 1147' from DER, 486' left of centerline, up to 39' AGL/258' MSL.
Tree 1779' from DER, 944' right of centerline, 77' AGL/271' MSL.
Tree 1888' from DER, 991' right of centerline, 96' AGL/287' MSL.
Tree 1989' from DER, 994' left of centerline, 274' MSL.
Tree 2030' from DER, 989' left of centerline, 61' AGL/280' MSL.
Tree 2247' from DER, 1079' left of centerline, 68' AGL/288' MSL.
Tree, poles beginning 2505' from DER, 558' right of centerline, up to 64' AGL/303' MSL.
Tree 2514' from DER, 1135' left of centerline, 75' AGL/295' MSL.
Trees beginning 2518' from DER, 923' left of centerline, up to 74' AGL/297' MSL.
Trees beginning 2785' from DER, 694' left of centerline, up to 78' AGL/301' MSL.
Trees beginning 3093' from DER, 511' left of centerline, up to 78' AGL/305' MSL.
Tree 3358' from DER, 1235' left of centerline, 314' MSL.
Tree 3378' from DER, 1133' left of centerline, 318' MSL.
Tree 3422' from DER, 1212' left of centerline, 106' AGL/319' MSL.
Trees beginning 3475' from DER, 268' left of centerline, up to 327' MSL.
Trees beginning 4270' from DER, 261' left of centerline, up to 86' AGL/333' MSL.
Tree 5359' from DER, 1186' left of centerline, 84' AGL/352' MSL.
Tree 5509' from DER, 528' left of centerline, 357' MSL.
Trees beginning 5536' from DER, 1317' left of centerline, up to 67' AGL/361' MSL.
Trees beginning 5581' from DER, 1079' left of centerline, up to 65' AGL/364' MSL.
Trees beginning 5689' from DER, 1038' left of centerline, up to 65' AGL/368' MSL.
Trees beginning 5703' from DER, 1259' left of centerline, up to 63' AGL/370' MSL.
Tree 5775' from DER, 1860' left of centerline, 78' AGL/395' MSL.
Trees beginning 5851' from DER, 1038' left of centerline, up to 77' AGL/403' MSL.
Trees beginning 5934' from DER, 1317' left of centerline, up to 76' AGL/409' MSL.
Tree, pole beginning 1 NM from DER, 795' left of centerline, up to 71' AGL/416' MSL.
Trees beginning 1 NM from DER, 1093' left of centerline, up to 68' AGL/417' MSL.
Tree 1.2 NM from DER, 1944' left of centerline, 85' AGL/407' MSL.

MANSFIELD, MA

MANSFIELD MUNI (1B9)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2A 27JUN13 (13178) (FAA)

TAKEOFF MINIMUMS:
Rwys 4,22, NA - VFR only.

TAKEOFF OBSTACLE NOTES:
Rwy 14, trees beginning 89' from DER, 454' left of centerline, up to 65' AGL/182' MSL.
Trees beginning 68' from DER, 143' left of centerline, up to 32' AGL/149' MSL.
Trees beginning 82' from DER, 98' right of centerline, up to 31' AGL/148' MSL.
Trees beginning 1067' from DER, 14' left of centerline, up to 67' AGL/184' MSL.
Trees beginning 846' from DER, 8' right of centerline, up to 101' AGL/208' MSL.
Rwy 32, sign 56' from DER, 164' right of centerline, 2' AGL/124' MSL.
Trees beginning 52' from DER, 187' left of centerline, up to 54' AGL/173' MSL.
Trees beginning 742' from DER, 17' left of centerline, up to 97' AGL/224' MSL.
Trees beginning 638' from DER, 10' right of centerline, up to 103' AGL/230' MSL.

MARSHFIELD, MA

MARSHFIELD MUNI - GEORGE HARLOW FLD (GHG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 13NOV14 (21224) (FAA)

TAKEOFF MINIMUMS:
Rwy 24, 200-1¼ or std. w/min. climb of 205' per NM to 300, or alternatively, with std. takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1100' prior to DER.

DEPARTURE PROCEDURE:
Rwy 24, climb heading 242° to 500 before turning north.

TAKEOFF OBSTACLE NOTES:
Rwy 6, trees and bushes beginning 21' from DER, left and right of centerline, up to 51' AGL/51' MSL.
Trees, poles and buildings beginning 1001' from DER, left and right of centerline, up to 59' AGL/68' MSL.
Boat mast beginning 2734' from DER, left and right of centerline, up to 125' AGL/125' MSL.
Rwy 24, trees beginning 15' from DER, 84' left of centerline, up to 74' AGL/74' MSL.
Tree 474' from DER, 624' right of centerline, up to 71' AGL/77' MSL.
Trees beginning 1371' from DER, left and right of centerline, up to 88' AGL/92' MSL.
Trees beginning 4463' from DER, 1298' left of centerline, up to 88' AGL/153' MSL.
Tree 6031' from DER, 1306' left of centerline, up to 89' AGL/158' MSL.

MERIDEN, CT

MERIDEN MARKHAM MUNI (MMK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 15FEB07 (07046) (FAA)

TAKEOFF MINIMUMS:

Rwy 18, 500-3 or std. w/ min. climb of 235' per NM to 1100.

Rwy 36, std. w/ min. climb of 420' per NM to 1600, or 1500-2½ for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 18, climb heading 176° to 1100 before proceeding on course.

Rwy 36, climbing left turn heading 320° to 1600 before proceeding on course, or for climb in visual conditions, cross Meriden Markham Municipal at or above 1500 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 18, 200' AAO 1.9 NM from DER, 3441' left of centerline, 200' AGL/417' MSL.
200' AAO 1.9 NM from DER, 3563' left of centerline, 200' AGL/417' MSL.
Terrain 50' from DER, 440' right of centerline, 109' MSL.
200' AAO 1.9 NM from DER, 3346' left of centerline, 200' AGL/410' MSL.
Terrain 122' from DER, 223' right of centerline, 105' MSL.
200' AAO 2.5 NM from DER, 1984' left of centerline, 200' AGL/483' MSL.
200' AAO 2.5 NM from DER, 1889' left of centerline, 200' AGL/489' MSL.
Multiple power lines beginning 500' from DER, 216' right of centerline, up to 52' AGL/172' MSL.
Multiple power lines beginning 781' from DER, 192' left of centerline, up to 52' AGL/150' MSL.
Rwy 36, multiple towers 3 NM from DER, 2284' right of centerline, up to 1117' AGL/1220' MSL.
Multiple terrain/AAO 2.5 NM from DER, 3748' right of centerline, up to 200' AGL/903' MSL.

MILLINOCKET, ME

MILLINOCKET MUNI (MLT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 11FEB10 (10042) (FAA)

TAKEOFF MINIMUMS:

Rwy 29, 400-3 or std. w/ min. climb of 535' per NM to 1000.

Rwy 34, 400-2½ or std. w/ min. climb of 351' per NM to 900.

DEPARTURE PROCEDURE:

Rwy 11, climb via heading 107° and MLT R-330 to MLT VOR/DME thence…

Rwy 16, climb via heading 156° and MLT R-309 to MLT VOR/DME thence…

Rwy 29, climb via heading 287° to 1000 then climbing left turn via heading 152° and MLT R-290 to MLT VOR/DME thence…

Rwy 34, climbing right turn via heading 156° and MLT R-344 to MLT VOR/DME thence...

...continue climb in MLT VOR/DME holding pattern (Southeast, Right Turns, 319° inbound) to cross MLT VOR/DME at or above 3000 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 11, bushes beginning 82' from DER, 25' left of centerline, up to 16' AGL/406' MSL.
Trees beginning 49' from DER, 258' left of centerline, up to 100' AGL/489' MSL.
Trees beginning 52' from DER, 247' right of centerline, up to 100' AGL/489' MSL.
Trees beginning 1685' from DER, left and right of centerline, up to 100' AGL/519' MSL.
Rwy 16, vehicle 311' from DER, left and right of centerline, 15' AGL/393' MSL.
Trees beginning 84' from DER, 272' left of centerline, up to 64' AGL/444' MSL.
Trees beginning 20' from DER, 247' right of centerline, up to 66' AGL/436' MSL.
Trees beginning 791' from DER, left and right of centerline, up to 100' AGL/489' MSL.
Rwy 29, antenna, towers, power lines, and stacks beginning 294' from DER, 250' left of centerline, up to 302' AGL/782' MSL.
Obstacle light on localizer, antenna, and power lines beginning 301' from DER, 1' right of centerline, up to 114' AGL/584' MSL.
Trees beginning 300' from DER, 395' left of centerline, up to 62' AGL/452' MSL.
Trees beginning 705' from DER, 237' right of centerline, up to 78' AGL/ 678' MSL.
Rwy 34, trees beginning 28' from DER, 249' right of centerline, up to 113' AGL/729' MSL.
Ttrees beginning 261' from DER, 317' left of centerline, up to 67' AGL/ 457' MSL.
Tower 11162' from DER, 470' right of centerline, 310' AGL/708' MSL.

MONTAGUE, MA

TURNERS FALLS (0B5)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 20JUN19 (19171) (FAA)

TAKEOFF MINIMUMS:

Rwy 16, 1000-3 w/min. climb of 480' per NM to 2000 or std. w/min. climb of 610' per NM to 1800, or 1600-3 for VCOA.

Rwy 34, std. w/min. climb of 270' per NM to 1800, or 1600-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 34, climb heading 338° to 1000 before turning right.

VCOA:

Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Turners Falls airport at or above 1800 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 16, vegetation 84' from DER, 387' right of centerline, 361' MSL.
Vegetation 91' from DER, 229' right of centerline, 369' MSL.
Trees beginning 163' from DER, 219' right of centerline, up to 429' MSL.
Vegetation 172' from DER, 222' left of centerline, 364' MSL.
Vegetation and trees beginning 277' from DER, 117' left of centerline, up to 407' MSL.
Vegetation beginning 557' from DER, 262' left of centerline, up to 421' MSL.
Trees beginning 820' from DER, 400' right of centerline, up to 439' MSL.
Trees beginning 850' from DER, 345' left of centerline, up to 472' MSL.
Trees beginning 1909' from DER, 600' left of centerline, up to 481' MSL.
Trees beginning 2182' from DER, 423' left of centerline, up to 512' MSL.
Trees beginning 2280' from DER, 349' left of centerline, up to 531' MSL.
Trees beginning 2677' from DER, 358' left of centerline, up to 552' MSL.
Trees beginning 1.6 NM from DER, 714' left of centerline, up to 718' MSL.
Trees beginning 1.7 NM from DER, 327' left of centerline, up to 783' MSL.
Trees beginning 1.8 NM from DER, 162' left of centerline, up to 920' MSL.
Trees beginning 1.9 NM from DER, crossing extended runway centerline, up to 1045' MSL.
Trees beginning 2 NM from DER, crossing extended runway centerline, up to 1081' MSL.
Trees beginning 2.1 NM from DER, crossing extended runway centerline, up to 1143' MSL.
Trees beginning 2.2 NM from DER, crossing extended runway centerline, up to 1161' MSL.
Trees and buildings beginning 2.4 NM from DER, 174' right of centerline, up to 200' AGL/1100' MSL.
Trees and tower beginning 2.4 NM from DER, 126' left of centerline, up to 200' AGL/1320' MSL.
Trees beginning 2.5 NM from DER, 1646' right of centerline, up to 865' MSL.

Rwy 34, building 120' from DER, 494' left of centerline, 33' AGL/370' MSL.
Pole 235' from DER, 404' right of centerline, 37' AGL/373' MSL.
Building 243' from DER, 518' left of centerline, 371' MSL.
Trees beginning 295' from DER, 287' right of centerline, up to 407' MSL.
Tree 362' from DER, 465' left of centerline, 402' MSL.
Trees beginning 426' from DER, 162' left of centerline, up to 412' MSL.
Tower 2.3 NM from DER, 881' right of centerline, 199' AGL/736' MSL.

MORRISVILLE, VT

MORRISVILLE-STOWE STATE (MVL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 07MAR13 (13066) (FAA)

TAKEOFF MINIMUMS:

Rwy 1, std. w/min. climb of 358' per NM to 4300 or 3500-3 for climb in visual conditions.

Rwy 19, 900-3 w/min. climb of 500' per NM to 5000 or 3500-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 1, climb heading 029° to 4300 before proceeding on course. For climb in visual conditions: cross Morrisville-Stowe State airport at or above 4100' MSL before proceeding on course. When executing VCOA, notify ATC prior to departure.

Rwy 19, climbing right turn heading 040° to 5000 before proceeding on course. For climb in visual conditions: cross Morrisville-Stowe State airport at or above 4100' MSL before proceeding on course. When executing VCOA, notify ATC prior to departure.

TAKEOFF OBSTACLE NOTES:

Rwy 1, multiple trees beginning 79' from DER, 40' right of centerline, up to 38' AGL/746' MSL.
Numerous trees beginning 1331' from DER, 160' right of centerline, up to 74' AGL/812' MSL.
Multiple buildings, trees, pole, and silo beginning 413' from DER, 595' left of centerline, up to 91' AGL/819' MSL.
Numerous trees beginning 1829' from DER, 257' left of centerline, up to 96' AGL/824' MSL.

Rwy 19, numerous trees beginning 11' from DER, 364' right of centerline, up to 80' AGL/794' MSL.
Multiple buildings beginning 210' from DER, 469' right of centerline, up to 84' AGL/792' MSL.
Numerous trees and buildings beginning 677' from DER, 19' right of centerline, up to 89' AGL/817' MSL.
Numerous trees and poles beginning 1309' from DER, 73' right of centerline, up to 98' AGL/846' MSL.
Numerous trees beginning 5890' from DER, 1940' right of centerline, up to 113' AGL/900' MSL.
Multiple trees 187' from DER, 144' left of centerline, up to 54' AGL/762' MSL.
Numerous trees, poles, and building beginning 1218' from DER, 5' left of centerline, up to 102' AGL/850' MSL.
Numerous trees beginning 1.5 NM from DER, 1979' left of centerline, up to 95' AGL/1175' MSL.

NANTUCKET, MA

NANTUCKET MEML (ACK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 29DEC22 (22363) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 6, terrain 204' from DER, 490' left of centerline, 52' MSL.
Building 979' from DER, 636' left of centerline, 16' AGL/73' MSL.
Rwy 15, vegetation 2' from DER, 475' left of centerline, 48' MSL.
Tree, vehicle on road beginning 8' from DER, 354' left of centerline, up to 23' AGL/56' MSL.
Vegetation 32' from DER, 344' right of centerline, 46' MSL.
Vegetation, tree beginning 105' from DER, 29' right of centerline, up to 11' AGL/50' MSL.
Tree 346' from DER, 449' right of centerline, 51' MSL.
Rwy 24, trees beginning 12' from DER, 300' right of centerline, up to 60' AGL/77' MSL.
Trees, fence beginning 65' from DER, 19' left of centerline, up to 60' AGL/90' MSL.
Trees beginning 227' from DER, 33' right of centerline, up to 60' AGL/83' MSL.
Rwy 33, building 173' from DER, 371' right of centerline, 16' AGL/61' MSL.
Buildings beginning 605' from DER, 235' left of centerline, up to 23' AGL/65' MSL.
Building 894' from DER, 675' right of centerline, 91' MSL.
Tower, building 895' from DER, 318' right of centerline, up to 52' AGL/98' MSL.
Tower, buildings, pole beginning 902' from DER, 168' right of centerline, up to 58' AGL/103' MSL.
Building, tree beginning 923' from DER, 254' left of centerline, up to 38' AGL/78' MSL.
Trees beginning 1286' from DER, 282' left of centerline, up to 43' AGL/83' MSL.
Tree 1963' from DER, 113' left of centerline, 50' AGL/99' MSL.

NASHUA, NH

BOIRE FLD (ASH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 27JUN13 (21112) (FAA)

DEPARTURE PROCEDURE:

Rwy 32, climb heading 319° to 900 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 14, trees beginning 47' from DER, left and right of centerline, up to 80' AGL/262' MSL.
Pole 707' from DER, 673' right of centerline, up to 37' AGL/221' MSL.
Poles beginning 853' from DER, 170' left of centerline, up to 28' AGL/217' MSL.
Pole 989' from DER, 560' right of centerline, up to 53' AGL/240' MSL.
Trees beginning 1030' from DER, 62' right of centerline, up to 80' AGL/270' MSL.
Trees beginning 1057' from DER, 6' left of centerline, up to 112' AGL/283' MSL.
Pole 1465' from DER, 656' right of centerline, up to 68' AGL/253' MSL.
Trees beginning 2253' from DER, 143' left of centerline, up to 82' AGL/287' MSL.
Trees beginning 2405' from DER, 205' right of centerline, up to 113' AGL/289' MSL.
Rwy 32, trees beginning 20' from DER, 99' right of centerline, up to 96' AGL/295' MSL.
Trees beginning 882' from DER, on centerline, up to 80' AGL/259' MSL.
Trees beginning 2333' from DER, 107' left of centerline, up to 97' AGL/300' MSL.
Tree 3562' from DER, 1324' right of centerline, up to 80' AGL/312' MSL.

22 FEB 2024 to 21 MAR 2024
22 FEB 2024 to 21 MAR 2024

NEW BEDFORD, MA

NEW BEDFORD RGNL (EWB)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 8A 20APR23 (23110) (FAA)

TAKEOFF MINIMUMS:

Rwy 14, 300-1½ or std. w/min. climb of 276' NM to 300.
Rwy 32, 300-1¾ or std. w/min. climb of 251' per NM to 300 or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 2100' prior to DER.

DEPARTURE PROCEDURE:

Rwy 14, climb on heading 144° to 700 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 5, pole 37' from DER, on and left of centerline, 13' AGL/87' MSL.
Vehicle on roadway 198' from DER, 499' right of centerline, 105' MSL.
Tree, pole beginning 227' from DER, on centerline, up to 9' AGL/110' MSL.
Tree, terrain, pole, vehicle on roadway beginning 508' from DER, 22' right of centerline, up to 4' AGL/111' MSL.
NAVAID, vegetation beginning 524' from DER, 56' left of centerline, up to 30' AGL/103' MSL.
Tree, vehicle on roadway, vegetation beginning 718' from DER, 21' left of centerline, up to 31' AGL/122' MSL.
Tree, vegetation beginning 825' from DER, 85' right of centerline, up to 8' AGL/122' MSL.
Tree, vegetation beginning 896' from DER, 90' left of centerline, up to 29' AGL/126' MSL.
Tree, terrain beginning 1016' from DER, 214' right of centerline, up to 134' MSL.
Trees beginning 1198' from DER, 104' right of centerline, up to 32' AGL/143' MSL.
Trees beginning 1268' from DER, 369' left of centerline, up to 36' AGL/145' MSL.
Trees beginning 2096' from DER, 94' left of centerline, up to 58' AGL/160' MSL.
Trees beginning 2234' from DER, 80' right of centerline, up to 52' AGL/156' MSL.
Tree 2393' from DER, 731' right of centerline, 160' MSL.
Trees beginning 2456' from DER, 8' right of centerline, up to 176' MSL.
Trees beginning 2623' from DER, 360' left of centerline, up to 162' MSL.
Trees beginning 2849' from DER, 603' left of centerline, up to 63' AGL/167' MSL.

CON'T

NEW BEDFORD, MA (CON'T)

NEW BEDFORD RGNL (EWB) (CON'T)

Rwy 5 (CON'T), building, tree beginning 3104' from DER, 407' right of centerline, up to 65' AGL/180' MSL.
Tree 3869' from DER, 549' left of centerline, 74' AGL/176' MSL.
Tree 3873' from DER, 1337' right of centerline, 187' MSL.
Tree 3895' from DER, 649' left of centerline, 79' AGL/183' MSL.
Tree 3929' from DER, 564' left of centerline, 82' AGL/185' MSL.
Rwy 14, light poles 9' from DER, 64' left of centerline, 8' AGL/68' MSL.
Trees beginning 20' from DER, 360' left of centerline, up to 95' MSL.
Sign 39' from DER, 151' right of centerline, 8' AGL/68' MSL.
Trees beginning 333' from DER, 378' left of centerline, up to 117' MSL.
Tree, pole beginning 388' from DER, 480' right of centerline, up to 96' MSL.
Tree 504' from DER, 605' right of centerline, 102' MSL.
Trees beginning 560' from DER, 272' right of centerline, up to 108' MSL.
Tree, building, pole, tower beginning 565' from DER, 35' left of centerline, up to 133' MSL.
Trees beginning 670' from DER, 8' right of centerline, up to 126' MSL.
Tree 740' from DER, 537' right of centerline, 129' MSL.
Trees beginning 750' from DER, 383' right of centerline, up to 133' MSL.
Tree, pole beginning 760' from DER, 233' right of centerline, up to 137' MSL.
Trees beginning 891' from DER, 534' left of centerline, up to 136' MSL.
Tree, building, pole, terrain, vegetation, monument, vertical structure, vehicle on roadway, fence, smokestack, sign beginning 909' from DER, 168' left of centerline, up to 145' MSL.
Tree, smokestack, building beginning 1981' from DER, 118' right of centerline, up to 151' MSL.
Trees beginning 2129' from DER, 392' right of centerline, up to 154' MSL.
Trees beginning 2299' from DER, 11' left of centerline, up to 149' MSL.
Trees beginning 2378' from DER, on centerline, up to 162' MSL.
Trees beginning 2855' from DER, 422' right of centerline, up to 163' MSL.
Sign, tree, building beginning 2916' from DER, 5' right of centerline, up to 70' AGL/171' MSL.
Tree 2959' from DER, 115' left of centerline, 150' MSL.
Trees beginning 2970' from DER, 52' left of centerline, up to 151' MSL.
Building 3314' from DER, 1210' left of centerline, 63' AGL/152' MSL.
Building beginning 3334' from DER, 806' left of centerline, up to 84' AGL/160' MSL.
Smokestack 4101' from DER, 1392' left of centerline, 126' AGL/213' MSL.
Building 4899' from DER, 1373' right of centerline, 143' AGL/235' MSL.
Building 1.1 NM from DER, 423' left of centerline, 228' AGL/281' MSL.
Building spire 1.1 NM from DER, 424' left of centerline, 235' AGL/279' MSL.
Rwy 23, vegetation 6' from DER, 491' left of centerline, 65' MSL.
NAVAID 7' from DER, on centerline, 1' AGL/65' MSL.
Vehicle on roadway 29' from DER, 258' left of centerline, 75' MSL.
Vehicle on roadway 99' from DER, 204' right of centerline, 74' MSL.
Tree 2171' from DER, 903' right of centerline, 54' AGL/127' MSL.
Tree 2544' from DER, 1165' left of centerline, 137' MSL.
Tree 2840' from DER, 1134' right of centerline, 146' MSL.
Rwy 32, vegetation, wall beginning 38' from DER, 178' right of centerline, up to 95' MSL.
Tree, vegetation beginning 176' from DER, 110' right of centerline, up to 109' MSL.
Trees beginning 311' from DER, 112' right of centerline, up to 124' MSL.
Wall 366' from DER, 220' left of centerline, 2' AGL/87' MSL.
Tree 393' from DER, 41' left of centerline, 92' MSL.
Trees beginning 398' from DER, 8' left of centerline, up to 96' MSL.
Trees beginning 417' from DER, 59' right of centerline, up to 45' AGL/134' MSL.
Pole beginning 539' from DER, 350' left of centerline, up to 29' AGL/107' MSL.
Trees beginning 559' from DER, 67' right of centerline, up to 139' MSL.
Tree, pole beginning 686' from DER, 557' left of centerline, up to 120' MSL.
Trees beginning 775' from DER, 6' right of centerline, up to 148' MSL.
Tree, building beginning 856' from DER, 5' left of centerline, up to 140' MSL.
Trees beginning 1283' from DER, 30' left of centerline, up to 141' MSL.
Trees beginning 1848' from DER, 500' left of centerline, up to 144' MSL.
Tree 2225' from DER, 609' left of centerline, 147' MSL.
Tree 2270' from DER, 804' left of centerline, 148' MSL.
Trees beginning 2272' from DER, 512' left of centerline, up to 155' MSL.
Trees beginning 2377' from DER, 753' left of centerline, up to 157' MSL.
Trees beginning 2535' from DER, 679' left of centerline, up to 166' MSL.
Trees beginning 3746' from DER, 40' right of centerline, up to 173' MSL.
Tree 3847' from DER, 19' right of centerline, 176' MSL.
Tree 3988' from DER, 69' left of centerline, 181' MSL.
Tree 4186' from DER, 57' left of centerline, 183' MSL.
Tree 4728' from DER, 243' left of centerline, 199' MSL.
Trees beginning 4806' from DER, 5' left of centerline, up to 200' MSL.
Tree 4906' from DER, 491' right of centerline, 203' MSL.
Trees beginning 4940' from DER, 80' left of centerline, up to 209' MSL.
Tree 5033' from DER, 1506' left of centerline, 210' MSL.
Tree 5050' from DER, 1631' left of centerline, 217' MSL.
Trees beginning 5076' from DER, 177' left of centerline, up to 220' MSL.
Tree 5096' from DER, 573' right of centerline, 208' MSL.
Tree 5137' from DER, 508' right of centerline, 209' MSL.
CON'T

NEW BEDFORD, MA (CON'T)

NEW BEDFORD RGNL (EWB) (CON'T)

Rwy 32 (CON'T), trees beginning 5162' from DER, 1176' left of centerline, up to 225' MSL.
Trees beginning 5185' from DER, 394' right of centerline, up to 210' MSL.
Trees beginning 5242' from DER, 180' right of centerline, up to 219' MSL.
Trees beginning 5430' from DER, 387' right of centerline, up to 221' MSL.
Tree 5522' from DER, 1461' left of centerline, 226' MSL.
Trees beginning 5587' from DER, 574' right of centerline, up to 225' MSL.
Trees beginning 5671' from DER, 1160' left of centerline, up to 227' MSL.
Tree 5777' from DER, 1750' left of centerline, 228' MSL.
Trees beginning 5784' from DER, 434' right of centerline, up to 227' MSL.
Tree 5877' from DER, 1367' right of centerline, 228' MSL.

NEW HAVEN, CT

TWEED/NEW HAVEN (HVN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 7 08SEP22 (22251) (FAA)

TAKEOFF MINIMUMS:

Rwys 14, 32, NA-Environmental.

Rwy 2, 300-1⅛ w/min. climb of 240' per NM to 860, or std. w/min. climb of 1183' per NM to 380 or 1000-3 for VCOA.

VCOA:

Rwy 2, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Tweed/New Haven airport at or above 1000 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 2, fence 22' from DER, 497' left of centerline, 14' MSL.
Fence 41' from DER, 449' right of centerline, 22'MSL.
Tree 63' from DER, 369' left of centerline, 16' MSL.
Tower and vehicles on road beginning 124' from DER, 306' right of centerline, up to 53' AGL/64' MSL.
Tree and vehicles on road beginning 397' from DER, 284' right of centerline, up to 70' MSL.
Tree and pole beginning 426' from DER, 563' left of centerline, up to 71' MSL.
Trees beginning 546' from DER, 457' right of centerline, up to 88' MSL.
Tree 634' from DER, 553' right of centerline, 75' AGL/89' MSL.
Tree, pole, building, and transmission line beginning 647' from DER, 489' left of centerline, up to 83' MSL.
Tree, building, and pole beginning 679' from DER, on centerline, up to 95' MSL.
Tree 857' from DER, 593' left of centerline, 105' MSL.
Tree, antenna, transmission line, electrical system, pole, and vehicles on road beginning 900' from DER, 82' left of centerline, up to 155' MSL.
Tree, vegetation, and building beginning 1131' from DER, 103' left of centerline, up to 159' MSL.
Building 1166' from DER, 796' left of centerline, 30' AGL/178' MSL.
Tree, pole, vehicles on road, and electrical system beginning 1170' from DER, 3' left of centerline, up to 180' MSL.
Tree, pole, electrical system, and building beginning 1224' from DER, 28' left of centerline, up to 186' MSL.
Tree, building, and pole beginning 1289' from DER, 107' left of centerline, up to 194' MSL.
Tree, building, and pole beginning 1342' from DER, 49' left of centerline, up to 211' MSL.
Tree, building, and pole beginning 1463' from DER, 17' left of centerline, up to 213' MSL.
Tree, pole, stack, building, traverse way, tank, and antenna beginning 1639' from DER, 1' left of centerline, up to 101' AGL/241' MSL.
Tree and pole beginning 1905' from DER, on centerline, up to 105' MSL.
Tree and building beginning 2264' from DER, on centerline, up to 112' MSL.
Tree and building beginning 2617' from DER, 2' right of centerline, up to 117' MSL.
Trees beginning 2848' from DER, 24' right of centerline, up to 63' AGL/118' MSL.
Trees beginning 2895' from DER, 25' right of centerline, up to 63' AGL/121' MSL.
Tree and pole beginning 3081' from DER, 8' right of centerline, up to 71' AGL/125' MSL.
Tree and pole beginning 3347' from DER, 43' right of centerline, up to 78' AGL/127' MSL.
Tree and pole beginning 3409' from DER, 20' right of centerline, up to 82' AGL/135' MSL.
Tree, building, and pole beginning 3499' from DER, 16' left of centerline, up to 246' MSL.
Tree, building, pole, and vehicles on road beginning 3625' from DER, 2' left of centerline, up to 98' AGL/282' MSL.
Trees beginning 3695' from DER, 28' right of centerline, up to 68' AGL/139' MSL.
Trees beginning 3885' from DER, 11' right of centerline, up to 100' AGL/145' MSL.
Trees beginning 4849' from DER, 1267' left of centerline, up to 226' MSL.

Rwy 20, vegetation 18' from DER, 417' left of centerline, 8' MSL.
Tree, pole, building, and vehicles on road beginning 53' from DER, 478' right of centerline, up to 44' MSL.
Vegetation 57' from DER, 284' left of centerline, 12' MSL.
Vegetation beginning 121' from DER, 273' left of centerline, up to 18' MSL.
Tree and vegetation beginning 298' from DER, 441' left of centerline, up to 28' MSL.
Tree 583' from DER, 564' right of centerline, 52' MSL.
Tree, building, and pole beginning 737' from DER, 560' right of centerline, up to 59' MSL.
Tree, pole, transmission line, and building beginning 944' from DER, 551' right of centerline, up to 80' MSL.
Tree 953' from DER, 542' left of centerline, 43' MSL.
Trees beginning 1226' from DER, 656' right of centerline, up to 54' AGL/90' MSL.
Tree, building, transmission line beginning 1250' from DER, 416' right of centerline, up to 101' MSL.
Trees beginning 2097' from DER, 860' left of centerline, up to 67' MSL.
Trees beginning 2184' from DER, 703' left of centerline, up to 68' MSL.
Trees beginning 2225' from DER, 296' left of centerline, up to 77' MSL.
Trees beginning 2589' from DER, 170' left of centerline, up to 83' MSL.

CON'T

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NEW HAVEN, CT

TWEED/NEW HAVEN (HVN)

Rwy 20 (CON'T), trees beginning 2607' from DER, 151' left of centerline, up to 95' MSL.
Trees beginning 2684' from DER, 120' right of centerline, up to 96' AGL/108' MSL.
Trees beginning 2748' from DER, 133' left of centerline, up to 76' AGL/99' MSL.

NEWPORT, NH

PARLIN FLD (2B3)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 26MAY16 (22083) (FAA)

TAKEOFF MINIMUMS:
Rwy 12, 30, NA-Environmental.
Rwy 18, 600-2½ w/min. climb of 365' per NM to 3400 or 2300-3 for climb in visual conditions.
Rwy 36, 700-1¾ w/min. climb of 487' per NM to 3700 or 2300-3 for climb in visual conditions.
NOTE: Procedure NA at night.

DEPARTURE PROCEDURE:
Rwy 18, climb heading 182° to 3200 before proceeding on course.
Rwy 36, climb heading 002° to 2100 before proceeding on course.

VCOA:
Obtain ATC approval for climb in visual conditions when requesting IFR clearance. Climb in visual conditions to cross Parlin Fld at or above 2900 before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 18, row of trees beginning 7' from DER, from 131' left to 460' right of centerline, and continuing 2715' south along both banks of the river, up to 100' AGL/887' MSL.
Trees beginning 8' from DER, 460' right of centerline, up to 100' AGL/907' MSL.
Trees beginning 439' from DER, 594' right of centerline, up to 100' AGL/926' MSL.
Buildings and trees beginning 2654' from DER, 677' left of centerline, up to 100' AGL/926' MSL.
Buildings and trees beginning 3117' from DER, 983' left of centerline, up to 100' AGL/946' MSL.
Trees beginning 3626' from DER, 502' right of centerline, up to 100' AGL/946' MSL.
Trees beginning 3812' from DER, 640' right of centerline, up to 100' AGL/966' MSL.
Buildings and trees beginning 4084' from DER, 1528' left of centerline, up to 100' AGL/966' MSL.
Buildings, vehicles, and trees beginning 4085' from DER, 974' right of centerline, up to 100' AGL/985' MSL.
Trees beginning 4273' from DER, 1161' right of centerline, up to 100' AGL/998' MSL.
Trees beginning 4559' from DER, 1340' right of centerline, up to 100' AGL/1018' MSL.
Buildings and trees beginning 4630' from DER, 1577' right of centerline, up to 100' AGL/1037' MSL.
Buildings, trees beginning 4826' from DER, 1559' right of centerline, up to 100' AGL/1064' MSL.
Buildings, vehicles, and trees beginning 5046' from DER, 1757' right of centerline, up to 100' AGL/1084' MSL.
Buildings, vehicles, and trees beginning 5503' from DER, 1946' right of centerline, up to 100' AGL/1103' MSL.
Tower 1.0 NM from DER, 155' right of centerline, 206' AGL/990' MSL.
Buildings, vehicles, and trees beginning 1.4 NM from DER, 2233' right of centerline, up to 100' AGL/1123' MSL.
Trees beginning 1.4 NM from DER, 2374' left of centerline, up to 100' AGL/1103' MSL.
Trees beginning 1.6 NM from DER, 2567' left of centerline, up to 100' AGL/1222' MSL.
Trees beginning 1.7 NM from DER, 2804' left of centerline, up to 100' AGL/1281' MSL.
Trees beginning 1.9 NM from DER, 2480' left of centerline, up to 100' AGL/1300' MSL.
Trees beginning 2.0 NM from DER, 3003' left of centerline, up to 100' AGL/1359' MSL.
Rwy 36, vehicles on road beginning from DER, from 130' left to 380' right of centerline, up to 15' AGL/802' MSL.
Trees beginning 61' from DER, from 264' left to 393' right of centerline, up to 100' AGL/887' MSL.
Trees beginning 67' from DER, 192' left of centerline, up to 100' AGL/907' MSL.
Trees beginning 101' from DER, 408' right of centerline, up to 100' AGL/907' MSL.
Trees beginning 112' from DER, 453' right of centerline, up to 100' AGL/926 MSL.
Trees beginning 181' from DER, 330' right of centerline, up to 100' MSL/946' MSL.
Trees beginning 1056' from DER, from 25' right to 854' left of centerline, up to 100' AGL/966' MSL.
Trees beginning 1485' from DER, from 37' right to 937' left of centerline, up to 100' AGL/985' MSL.
Trees beginning 1587' from DER, 381' left of centerline, up to 100' AGL/1005' MSL.
Trees beginning 1634' from DER, 455' left of centerline, up to 100' AGL/1024' MSL.
Trees beginning 1703' from DER, 429' left of centerline, up to 100' AGL/1044' MSL.
Trees beginning 1796' from DER, 292' left of centerline, up to 100' AGL/1064' MSL.
Trees beginning 1880' from DER, 352' left of centerline, up to 100' AGL/1084' MSL.
Trees beginning 4213' from DER, from 313' left to 1324' right of centerline, up to 100' AGL/1005' MSL.
Trees continuing from 5591' from DER, on rising hillside, 826' left of centerline, up to 100' AGL/1103' MSL.
Trees continuing from 5936' from DER, on rising hillside, 913' left of centerline, up to 100' AGL/1123' MSL.
Trees continuing from 1.0 NM from DER, on rising hillside, 992' left of centerline, up to 100' AGL/1162' MSL.
Trees continuing from 1.1 NM from DER, on rising hillside, 1158' left of centerline, up to 100' AGL/1202' MSL.
Trees continuing from 1.2 NM from DER, on rising hillside, 1335' left of centerline, up to 100' AGL/1241' MSL.
Trees beginning 1.2 NM from DER, 2305' right of centerline, up to 100' AGL/1064' MSL.
Trees continuing from 1.3 NM from DER, on rising hillside, 1486' left of centerline, up to 100' AGL/1340' MSL.
Trees continuing from 1.4 NM from DER, on rising hillside, 2436' left of centerline, up to 100' AGL/1399' MSL.
Trees 1.5 NM from DER, on hilltop, 2732' left of centerline, up to 100' AGL/1418' MSL.

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NEWPORT, RI

NEWPORT STATE (UUU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3A 20DEC07 (07354) (FAA)

TAKEOFF MINIMUMS:

Rwy 4, 300-2¼ or std. with a min. climb of 230' per NM to 600, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 2100' prior to DER.

Rwy 16, 200-1 or std. w/ min. climb of 430' per NM to 400.

DEPARTURE PROCEDURE:

Rwy 4, climb heading 039° to 1200 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 4, trees beginning 1.7 NM from DER, 916' right of centerline, up to 100' AGL/459' MSL.

Rwy 16, tower 3782' from DER, 666' right of centerline, 100' AGL/285' MSL, tower 4203' from DER, 1100' right of centerline, 132' AGL/310' MSL.

Rwy 34, terrain 102' from DER, 424' right of centerline, 159' MSL.

Vehicle on road 726' from DER, 602' right of centerline.

NEWPORT, VT

NORTHEAST KINGDOM INTL (EFK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 15JUN23 (23166) (FAA)

TAKEOFF MINIMUMS:

Rwy 18, std. w/min. climb of 283' per NM to 4400, or 2200-3 for VCOA.

Rwy 23, std. w/min. climb of 330' per NM to 3300, or 2200-3 for VCOA.

Rwy 36, std. w/min. climb of 320' per NM to 2000, or 2200-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 5, climb on heading 047° to 2200 before proceeding on course.

Rwy 18, climb on heading 177° to 1500 before turning right.

Rwy 23, climb on heading 227° to 2700 before proceeding on course.

Rwy 36, climb on heading 357° to 3300 before proceeding on course.

VCOA:

Rwys 18, 23, 36, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Northeast Kingdom Intl airport at or above 3000 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 5, terrain beginning 4' from DER, 97' left of centerline, up to 932' MSL.

Vehicles on road, terrain beginning 6' from DER, 204' left of centerline, up to 946' MSL.

Pole 208' from DER, 482' right of centerline, 43' AGL/948' MSL.

Poles beginning 423' from DER, 271' right of centerline, up to 42' AGL/953' MSL.

Trees beginning 456' from DER, 196' left of centerline, up to 969' MSL.

Poles, tree beginning 647' from DER, 84' right of centerline, up to 43' AGL/956' MSL.

Tree 1189' from DER, 578' right of centerline, 77' AGL/959' MSL.

Rwy 18, tree 1218' from DER, 797' right of centerline, 60' AGL/1000' MSL.

Trees beginning 1529' from DER, 820' right of centerline, up to 81' AGL/1022' MSL.

Trees beginning 1799' from DER, 291' right of centerline, up to 86' AGL/1033' MSL.

Terrain 2183' from DER, 671' left of centerline, 1002' MSL.

Terrain beginning 2239' from DER, 254' left of centerline, up to 1003' MSL.

Trees beginning 2515' from DER, 1150' left of centerline, up to 78' AGL/1023' MSL.

Trees beginning 2688' from DER, 988' left of centerline, up to 91' AGL/1048' MSL.

Rwy 23, wall 16' from DER, 333' right of centerline, 5' AGL/928' MSL.

Trees beginning 54' from DER, 377' right of centerline, up to 67' AGL/985' MSL.

Trees beginning 139' from DER, 475' left of centerline, up to 958' MSL.

Trees beginning 172' from DER, 14' left of centerline, up to 90' AGL/1000' MSL.

Trees beginning 298' from DER, 9' right of centerline, up to 69' AGL/987' MSL.

Trees beginning 613' from DER, 13' right of centerline, up to 74' AGL/992' MSL.

Rwy 36, terrain 17' from DER, 499' left of centerline, 936' MSL.

Vehicle on road 95' from DER, 495' right of centerline, 948' MSL.

Trees, terrain beginning 1786' from DER, 150' left of centerline, up to 70' AGL/1007' MSL.

Tree 5363' from DER, 1935' left of centerline, 87' AGL/1068' MSL.

Tree 5507' from DER, 1952' left of centerline, 72' AGL/1077' MSL.

Trees beginning 5828' from DER, 1854' left of centerline, up to 77' AGL/1101' MSL.

Trees beginning 1.1 NM from DER, 898' left of centerline, up to 90' AGL/1131' MSL.

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NORRIDGEWOCK, ME

CENTRAL MAINE/NORRIDGEWOCK (OWK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 29MAY14 (22307) (FAA)

TAKEOFF MINIMUMS:

Rwy 3, 300-1½ or std. w/min. climb of 210' per NM to 500, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1300' prior to DER.

Rwy 15, std. w/min. climb of 235' per NM to 1100, or 1400-2½ for climb in visual conditions.

Rwy 21, std. w/min. climb of 285' per NM to 1000, or 1400-2½ for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 3, climb heading 028° to 1200 before turning left.

Rwy 15, climb heading 148° to 1100 before proceeding on course or for climb in visual conditions: cross Central Maine/ Norridgewock at or above 1500 before proceeding on course. When executing VCOA, notify ATC prior to departure.

Rwy 21, climb heading 208° to 1000 before proceeding on course or for climb in visual conditions: cross Central Maine/ Norridgewock at or above 1500 before proceeding on course. When executing VCOA, notify ATC prior to departure.

Rwy 33, climbing right turn to 1900 direct AUG VOR/DME before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 3, trees beginning 3' from DER, 196' right of centerline, up to 100' AGL/439' MSL.
Trees beginning 139' from DER, 487' left of centerline, up to 100' AGL/367' MSL.

Rwy 15, trees beginning 248' from DER, 559' right of centerline, up to 100' AGL/349' MSL.
Trees beginning 477' from DER. 295' left of centerline, up to 100' AGL/369' MSL.

Rwy 21, trees beginning 15' from DER, 108' right of centerline, up to 100' AGL/399' MSL.
Trees beginning 523' from DER, 608' left of centerline, up to 100' AGL/409' MSL.

Rwy 33, trees beginning 4' from DER, 21' left of centerline, up to 100' AGL/359' MSL.
Trees beginning 264' from DER, 4' right of centerline, up to 100' AGL/379' MSL.

NORTH ADAMS, MA

HARRIMAN-AND-WEST (AQW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 12NOV15 (15316) (FAA)

TAKEOFF MINIMUMS:

Rwy 11, 1100-2¼ w/min. climb of 558' per NM to 4200 or std. w/min. climb of 830' per NM to 3600 or 3500-3 for climb in visual conditions.

Rwy 29, 900-3 w/min. climb of 660' per NM to 3800 or std. w/min. climb of 843' per NM to 3500 or 3500-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 11, climb heading 111° to 4000 before proceeding on course.

Rwy 29, climb heading 291° to 3800 before proceeding on course.

VCOA:

Rwys 11, 29, obtain ATC approval for climb in visual conditions when requesting IFR clearance. Climb in visual conditions to cross Harriman-and-West airport at or above 4000 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 11, building 3' from DER, 420' left of centerline, 15' AGL/664' MSL.
Pole and trees beginning 33' from DER, 360' right of centerline, up to 22' AGL/692' MSL.
Vehicles on road 49' from DER, crossing centerline, 15' AGL/661' MSL.
Multiple trees and building continuing from 149' from DER, left and right of centerline, up to 85' AGL/730' MSL.
Multiple trees, poles and buildings continuing from 198' from DER, left and right of centerline, up to 57' AGL/746' MSL.
Trees and poles continuing from 546' from DER, right and left of centerline, up to 71' AGL/760' MSL.
Multiple trees and buildings continuing from 607' from DER, right and left of centerline, up to 79' AGL/768' MSL.
Multiple trees and poles continuing from 794' from DER, from 708' right and across centerline, up to 92' AGL/781' MSL.
Multiple trees and building on rising hillside continuing from 1459' from DER from 843' right and across centerline, up to 64' AGL/793' MSL.
Trees on rising hillside continuing from 1625' from DER, from 880' right and across centerline, up to 79' AGL/827' MSL.
Trees on rising hillside continuing from 2010' from DER, from 1009' right and across centerline, up to 107' AGL/856' MSL.
Trees on rising hillside continuing from 2510' from DER, from 1169' right and crossing centerline, up to 93' AGL/882' MSL.
Trees on rising hillside continuing from 3537' from DER, 33' right of centerline, up to 80' AGL/907' MSL.
Trees on rising hillside continuing from 4322' from DER, 205' right of centerline, up to 69' AGL/955' MSL.
Trees on rising hillside continuing from 4809' from DER, 603' right of centerline, up to 65' AGL/971' MSL.
Trees on rising hillside continuing from 4842' from DER, 292' right of centerline, up to 89' AGL/995' MSL.
Trees on rising hillside continuing from 4975' from DER, 330' right of centerline, up to 74' AGL/1000' MSL.
Trees on rising hillside continuing from 5081' from DER, 408' right of centerline, up to 84' AGL/1009' MSL.
Trees on rising hillside continuing from 5178' from DER, 146' right of centerline, up to 79' AGL/1024' MSL.
Trees on rising hillside continuing from 5315' from DER, 114' right of centerline, up to 100' AGL/1065' MSL.
Trees on rising hillside continuing from 5443' from DER, 270' right of centerline, up to 108' AGL/1112' MSL.
Trees on rising hillside continuing from 5610' from DER, 10' right of centerline, up to 105' AGL/1129' MSL.
Trees on rising hillside continuing from 5767' from DER, crossing centerline, up to 80' AGL/1163' MSL.
Trees on rising hillside continuing from 5889' from DER, crossing centerline, up to 105' AGL/1188' MSL.
Trees near hilltop continuing from 1 NM from DER, crossing centerline, up to 90' AGL/1232' MSL.
Trees near hilltop continuing from 1.1 NM from DER, crossing centerline, up to 86' AGL/1287' MSL.
Trees on rising hillside and along hilltop continuing from 1.2 NM from DER, 3' right of centerline, up to 65' AGL/1306' MSL.
Trees on rising hillside continuing from 1.2 NM from DER, 7' left of centerline, up to 91' AGL/1294' MSL.
Trees on hilltop 1.9 NM from DER, 3504' right of centerline, up to 111' AGL/1705' MSL.
Transmission tower and transmission line 2 NM from DER, crossing centerline, 50' AGL/1527' MSL.

CON'T

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NORTH ADAMS, MA (CON'T)

HARRIMAN-AND-WEST (AQW) (CON'T)

Rwy 29, pole 9' from DER, 49' right of centerline, 4' AGL/653' MSL.
Trees beginning 60' from DER, 314' left of centerline, up to 65' AGL/707' MSL.
Trees continuing from 143' from DER, left and right of centerline, up to 75' AGL/745' MSL.
Trees continuing from 427' from DER, left and right of centerline, up to 96' AGL/765' MSL.
Multiple buildings 827' from DER, 501' left of centerline, up to 28' AGL/717' MSL.
Trees and buildings continuing from 1061' from DER, 26' left of centerline, up to 94' AGL/782' MSL.
Trees and buildings continuing from 1487' from DER, 56' right of centerline, up to 76' AGL/726' MSL.
Trees and buildings continuing from 1667' from DER, left and right of centerline, up to 60' AGL/828' MSL.
Trees continuing from 1975' from DER, 18' left of centerline, up to 77' AGL/865' MSL.
Multiple trees, buildings, and vehicles, continuing from 2172' from DER, up to 99' AGL/886' MSL.
Trees on rising hillside continuing from 1.1 NM from DER, left and right of centerline, up to 80' AGL/966' MSL.
Trees on rising hillside continuing from 1.4 NM from DER, left and right of centerline, up to 93' AGL/1038' MSL.
Trees on rising hillside continuing from 1.5 NM from DER, left and right of centerline, up to 99' AGL/1043' MSL.
Trees on rising hillside continuing from 1.6 NM from DER, left and right of centerline, up to 112' AGL/1116' MSL.
Trees on rising hillside continuing from 1.6 NM from DER, left and right of centerline, up to 74' AGL/1197' MSL.
Trees on hilltop continuing from 1.7 NM from DER, left and right of centerline, up to 119' AGL/1215' MSL.
Trees on rising hillside continuing from 2.3 NM from DER, left and right of centerline, up to 75' AGL/1295' MSL.
Trees on rising hillside to hilltop continuing from 2.4 NM from DER, left and right of centerline, up to 51' AGL/1479' MSL.

NORTH KINGSTOWN, RI

QUONSET STATE (OQU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 10JAN13 (13010) (FAA)

TAKEOFF MINIMUMS:
Rwy 5, 300-1 or std w/min. climb of 402' per NM to 300.
Rwy 16, 300-1 or std w/min. climb of 281' per NM to 300.

TAKEOFF OBSTACLE NOTES:
Rwy 5, rising terrain 63' from DER, left to right of centerline, up to 33' MSL.
Ships beginning at DER, 220' right of centerline, up to 185' MSL.
Rwy 16, rising terrain 22' from DER, left to right of centerline, up to 27' MSL.
Ships beginning 71' from DER, 543' left of centerline, up to 185' MSL.
Rwy 23, rising terrain 101' from DER, left to right of centerline, up to 33' MSL.
Vehicles beginning 393' from DER, 4' left of centerline, 15' AGL/24' MSL.
Trains beginning 398' from DER, 138' left of centerline, 23' AGL/31' MSL.
Crane 1826' from DER, 924' right of centerline, 106' AGL/112' MSL.
Ships beginning 415' from DER, 521' left of centerline, up to 185' MSL.
Rwy 34, trees beginning 1073' from DER, 697' left of centerline, up to 80' AGL/112' MSL.

NORTHAMPTON, MA

NORTHAMPTON (7B2)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 13JAN11 (11013) (FAA)

TAKEOFF MINIMUMS:
Rwy 14, 1500-2½ for climb in visual conditions.
Rwy 32, std. w/ min. climb of 286' per NM to 2000.

DEPARTURE PROCEDURE:
Rwy 14, for climb in visual conditions: cross Northampton Airport at or above 1500 before proceeding on course. **Rwy 32,** climb heading 323° to 2000 before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 14, vehicle on road 5' from DER, 178' right of centerline, up to 17' AGL/136' MSL.
Vehicle on road 35' from DER, 143' left of centerline, up to 17' AGL/136' MSL.
Trees beginning 984' from DER, 476' left of centerline, up to 100' AGL/219' MSL.
Numerous trees beginning 1.2 NM from DER, 1556' left and right of centerline, up sloping on Holyoke range, up to 100' AGL/909' MSL.
Rwy 32, vehicle on road 256' from DER, up to 17' AGL/136' MSL.
Building 176' from DER, 169' right of centerline 25' AGL/144' MSL.
Trees beginning 85' from DER, 462' left of centerline, up to 100' AGL/219' MSL.
Vehicle on road 1638' from DER, 116' left of centerline, 17' AGL/176' MSL.

NORWOOD, MA

NORWOOD MEML (OWD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 8 12AUG21 (21224) (FAA)

TAKEOFF MINIMUMS:

Rwy 10, 400-2½ or std. w/min. climb of 335' per NM to 300.

Rwy 28, 400-2 or std. w/min. climb of 385' per NM to 400.

Rwy 35, 300-1¾ or std. w/min. climb of 230' per NM to 400, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1900' prior to DER.

DEPARTURE PROCEDURE:

Rwy 10, climb on heading 104° to 1100 before turning north.

Rwy 28, climb on heading 275° to 700 before turning north.

Rwy 35, climb on heading 320° to 1800 before turning east.

TAKEOFF OBSTACLE NOTES:

Rwy 10, vegetation beginning 13' from DER, 302' right of centerline, up to 12' AGL/52' MSL.
Trees beginning 89' from DER, 115' left of centerline, up to 69' AGL/110' MSL.
Tree, vegetation beginning 130' from DER, 135' right of centerline, up to 20' AGL/60' MSL.
Trees beginning 662' from DER, 530' right of centerline, up to 59' AGL/101' MSL.
Trees beginning 701' from DER, 132' left of centerline, up to 76' AGL/116' MSL.
Trees beginning 1062' from DER, 15' right of centerline, up to 109' MSL.
Trees beginning 1092' from DER, 65' left of centerline, up to 120' MSL.
Trees beginning 1192' from DER, 79' right of centerline, up to 112' MSL.
Trees beginning 1262' from DER, 14' right of centerline, up to 123' MSL.
Trees beginning 1496' from DER, 70' left of centerline, up to 123' MSL.
Trees beginning 1631' from DER, 26' left of centerline, up to 126' MSL.
Trees beginning 2150' from DER, 32' left of centerline, up to 138' MSL.
Trees beginning 2431' from DER, 57' right of centerline, up to 124' MSL.
Trees beginning 2530' from DER, 50' right of centerline, up to 137' MSL.
Trees beginning 2724' from DER, 47' left of centerline, up to 139' MSL.
Tree 3125' from DER, 1332' left of centerline, 146' MSL.
Tree 3320' from DER, 443' right of centerline, 140' MSL.
Trees beginning 3539' from DER, 115' right of centerline, up to 173' MSL.
Trees beginning 3786' from DER, 687' right of centerline, up to 176' MSL.
Tree 3792' from DER, 252' left of centerline, 147' MSL.
Trees beginning 3881' from DER, 918' right of centerline, up to 177' MSL.
Trees beginning 3961' from DER, 63' left of centerline, up to 159' MSL.
Trees beginning 4011' from DER, 599' right of centerline, up to 186' MSL.
Trees beginning 4117' from DER, 22' right of centerline, up to 209' MSL.
Trees beginning 4122' from DER, 171' left of centerline, up to 173' MSL.
Trees beginning 4198' from DER, 4' left of centerline, up to 182' MSL.
Trees beginning 4239' from DER, 286' right of centerline, up to 222' MSL.
Trees beginning 4288' from DER, 295' left of centerline, up to 190' MSL.
Trees beginning 4623' from DER, 432' right of centerline, up to 223' MSL.
Trees beginning 4676' from DER, 9' right of centerline, up to 229' MSL.
Trees beginning 5471' from DER, 780' left of centerline, up to 193' MSL.
Tree 5557' from DER, 1163' left of centerline, 202' MSL.
Trees beginning 5634' from DER, 708' left of centerline, up to 203' MSL.
Tree 5754' from DER, 1124' left of centerline, 204' MSL.
Trees beginning 5788' from DER, 84' left of centerline, up to 208' MSL.
Trees beginning 5882' from DER, 107' left of centerline, up to 213' MSL.
Tree 5932' from DER, 658' left of centerline, 217' MSL.
Trees beginning 5940' from DER, 12' left of centerline, up to 218' MSL.
Trees beginning 6075' from DER, 19' left of centerline, up to 219' MSL.
Trees beginning 1 NM from DER, 130' left of centerline, up to 223' MSL.
Trees beginning 1 NM from DER, 33' left of centerline, up to 227' MSL.
Trees beginning 1 NM from DER, 172' right of centerline, up to 230' MSL.
Trees beginning 1.1 NM from DER, 147' left of centerline, up to 235' MSL.
Trees beginning 1.1 NM from DER, 261' left of centerline, up to 237' MSL.
Trees beginning 1.1 NM from DER, 42' right of centerline, up to 239' MSL.
Trees beginning 1.1 NM from DER, 198' right of centerline, up to 246' MSL.
Trees beginning 1.1 NM from DER, 442' left of centerline, up to 239' MSL.
Trees beginning 1.1 nm from DER, 358' right of centerline, up to 250' MSL.
Trees beginning 1.1 NM from DER, 34' left of centerline, up to 240' MSL.
Trees beginning 1.1 NM from DER, 130' right of centerline, up to 253' MSL.
Trees beginning 1.1 NM from DER, 237' left of centerline, up to 243' MSL.
Trees beginning 1.1 NM from DER, 11' left of centerline, up to 248' MSL.
Trees beginning 1.1 NM from DER, 31' right of centerline, up to 107' AGL/257' MSL.
Trees beginning 1.1 NM from DER, 99' left of centerline, up to 254' MSL.
Pole 1.9 NM from DER, 2146' left of centerline, 115' AGL/355' MSL.
Rwy 17, tree 42' from DER, 506' left of centerline, 33' AGL/76' MSL.
Vegetation 60' from DER, 306' right of centerline, 5' AGL/50' MSL.
Tree 69' from DER, 363' left of centerline, 34' AGL/83' MSL.
Vegetation beginning 85' from DER, 434' right of centerline, up to 12' AGL/54' MSL.
Trees beginning 88' from DER, 319' left of centerline, up to 42' AGL/92' MSL.
Tree 452' from DER, 439' right of centerline, 25' AGL/66' MSL.

CON'T

22 FEB 2024 to 21 MAR 2024
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NORWOOD, MA (CON'T)

NORWOOD MEML (OWD) (CON'T)

Rwy 17 (CON'T), trees beginning 595' from DER, 509' right of centerline, up to 62' AGL/103' MSL.
Trees beginning 928' from DER, 627' left of centerline, up to 51' AGL/93' MSL.
Trees beginning 1033' from DER, 450' left of centerline, up to 57' AGL/98' MSL.
Tree 1309' from DER, 697' left of centerline, 61' AGL/102' MSL.
Trees beginning 1327' from DER, 276' left of centerline, up to 71' AGL/113' MSL.
Tree 1363' from DER, 645' right of centerline, 62' AGL/104' MSL.
Tree 1592' from DER, 745' right of centerline, 67' AGL/110' MSL.
Trees beginning 1720' from DER, 775' right of centerline, up to 73' AGL/117' MSL.
Trees beginning 1823' from DER, 244' left of centerline, up to 75' AGL/117' MSL.
Tree 1968' from DER, 796' right of centerline, 77' AGL/121' MSL.
Trees beginning 2044' from DER, 299' right of centerline, up to 82' AGL/127' MSL.
Trees beginning 2564' from DER, 479' right of centerline, up to 97' AGL/143' MSL.
Tree 2627' from DER, 352' left of centerline, 77' AGL/119' MSL.
Trees beginning 2716' from DER, 292' left of centerline, up to 81' AGL/124' MSL.
Trees beginning 2723' from DER, 141' right of centerline, up to 104' AGL/151' MSL.
Trees beginning 2787' from DER, 179' left of centerline, up to 95' AGL/137' MSL.
Trees beginning 2815' from DER, 877' right of centerline, up to 110' AGL/155' MSL.
Trees beginning 2939' from DER, 657' right of centerline, up to 157' MSL.
Trees beginning 3153' from DER, 996' right of centerline, up to161' MSL.
Trees beginning 3297' from DER, 999' right of centerline, up to 180' MSL.
Rwy 28, vegetation 15' from DER, 147' left of centerline, 4' AGL/51' MSL.
Vegetation beginning 98' from DER, 14' right of centerline, up to 7' AGL/54' MSL.
Vegetation 109' from DER, 301' left of centerline, 7' AGL/53' MSL.
Tree 114' from DER, 196' left of centerline, 17' AGL/62' MSL.
Building, vegetation beginning 162' from DER, 116' left of centerline, up to 23' AGL/71' MSL.
Building, vegetation, pole beginning 222' from DER, 198' left of centerline, up to 30' AGL/78' MSL.
Vegetation 258' from DER, 375' right of centerline, 12' AGL/56' MSL.
Tree 356' from DER, 170' right of centerline, 18' AGL/62' MSL.
Tree 361' from DER, 238' left of centerline, 33' AGL/81' MSL.
Trees, poles, building, vehicles on road beginning 376' from DER, 5' left of centerline, up to 40' AGL/86' MSL.
Vegetation 487' from DER, 612' right of centerline, 22' AGL/67' MSL.
Pole 511' from DER, 2' right of centerline, 23' AGL/73' MSL.
Trees, vehicles on road, pole beginning 532' from DER, 61' left of centerline, up to 39' AGL/89' MSL.
Trees, poles, vehicles on road beginning 544' from DER, 18' right of centerline, up to 38' AGL/87' MSL.
Trees, poles, vehicles on road beginning 600' from DER, 3' left of centerline, up to 58' AGL/104' MSL.
Trees, vehicles on road beginning 609' from DER, 121' right of centerline, up to 67' AGL/111' MSL.
Trees, poles, vehicles on road beginning 628' from DER, 32' right of centerline, up to 74' AGL/119' MSL.
Trees, vehicles on road, pole beginning 691' from DER, 23' right of centerline, up to 77' AGL/122' MSL.
Trees, vehicles on road beginning 753' from DER, 71' right of centerline, up to 84' AGL/129' MSL.
Tree, pole, vehicles on road beginning 810' from DER, 54' right of centerline, up to 86' AGL/131' MSL.
Trees, poles, stacks, buildings, vehicles on road beginning 834' from DER, 7' right of centerline, up to 86' AGL/132' MSL.
Tree, pole, stack, vehicles on road beginning 886' from DER, 100' left of centerline, up to 116' MSL.
Trees, vehicles on roads, stacks, poles beginning 948' from DER, 6' left of centerline, up to 136' MSL.
Trees beginning 1634' from DER, 234' left of centerline, up to 138' MSL.
Trees, vehicles on road, stack, poles, terrain beginning 1662' from DER, 51' left of centerline, up to 142' MSL.
Trees, poles, vehicles on road, building beginning 1793' from DER, 53' left of centerline, up to 50' AGL/148' MSL.
Tree 1870' from DER, 341' right of centerline, 161' MSL.
Trees, vehicles on road, pole beginning 1884' from DER, 13' right of centerline, up to 172' MSL.
Trees, pole, vehicles on roads, building beginning 1957' from DER, 11' left of centerline, up to 156' MSL.
Trees, vehicles on road, stacks, building beginning 2008' from DER, 19' left of centerline, up to 157' MSL.
Trees, poles, vehicles on road beginning 2022' from DER, 30' right of centerline, up to 176' MSL.
Tree, stacks, vehicles on road beginning 2199' from DER, 7' left of centerline, up to 163' MSL.
Trees, stack beginning 2220' from DER, 181' right of centerline, up to 184' MSL.
Trees, vehicles on road, poles, stacks beginning 2237' from DER, 6' right of centerline, up to 186' MSL.
Tree 2323' from DER, 101' left of centerline, 172' MSL.
Tree 2330' from DER, 38' left of centerline, 173' MSL.
Trees, stack, tank, buildings, poles, vehicles on road beginning 2348' from DER, 38' left of centerline, up to 175' MSL.
Trees, poles, stacks, vehicles on roads beginning 2654' from DER, 44' left of centerline, up to 180' MSL.
Trees, vehicles on road, poles beginning 2795' from DER, 30' right of centerline, up to 188' MSL.
Trees, pole, vehicles on road beginning 2868' from DER, 41' left of centerline, up to 81 ' AGL/188' MSL.
Vehicles on road beginning 2928' from DER, 1' left of centerline, up to 90' AGL/198' MSL.
Trees, buildings, poles, stacks beginning 2990' from DER, 6' right of centerline, up to 198' MSL.
Trees, poles, stack, buildings beginning 3646' from DER, 21' right of centerline, up to 213' MSL.
Trees beginning 4151' from DER, 72' right of centerline, up to 218' MSL.
Trees beginning 4166' from DER, 154' right of centerline, up to 223' MSL.
Trees beginning 4314' from DER, 130' right of centerline, up to 224' MSL.
Trees, pole beginning 4363' from DER, 486' right of centerline, up to 232' MSL.
Tower, poles, trees, stacks, buildings beginning 4465' from DER, 72' right of centerline, up to 157' AGL/261' MSL.
Pole 5446' from DER, 631' left of centerline, 225' MSL.
Stacks, trees beginning 5558' from DER, 33' left of centerline, up to 117' AGL/234' MSL.
Spires, trees, building beginning 5780' from DER, 773' right of centerline, up to 262' MSL.
Spire, trees beginning 6044' from DER, 2' right of centerline, up to 143' AGL/284' MSL.
Spire, trees beginning 1.2 NM from DER, 298' left of centerline, up to 115' AGL/268' MSL.
CON'T

NORWOOD, MA (CON'T)

NORWOOD MEML (OWD) (CON'T)

Rwy 28 (CON'T), trees beginning 1.2 NM from DER, 150' right of centerline, up to 287' MSL.
Spire, trees beginning 1.2 NM from DER, 36' left of centerline, up to 283' MSL.
Trees beginning 1.2 NM from DER, 38' right of centerline, up to 300' MSL.
Trees beginning 1.3 NM from DER, 611' right of centerline, up to 302' MSL.
Trees beginning 1.3 NM from DER, 27' right of centerline, up to 307' MSL.
Trees beginning 1.4 NM from DER, 7' left of centerline, up to 291' MSL.
Trees beginning 1.4 NM from DER, 142' right of centerline, up to 318' MSL.
Trees beginning 1.5 NM from DER, 46' right of centerline, up to 319' MSL.
Tree 1.5 NM from DER, 186' left of centerline, 294' MSL.
Trees beginning 1.5 NM from DER, 78' left of centerline, up to 296' MSL.
Trees beginning 1.5 nm from DER, 417' left of centerline, up to 100' AGL/297' MSL.
Trees, building beginning 1.5 NM from DER, 3' right of centerline, up to 324' MSL.
Tree 1.6 NM from DER, 1242' left of centerline, 88' AGL/301' MSL.
Trees, stack beginning 1.6 nm from DER, 134' right of centerline, up to 82' AGL/325' MSL.
Building, trees, stack beginning 1.6 NM from DER, 78' left of centerline, up to 71' AGL/315' MSL.
Tree 1.6 NM from DER, 381' right of centerline, 326' MSL.
Trees, building, tank beginning 1.6 NM from DER, 117' right of centerline, up to 88' AGL/335' MSL.
Tower, antennas, tree beginning 1.6 nm from DER, 720' right of centerline, up to 132' AGL/386' MSL.
Tree 1.7 NM from DER, 1255' left of centerline, 314' MSL.
Rwy 35, sign beginning 20' from DER, 198' left of centerline, up to 3' AGL/50' MSL.
Tree, vegetation beginning 23' from DER, 276' right of centerline, up to 25' AGL/71' MSL.
Vegetation 118' from DER, 468' left of centerline, 9' AGL/54' MSL.
Trees beginning 278' from DER, 559' right of centerline, up to 49' AGL/92' MSL.
Tree 382' from DER, 580' left of centerline, 26' AGL/70' MSL.
Tree 599' from DER, 588' right of centerline, 58' AGL/101' MSL.
Tree 601' from DER, 478' left of centerline, 34' AGL/78' MSL.
Trees beginning 636' from DER, 17' left of centerline, up to 78' AGL/123' MSL.
Trees beginning 683' from DER, 68' right of centerline, up to 78' AGL/121' MSL.
Trees beginning 1494' from DER, 1' right of centerline, up to 128' MSL.
Trees beginning 2285' from DER, 148' right of centerline, up to 132' MSL.
Trees beginning 2792' from DER, 421' left of centerline, up to 75' AGL/124' MSL.
Trees beginning 2876' from DER, 359' left of centerline, up to 125' MSL.
Trees beginning 2949' from DER, 516' left of centerline, up to 130' MSL.
Trees beginning 3123' from DER, 367' left of centerline, up to 83' AGL/133' MSL.
Tree 3392' from DER, 1343' right of centerline, 137' MSL.
Tree 3531' from DER, 1392' right of centerline, 144' MSL.
Trees beginning 3658' from DER, 1317' right of centerline, up to 154' MSL.
Tree 3969' from DER, 1326' right of centerline, 157' MSL.
Trees beginning 3997' from DER, 1283' right of centerline, up to 173' MSL.
Pole 5686' from DER, 769' right of centerline, 150' AGL/211' MSL.
Pole 5857' from DER, 936' right of centerline, 155' AGL/216' MSL.
Tree 1 NM from DER, 2250' left of centerline, 219' MSL.
Tree 1.1 NM from DER, 2230' left of centerline, 223' MSL.
Tree 1.1 NM from DER, 2126' left of centerline, 227' MSL.
Trees beginning 1.1 NM from DER, 1973' left of centerline, up to 234' MSL.
Tree 1.1 NM from DER, 1878' left of centerline, 244' MSL.
Trees beginning 1.1 NM from DER, 1473' left of centerline, up to 246' MSL.
Tree 1.2 NM from DER, 2017' left of centerline, 248' MSL.
Trees beginning 1.2 NM from DER, 1377' left of centerline, up to 257' MSL.
Trees, stack beginning 1.2 NM from DER, 1245' left of centerline, up to 262' MSL.
Trees beginning 1.2 NM from DER, 1239' left of centerline, up to 265' MSL.
Trees beginning 1.3 NM from DER, 2600' left of centerline, up to 282' MSL.

OLD TOWN, ME

DEWITT FLD/OLD TOWN MUNI (OLD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 19MAY22 (22139) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 4, tree 14' from DER, 459' left of centerline, 124' MSL.
Fence 181' from DER, 344' left of centerline, 127'MSL.
Tree 499' from DER, 463' right of centerline, 19' AGL/135' MSL.
Tree 556' from DER, 595' right of centerline, 161' MSL.
Trees beginning 577' from DER, 592' left of centerline, up to 54' AGL/169' MSL.
Tree 641' from DER, 554' right of centerline, 177' MSL.
Trees beginning 670' from DER, 250' right of centerline, up to 185' MSL.
Tree 807' from DER, 596' left of centerline, 181' MSL.
Trees beginning 830' from DER, 544' left of centerline, up to 184' MSL.
Trees beginning 1098' from DER, 488' left of centerline, up to 192' MSL.
Trees beginning 1253' from DER, 594' right of centerline, up to 203' MSL.
Trees beginning 1300' from DER, 297' left of centerline, up to 197' MSL.
Trees beginning 1512' from DER, 502' right of centerline, up to 207' MSL.
Trees beginning 1583' from DER, 299' right of centerline, up to 219' MSL.

CON'T

OLD TOWN, ME (CON'T)

DEWITT FLD/OLD TOWN MUNI (OLD) (CON'T)

Rwy 4 (CON'T), trees beginning 1819' from DER, 25' left of centerline, up to 198' MSL.
Trees beginning 1956' from DER, 668' left of centerline, up to 202' MSL.
Tree 2050' from DER, 988' right of centerline, 223' MSL.
Trees beginning 2073' from DER, 217' right of centerline, up to 225' MSL.
Tree 2115' from DER, 909' left of centerline, 220' MSL.
Trees beginning 2157' from DER, 710' left of centerline, up to 221' MSL.
Trees beginning 2173' from DER, 719' left of centerline, up to 224' MSL.
Trees beginning 2232' from DER, 29' left of centerline, up to 228' MSL.
Trees beginning 2488' from DER, 18' right of centerline, up to 239' MSL.
Trees beginning 2523' from DER, 9' right of centerline, up to 242' MSL.
Trees beginning 3111' from DER, 335' right of centerline, up to 250' MSL.
Tree 3262' from DER, 1279' right of centerline, 252' MSL.
Trees beginning 3277' from DER, 585' right of centerline, up to 254' MSL.
Trees beginning 3412' from DER, 247' right of centerline, up to 104' AGL/258' MSL.
Trees beginning 3816' from DER, 393' left of centerline, up to 231' MSL.
Tree 4268' from DER, 760' left of centerline, 232' MSL.
Trees beginning 4321' from DER, 751' left of centerline, up to 238' MSL.
Trees beginning 4586' from DER, 1547' left of centerline, up to 244' MSL.
Trees beginning 4799' from DER, 1352' left of centerline, up to 248' MSL.
Tree 5018' from DER, 1842' left of centerline, 108' AGL/250' MSL.
Rwy 12, terrain 7' from DER, 360' right of centerline, 125' MSL.
Building, tree, terrain, vehicles on road beginning 56' from DER, 361' right of centerline, up to 21' AGL/141' MSL.
Vehicles on road, tree, vegetation beginning 57' from DER, 339' left of centerline, up to 129' MSL.
Tree, vehicles on road beginning 168' from DER, 271' left of centerline, up to 25' AGL/131' MSL.
Tree 285' from DER, 468' left of centerline, 46' AGL/152' MSL.
Tree, vehicles on road beginning 324' from DER, 285' right of centerline, up to 149' MSL.
Trees beginning 392' from DER, 20' right of centerline, up to 63' AGL/172' MSL.
Trees beginning 410' from DER, 168' left of centerline, up to 67' AGL/172' MSL.
Trees beginning 1034' from DER, 436' left of centerline, up to 173' MSL.
Trees beginning 1173' from DER, 278' left of centerline, up to 177' MSL.
Trees beginning 1251' from DER, 331' left of centerline, up to 72' AGL/186' MSL.
Trees beginning 1294' from DER, 168' left of centerline, up to 71' AGL/188' MSL.
Trees beginning 1336' from DER, 470' left of centerline, up to 198' MSL.
Trees beginning 1370' from DER, 38' left of centerline, up to 203' MSL.
Trees beginning 1532' from DER, 63' left of centerline, up to 204' MSL.
Tree 1544' from DER, 114' right of centerline, 64' AGL/173' MSL.
Trees beginning 1600' from DER, 44' right of centerline, up to 179' MSL.
Trees beginning 1619' from DER, 131' left of centerline, up to 81' AGL/213' MSL.
Tree 1622' from DER, 159' right of centerline, 180' MSL.
Trees beginning 1683' from DER, 99' right of centerline, up to 63' AGL/181' MSL.
Trees beginning 1752' from DER, 25' right of centerline, up to 190' MSL.
Trees beginning 1789' from DER, 176' left of centerline, up to 76' AGL/216' MSL.
Trees beginning 1871' from DER, 7' right of centerline, up to 76' AGL/206' MSL.
Trees beginning 1896' from DER, 384' left of centerline, up to 100' AGL/224' MSL.
Trees beginning 1924' from DER, 4' left of centerline, up to 230' MSL.
Trees beginning 3152' from DER, 88' right of centerline, up to 222' MSL.
Trees beginning 3255' from DER, 36' right of centerline, up to 94' AGL/235' MSL.
Tree 3576' from DER, 414' right of centerline, 83' AGL/236' MSL.
Trees beginning 3576' from DER, 10' right of centerline, up to 237' MSL.
Trees beginning 3707' from DER, 6' left of centerline, up to 72' AGL/242' MSL.
Trees beginning 3967' from DER, 122' right of centerline, up to 243' MSL.
Trees beginning 4148' from DER, 13' right of centerline, up to 85' AGL/248' MSL.
Rwy 22, fence, sign, general utility, wall beginning 5' from DER, 199' left of centerline, up to 144' MSL.
Vegetation 26' from DER, 183' right of centerline, 128' MSL.
Fence, wall, vegetation, terrain beginning 58' from DER, 304' right of centerline, up to 142' MSL.
Poles, wall, vegetation, tree, fence beginning 193' from DER, 66' right of centerline, up to 26' AGL/158' MSL.
Pole 241' from DER, 509' left of centerline, 163' MSL.
Tree, wall, vehicles on road, fence beginning 261' from DER, 331' left of centerline, up to 174' MSL.
Tree, fence, wall beginning 363' from DER, 5' left of centerline, up to 199' MSL.
Tree, pole beginning 520' from DER, 338' left of centerline, up to 202' MSL.
Tree, building, pole beginning 573' from DER, 331' left of centerline, up to 204' MSL.
Tree 729' from DER, 628' right of centerline, 160' MSL.
Trees beginning 773' from DER, 561' right of centerline, up to 161' MSL.
Trees beginning 963' from DER, 369' left of centerline, up to 207' MSL.
Tree 1047' from DER, 698' left of centerline, 215' MSL.
Trees beginning 1086' from DER, 36' left of centerline, up to 218' MSL.
Trees beginning 1511' from DER, 101' right of centerline, up to 180' MSL.
Trees beginning 1584' from DER, 78' right of centerline, up to 186' MSL.
Tree 1627' from DER, 266' right of centerline, 188' MSL.
Trees beginning 1664' from DER, 203' right of centerline, up to 191' MSL.
Trees beginning 1665' from DER, 64' left of centerline, up to 228' MSL.
Tree 1764' from DER, 255' right of centerline, 193' MSL.
Trees beginning 1781' from DER, 3' right of centerline, up to 194' MSL.
CON'T

22 FEB 2024 to 21 MAR 2024
22 FEB 2024 to 21 MAR 2024

OLD TOWN, ME (CON'T)

DEWITT FLD/OLD TOWN MUNI (OLD) (CON'T)

Rwy 22 (CON'T), trees beginning 1827' from DER, 571' left of centerline, up to 229' MSL.
Trees beginning 1873' from DER, 83' left of centerline, up to 232' MSL.
Tree 1877' from DER, 73' right of centerline, 195' MSL.
Trees beginning 1889' from DER, 7' right of centerline, up to 212' MSL.
Tree, catenary, pole beginning 1980' from DER, 28' left of centerline, up to 233' MSL.
Tree, pole, building beginning 2098' from DER, 12' left of centerline, up to 240' MSL.
Trees beginning 2335' from DER, 7' right of centerline, up to 221' MSL.
Trees beginning 2764' from DER, 616' right of centerline, up to 225' MSL.
Trees beginning 2819' from DER, 828' right of centerline, up to 230' MSL.
Trees beginning 2850' from DER, 7' right of centerline, up to 231' MSL.
Trees beginning 2853' from DER, 334' left of centerline, up to 243' MSL.
Tree, terrain beginning 2859' from DER, 501' left of centerline, up to 244' MSL.
Trees beginning 2892' from DER, 187' left of centerline, up to 245' MSL.
Trees beginning 2967' from DER, 528' right of centerline, up to 232' MSL.
Trees beginning 2984' from DER, 71' right of centerline, up to 234' MSL.
Trees beginning 2991' from DER, 32' left of centerline, up to 250' MSL.
Trees beginning 3039' from DER, 15' right of centerline, up to 246' MSL.
Trees beginning 3067' from DER, 94' left of centerline, up to 257' MSL.
Trees beginning 3286' from DER, 78' left of centerline, up to 258' MSL.
Trees beginning 3412' from DER, 5' left of centerline, up to 266' MSL.
Trees beginning 3501' from DER, 32' right of centerline, up to 249' MSL.
Trees beginning 3691' from DER, 17' right of centerline, up to 253' MSL.
Trees beginning 3929' from DER, 170' right of centerline, up to 254' MSL.
Trees beginning 3966' from DER, 55' right of centerline, up to 106' AGL/259' MSL.
Trees beginning 4036' from DER, 78' right of centerline, up to 260' MSL.
Trees beginning 4561' from DER, 171' left of centerline, up to 267' MSL.
Trees beginning 5221' from DER, 1675' left of centerline, up to 268' MSL.
Tree 5402' from DER, 1820' left of centerline, 276' MSL.
Rwy 30, tree 11' from DER, 365' left of centerline, 43' AGL/163' MSL.
Trees beginning 48' from DER, 355' left of centerline, up to 171' MSL.
Trees beginning 67' from DER, 241' right of centerline, up to 37' AGL/146' MSL.
Trees beginning 149' from DER, 299' right of centerline, up to 51' AGL/164' MSL.
Trees beginning 443' from DER, 373' left of centerline, up to 173' MSL.
Trees beginning 504' from DER, 47' right of centerline, up to 166' MSL.
Trees beginning 589' from DER, 59' left of centerline, up to 175' MSL.
Tree 620' from DER, 542' right of centerline, 61' AGL/167' MSL.
Trees beginning 648' from DER, 473' right of centerline, up to 64' AGL/170' MSL.
Trees beginning 676' from DER, 372' left of centerline, up to 71' AGL/180' MSL.
Tree 836' from DER, 602' right of centerline, 67' AGL/172' MSL.
Trees beginning 901' from DER, 489' left of centerline, up to 182' MSL.
Trees beginning 947' from DER, 32' right of centerline, up to 173' MSL.
Tree 971' from DER, 631' left of centerline, 78' AGL/190' MSL.
Trees beginning 1011' from DER, 14' left of centerline, up to 78' AGL/194' MSL.
Tree 1030' from DER, 499' right of centerline, 71' AGL/176' MSL.
Trees beginning 1038' from DER, 362' right of centerline, up to 179' MSL.
Trees beginning 1537' from DER, 332' right of centerline, up to 81' AGL/192' MSL.
Trees beginning 1705' from DER, 12' right of centerline, up to 89' AGL/196' MSL.
Trees beginning 1809' from DER, 7' right of centerline, up to 97' AGL/206' MSL.
Trees beginning 1890' from DER, 172' left of centerline, up to 90' AGL/202' MSL.
Trees beginning 1973' from DER, 13' left of centerline, up to 94' AGL/207' MSL.
Trees beginning 2889' from DER, 516' right of centerline, up to 214' MSL.
Trees beginning 4131' from DER, 392' left of centerline, up to 107' AGL/240' MSL.

ORANGE, MA

ORANGE MUNI (ORE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 31MAY12 (12152) (FAA)

TAKEOFF MINIMUMS:

Rwy 1, std. w/min. climb of 325' per NM to 1800 or 1300-2½ for climb in visual conditions.
Rwy 14, 400-1½ w/ min. climb of 270' per NM to 1800 or std. w/min. climb of 500' per NM to 1200 or 1300-2 ½ for climb in visual conditions.
Rwy 19, 300-1 ¾ or std. w/min. climb of 240' per NM to 900.
Rwy 32, 400-2 ¼ w/ min. climb of 265' per NM to 1700 or std. w/min. climb of 340' per NM to 1700 or 1300-2 ½ for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 1,climb heading 016° to 1800 before proceeding on course. For climb in visual conditions: cross Orange Muni Airport at or above 1700 MSL before proceeding on course. When executing VCOA, notify ATC prior to departure.
Rwy 14, climb heading 142° to 2000 before proceeding on course. For climb in visual conditions: cross Orange Muni Airport at or above 1700 MSL before proceeding on course. When executing VCOA, notify ATC prior to departure.
Rwy 19, climb heading 196° to 1500 before proceeding on course.
Rwy 32, climb heading 322° to 1700 before proceeding on course. For climb in visual conditions: cross Orange Muni airport at or above 1700 MSL before proceeding on course. When executing VCOA, notify ATC prior to departure.

CON'T

22 FEB 2024 to 21 MAR 2024
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ORANGE, MA (CON'T)

ORANGE MUNI (ORE) (CON'T)

TAKEOFF OBSTACLE NOTES:

Rwy 1, pole and trees beginning 272' from DER, 6' left of centerline, up to 92' AGL/624' MSL.
Terrain and trees beginning 5' from DER, 23' right of centerline, up to 100' AGL/632' MSL.
Rwy 14, trees beginning 186' from DER, 15' left of centerline, up to 90' AGL/699' MSL.
Buildings and trees beginning 48' from DER, 23' right of centerline, up to 94' AGL/703' MSL.
Tower 5889' from DER, 1606' left of centerline, 88' AGL/926' MSL.
Trees 1.1 NM from DER, 2138' left of centerline, up to 70' AGL/817' MSL.
Rwy 19, trees beginning 164' from DER, 28' left of centerline, up to 94' AGL/667' MSL.
Trees beginning 1130' from DER, 23' right of centerline, up to 96' AGL/705' MSL.
Trees 1.1 NM from DER, 1931' right of centerline, up to 83' AGL/751' MSL.
Trees 1.2 NM from DER, 2125' right of centerline, up to 112' AGL/781' MSL.
Trees 1.4 NM from DER, 1927' right of centerline, up to 84' AGL/772' MSL.
Rwy 32, trees beginning 14' from DER, 87' left of centerline, up to 91' AGL/680' MSL.
Trees beginning 521' from DER, 13' right of centerline, up to 95' AGL/618' MSL.
Trees 1.2 NM from DER, 2366' left of centerline, up to 94' AGL/841' MSL.
Trees 1.7 NM from DER, 3315' right of centerline, up to 61' AGL/906' MSL.

OXFORD, CT

WATERBURY-OXFORD (OXC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 6 03JAN19 (19003) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, 300-1⅛ or std. w/min. climb of 340' per NM to 1000.

TAKEOFF OBSTACLE NOTES:

Rwy 18, trees beginning 29' from DER, 384' right of centerline, up to 699' MSL.
Trees beginning 151' from DER, 120' left of centerline, up to 703' MSL.
Trees beginning 264' from DER, 12' right of centerline, up to 703' MSL.
Trees beginning 281' from DER, 87' left of centerline, up to 707' MSL.
Trees beginning 288' from DER, 8' right of centerline, up to 704' MSL.
Trees beginning 290' from DER, 19' left of centerline, up to 712' MSL.
Tree 341' from DER, 303' left of centerline, 714' MSL.
Trees beginning 342' from DER, 16' left of centerline, up to 73' AGL/718' MSL.
Tower, tree beginning 509' from DER, 213' left of centerline, up to 82' AGL/733' MSL.
Transmission line, trees beginning 513' from DER, 4' left of centerline, up to 81' AGL/734' MSL.
Trees beginning 659' from DER, 28' right of centerline, up to 706' MSL.
Trees beginning 686' from DER, 20' right of centerline, up to 708' MSL.
Trees beginning 780' from DER, 48' right of centerline, up to 709' MSL.
Trees beginning 862' from DER, 12' right of centerline, up to 712' MSL.
Trees beginning 957' from DER, 151' left of centerline, up to 746' MSL.
Trees beginning 963' from DER, 25' left of centerline, up to 762' MSL.
Trees, tower, transmission line beginning 1026' from DER, 158' left of centerline, up to 765' MSL.
Tree 1273' from DER, 254' right of centerline, 715' MSL.
Tree 1351' from DER, 198' right of centerline, 718' MSL.
Trees beginning 1373' from DER, 174' right of centerline, up to 720' MSL.
Trees beginning 1606' from DER, 245' left of centerline, up to 768' MSL.
Trees beginning 1648' from DER, 400' left of centerline, up to 76' AGL/776' MSL.
Trees beginning 1806' from DER, 74' left of centerline, up to 777' MSL.
Tree 2151' from DER, 35' right of centerline, 736' MSL.
Trees beginning 2156' from DER, 6' right of centerline, up to 742' MSL.
Trees beginning 2191' from DER, 323' left of centerline, up to 95' AGL/780' MSL.
Trees beginning 2378' from DER, 349' left of centerline, up to 783' MSL.
Trees beginning 2604' from DER, 377' left of centerline, up to 786' MSL.
Tree 3396' from DER, 666' left of centerline, 788' MSL.
Trees beginning 3537' from DER, 731' left of centerline, up to 798' MSL.
Rwy 36, tree 55' from DER, 451' left of centerline, 55' AGL/736' MSL.
Trees beginning 126' from DER, 381' left of centerline, up to 750' MSL.
Trees beginning 403' from DER, 228' left of centerline, up to 751' MSL.
Tree 465' from DER, 534' right of centerline, 65' AGL/748' MSL.
Trees beginning 479' from DER, 346' right of centerline, up to 761' MSL.
Tree 625' from DER, 371' left of centerline, 754' MSL.
Trees beginning 768' from DER, 185' right of centerline, up to 94' AGL/765' MSL.
Tree 3334' from DER, 1392' right of centerline, 849' MSL.
Trees beginning 3572' from DER, 1165' right of centerline, up to 868' MSL.
Trees beginning 3739' from DER, 1195' right of centerline, up to 80' AGL/888' MSL.
Trees beginning 3866' from DER, 0' of centerline, up to 85' AGL/891' MSL.
Tree 5049' from DER, 53' left of centerline, 858' MSL.
Tree 5051' from DER, 13' left of centerline, 860' MSL.
Tree 5087' from DER, 48' left of centerline, 865' MSL.
Trees beginning 5109' from DER, 32' left of centerline, up to 867' MSL.
Trees beginning 5142' from DER, 14' left of centerline, up to 873' MSL.
Trees beginning 5200' from DER, 50' left of centerline, up to 874' MSL.
Tree 5245' from DER, 52' left of centerline, 877' MSL.

CON'T

OXFORD, CT (CON'T)

WATERBURY-OXFORD (OXC) (CON'T)

Rwy 36 (CON'T), trees beginning 5274' from DER, 3' left of centerline, up to 880' MSL.
Trees beginning 5303' from DER, 25' left of centerline, up to 882' MSL.
Trees beginning 5326' from DER, 0' left of centerline, up to 884' MSL.
Trees beginning 5480' from DER, 16' right of centerline, up to 883' MSL.

OXFORD, ME

OXFORD COUNTY RGNL (81B)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 05JUL07 (07186) (FAA)

TAKEOFF MINIMUMS:
Rwy 15, 600-3 or 1800-2½ for climb in visual conditions.
Rwy 33, std. w/ min. climb of 475' per NM to 2000, or 1800-2½ for climb in visual conditions.

DEPARTURE PROCEDURE:
Rwy 15, climb heading 149° to 1300 before proceeding on course or for climb in visual conditions cross Oxford County Rgnl Airport at or above 2000 before proceeding on course.
Rwy 33, climb heading 329° to 2000 before proceeding on course or for climb in visual conditions cross Oxford County Rgnl Airport at or above 2000 before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 15, multiple trees beginning 3607' from DER, 572' left of centerline, up to 100' AGL/679' MSL.
Multiple assumed obstacles beginning 1.7 NM from DER, 1478' left of centerline, up to 200' AGL/849' MSL.
Rwy 33, multiple trees beginning 4121' from DER, 70' left of centerline, up to 100' AGL/499' MSL.
Multiple trees beginning 5446' from DER, 239' right of centerline, up to 100' AGL/719' MSL.
Multiple assumed obstacles beginning 1.6 NM from DER, 393' right of centerline, up to 200' AGL/1079' MSL.

PAWTUCKET, RI

NORTH CENTRAL STATE (SFZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 07MAR13 (13066) (FAA)

TAKEOFF OBSTACLE NOTES:
Rwy 5, tree 103' from DER, 233' right of centerline, 34' AGL/434' MSL.
Windsock abeam DER, 233' right of centerline, 16' AGL/426' MSL.
Bush 40' from DER, 249' left of centerline, 28' AGL/428' MSL.
Pole 25' from DER, 505' left of centerline, 78' AGL/439' MSL.
Tree 346' from DER, 569' left of centerline, 87' AGL/438' MSL.
Rwy 15, trees beginning 148' from DER, 32' left of centerline, up to 74' AGL/523' MSL.
Trees beginning 119' from DER, 417' right of centerline, up to 93' AGL/552' MSL.
Pole 200' from DER, 286' right of centerline, 74' AGL/504' MSL.
Tree 2569' from DER, on centerline, 67' AGL/516' MSL.
Rwy 23, trees beginning 144' from DER, 278' left of centerline, up to 90' AGL/480' MSL.
Pole 171' from DER, 511' left of centerline, 85' AGL/475' MSL.
Trees beginning 916' from DER, 602' right of centerline, 87' AGL/456' MSL.
Pole 176' from DER, 507' right of centerline, 65' AGL/446' MSL.
Rwy 33, trees beginning 58' from DER, 80' left of centerline, up to 45' AGL/554' MSL.
Poles beginning 291' from DER, 207' left of centerline, up to 80' AGL/490' MSL.
Trees beginning 23' from DER, 504' right of centerline, up to 75' AGL/494' MSL.
Trees beginning 819' from DER, 415' right of centerline, up to 94' AGL/504' MSL.
Poles beginning 827' from DER, 523' right of centerline, up to 44' AGL/464' MSL.

PITTSFIELD, MA

PITTSFIELD MUNI (PSF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2A 28FEB19 (19059) (FAA)

TAKEOFF MINIMUMS:
Rwys 14, 32, NA.
Rwy 8, 1100-2 or std. w/min. climb of 270' per NM to 2500.
Rwy 26, 800-2 or std. w/min. climb of 360' per NM to 2100.

DEPARTURE PROCEDURE:
Rwy 8, climb runway heading to 2000, then climbing right turn via CTR R-331 to 3000 before proceeding on course. **Rwy 26,** climb runway heading to 2400 before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 8, pole 75' from DER, 35' right of centerline, 17' AGL/1136' MSL.
Pole 164' from DER, 107' right of centerline, 30' AGL/1146' MSL.
Trees beginning 310' from DER, 457' right of centerline, up to 64' AGL/1185' MSL.

PITTSFIELD, ME

PITTSFIELD MUNI (2B7)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2A 09FEB12 (23054) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, 300-1¼ or std w/min. climb of 220' per NM to 500.

TAKEOFF OBSTACLE NOTES:

Rwy 18, trees beginning 86' from DER, left and right of centerline, up to 80' AGL/259' MSL.

Rwy 36, aircraft 49' from DER, 156' left of centerline, 17' AGL/216' MSL.

Vehicle 139' from DER, 452' left of centerline, 15' AGL/214' MSL.

Building, trees and poles beginning 63' from DER, 15' right of centerline, up to 77' AGL/357' MSL.

Trees, poles and buildings beginning 106' from DER, 39' left of centerline, up to 82' AGL/312' MSL.

PLAINVILLE, CT

ROBERTSON FLD (4B8)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 30APR15 (22139) (FAA)

TAKEOFF MINIMUMS:

Rwy 2, std. w/min. climb of 220' per NM to 2400, or 2200-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 2, climb heading 019° to 2400 before turning right.

Rwy 20, climb heading 199° to 1800 before proceeding on course.

VCOA:

Rwy 2, obtain ATC approval for climb in visual conditions when requesting IFR clearance. Climb in visual conditions to cross Robertson Fld at or above 2300 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 2, trees beginning 6' from DER, 143' left of centerline, up to 96' AGL/267' MSL.

Poles and trees beginning 128' from DER, 143' right of centerline, up to 102' AGL/273' MSL.

Trees beginning 2018' from DER, 128' right of centerline, up to 118' AGL/329' MSL.

Trees beginning 2038' from DER, 786' left of centerline, up to 128' AGL/349' MSL.

Rwy 20, trees, poles and buildings beginning 46' from DER, 23' left of centerline, up to 71' AGL/262' MSL.

Trees beginning 356' from DER, 99' right of centerline, up to 61' AGL/252' MSL.

Trees beginning 2020' from DER, 10' right of centerline, up to 71' AGL/262' MSL.

Trees and poles beginning 2025' from DER, 247' left of centerline, up to 98' AGL/289' MSL.

PLYMOUTH, MA

PLYMOUTH MUNI (PYM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 30NOV23 (23334) (FAA)

DEPARTURE PROCEDURE:

Rwy 6, climb on heading 056° to 800 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 6, tree 14' from DER, 147' left of centerline, 24' AGL/153' MSL.

Buildings, trees, pole beginning 14' from DER, 289' left of centerline, up to 22' AGL/164' MSL.

Tree 30' from DER, 350' right of centerline, 172' MSL.

Trees beginning 116' from DER, 323' right of centerline, up to 34' AGL/183' MSL.

Tree 117' from DER, 129' left of centerline, 34' AGL/169' MSL.

Trees, buildings beginning 125' from DER, 298' left of centerline, up to 42' AGL/181' MSL.

Trees, building beginning 483' from DER, 324' left of centerline, up to 48' AGL/197' MSL.

Trees beginning 495' from DER, 321' right of centerline, up to 37' AGL/185' MSL.

Trees beginning 547' from DER, 328' right of centerline, up to 212' MSL.

Trees beginning 615' from DER, 318' right of centerline, up to 69' AGL/219' MSL.

Trees, building, poles beginning 627' from DER, 357' left of centerline, up to 52' AGL/202' MSL.

Tree, NAVAID beginning 863' from DER, 240' left of centerline, up to 209' MSL.

Trees beginning 873' from DER, on centerline, up to 83' AGL/233' MSL.

Trees, poles, building beginning 876' from DER, 40' left of centerline, up to 215' MSL.

Trees, buildings, poles beginning 1045' from DER, 9' left of centerline, up to 233' MSL.

Trees beginning 1624' from DER, 8' left of centerline, up to 82' AGL/234' MSL.

Trees beginning 1761' from DER, 12' left of centerline, up to 88' AGL/239' MSL.

Trees beginning 2637' from DER, 21' left of centerline, up to 86' AGL/241' MSL.

Trees beginning 2696' from DER, 10' left of centerline, up to 87' AGL/243' MSL.

Trees beginning 2857' from DER, 65' left of centerline, up to 86' AGL/244' MSL.

Trees beginning 2921' from DER, 6' left of centerline, up to 92' AGL/250' MSL.

Trees beginning 3000' from DER, 586' right of centerline, up to 81' AGL/237' MSL.

Trees beginning 3067' from DER, 48' right of centerline, up to 92' AGL/248' MSL.

Rwy 15, terrain 15' from DER, 480' left of centerline, 134' MSL.

Vehicles on road beginning 26' from DER, 410' right of centerline, up to 145' MSL.

Pole, vehicle on road beginning 210' from DER, 323' right of centerline, up to 164' MSL.

Tree 261' from DER, 283' left of centerline, 177' MSL.

Trees beginning 266' from DER, 459' right of centerline, up to 170' MSL.

Tree 383' from DER, 529' left of centerline, 198' MSL.

Tree, electrical system beginning 413' from DER, 359' right of centerline, up to 192' MSL.

Trees, electrical system beginning 541' from DER, 328' right of centerline, up to 197' MSL.

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PLYMOUTH, MA (CON'T)

PLYMOUTH MUNI (PYM) (CON'T)

Rwy 15 (CON'T), trees beginning 550' from DER, 291' left of centerline, up to 208' MSL.
Trees beginning 608' from DER, 327' left of centerline, up to 210' MSL.
Tree, electrical system beginning 642' from DER, 637' right of centerline, up to 199' MSL.
Trees beginning 770' from DER, 440' right of centerline, up to 203' MSL.
Tree 885' from DER, 408' right of centerline, 204' MSL.
Tree 937' from DER, 565' right of centerline, 211' MSL.
Trees, poles beginning 978' from DER, 4' right of centerline, up to 222' MSL.
Trees beginning 1166' from DER, 3' left of centerline, up to 86' AGL/217' MSL.
Trees beginning 2065' from DER, 58' right of centerline, up to 79' AGL/225' MSL.
Trees beginning 2221' from DER, 625' left of centerline, up to 223' MSL.
Trees beginning 2463' from DER, 738' left of centerline, up to 103' AGL/228' MSL.
Trees beginning 2520' from DER, 758' left of centerline, up to 95' AGL/230' MSL.
Tree 3781' from DER, 1160' left of centerline, 71' AGL/232' MSL.
Tree 3860' from DER, 1237' left of centerline, 76' AGL/235' MSL.
Tree 4029' from DER, 1048' left of centerline, 68' AGL/239' MSL.
Trees beginning 4040' from DER, 1146' left of centerline, up to 75' AGL/242' MSL.
Trees beginning 4188' from DER, 1295' left of centerline, up to 83' AGL/245' MSL.
Tree 4284' from DER, 1572' left of centerline, 86' AGL/246' MSL.
Trees beginning 4558' from DER, 736' right of centerline, up to 74' AGL/252' MSL.
Tree 4558' from DER, 117' left of centerline, 71' AGL/249' MSL.
Trees beginning 4595' from DER, 12' left of centerline, up to 72' AGL/257' MSL.
Tree 4632' from DER, 180' right of centerline, 84' AGL/253' MSL.
Trees beginning 4656' from DER, 78' right of centerline, up to 83' AGL/256' MSL.
Tree 4690' from DER, 96' left of centerline, 75' AGL/261' MSL.
Trees beginning 4709' from DER, 83' left of centerline, up to 79' AGL/266' MSL.
Tree 4742' from DER, 518' right of centerline, 82' AGL/259' MSL.
Tree 4778' from DER, 429' right of centerline, 85' AGL/260' MSL.
Trees beginning 4787' from DER, 17' right of centerline, up to 80' AGL/261' MSL.
Trees beginning 4791' from DER, 86' right of centerline, up to 89' AGL/263' MSL.
Rwy 24, electrical system 5' from DER, 10' right of centerline, 1' AGL/136' MSL.
Pole 5' from DER, 10' left of centerline, 1' AGL/136' MSL.
Poles, trees beginning 806' from DER, 619' right of centerline, up to 56' AGL/186' MSL.
Trees, pole beginning 1247' from DER, 613' right of centerline, up to 72' AGL/198' MSL.
Trees, pole beginning 1427' from DER, 581' right of centerline, up to 82' AGL/207' MSL.
Tree 1460' from DER, 876' left of centerline, 63' AGL/189' MSL.
Tree 1504' from DER, 887' left of centerline, 190' MSL.
Trees beginning 1725' from DER, 532' right of centerline, up to 84' AGL/211' MSL.
Trees beginning 1836' from DER, 910' left of centerline, up to 74' AGL/197' MSL.
Trees beginning 1881' from DER, 495' right of centerline, up to 89' AGL/213' MSL.
Trees beginning 1956' from DER, 938' left of centerline, up to 83' AGL/204' MSL.
Trees beginning 1968' from DER, 394' right of centerline, up to 93' AGL/216' MSL.
Trees beginning 2174' from DER, 605' left of centerline, up to 98' AGL/215' MSL.
Trees beginning 2312' from DER, 478' left of centerline, up to 106' AGL/222' MSL.
Trees beginning 2477' from DER, 376' right of centerline, up to 94' AGL/219' MSL.
Trees beginning 2949' from DER, 395' right of centerline, up to 102' AGL/223' MSL.
Trees beginning 3044' from DER, 475' right of centerline, up to 106' AGL/225' MSL.
Trees beginning 3251' from DER, 202' right of centerline, up to 111' AGL/228' MSL.
Rwy 33, pole 2' from DER, 457' left of centerline, 20' AGL/162' MSL.
Terrain 22' from DER, 238' right of centerline, 146' MSL.
Light poles, vehicles on road beginning 40' from DER, 255' left of centerline, up to 34' AGL/175' MSL.
Pole, vehicles on road, trees beginning 72' from DER, 268' left of centerline, up to 38' AGL/180' MSL.
Stacks, buildings beginning 123' from DER, 337' right of centerline, up to 20' AGL/167' MSL.
Buildings, stack beginning 268' from DER, 301' right of centerline, up to 168' MSL.
Poles, electrical system beginning 595' from DER, 457' right of centerline, up to 36' AGL/178' MSL.
Trees, electrical system, pole beginning 700' from DER, 68' left of centerline, up to 47' AGL/189' MSL.
Trees, electrical system, buildings, poles beginning 700' from DER, 56' right of centerline, up to 72' AGL/211' MSL.
Tree 786' from DER, 577' left of centerline, 202' MSL.
Trees beginning 798' from DER, 134' left of centerline, up to 67' AGL/210' MSL.
Tree 828' from DER, 430' left of centerline, 70' AGL/215' MSL.
Trees, pole beginning 843' from DER, 16' left of centerline, up to 77' AGL/221' MSL.
Tree 920' from DER, 525' right of centerline, 74' AGL/218' MSL.
Trees, poles beginning 929' from DER, 8' right of centerline, up to 77' AGL/223' MSL.
Trees beginning 2183' from DER, 558' right of centerline, up to 73' AGL/234' MSL.
Trees beginning 2362' from DER, 153' left of centerline, up to 81' AGL/223' MSL.
Trees beginning 2375' from DER, 106' left of centerline, up to 76' AGL/227' MSL.
Trees, electrical system beginning 2379' from DER, 11' right of centerline, up to 82' AGL/240' MSL.
Trees, pole beginning 2492' from DER, 23' right of centerline, up to 77' AGL/242' MSL.
Trees beginning 2509' from DER, 25' left of centerline, up to 85' AGL/238' MSL.
Trees beginning 3544' from DER, 39' left of centerline, up to 106' AGL/242' MSL.

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PORTLAND, ME

PORTLAND INTL JETPORT (PWM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 7 10DEC15 (15344) (FAA)

TAKEOFF MINIMUMS:

Rwy 11, 300-1¼ or std. w/min. climb of 272' per NM to 400.

Rwy 36, 400-2¾ or std. w/min. climb of 235' per NM to 600.

TAKEOFF OBSTACLE NOTES:

Rwy 11, tree 481' from DER, 563' right of centerline, 32' AGL/69' MSL.
Tree 650' from DER, 551' left of centerline, 25' AGL/67' MSL.
Trees beginning 5943' from DER, 1152' left of centerline, up to 189' AGL/230' MSL.
Trees beginning 1 NM from DER, 2025' left of centerline, up to 186' AGL/228' MSL.
Trees beginning 1 NM from DER, 1660' left of centerline, up to 209' AGL/251' MSL.
Rwy 18, tree 107' from DER, 522' right of centerline, 33' AGL/77' MSL.
Tree 178' from DER, 481' right of centerline, 38' AGL/82' MSL.
Trees beginning 207' from DER, left and right of centerline, up to 57' AGL/78' MSL.
Trees beginning 403' from DER, 503' right of centerline, up to 66' AGL/110' MSL.
Trees beginning 1038' from DER, left and right of centerline, up to 65' AGL/109' MSL.
Trees beginning 1257' from DER, left and right of centerline, up to 83' AGL/127' MSL.
Trees beginning 1676' from DER, 217' right of centerline, up to 99' AGL/143' MSL.
Trees beginning 4242' from DER, 1132' right of centerline, up to 124' AGL/168' MSL.
Rwy 29, trees beginning 1301' from DER, 789' left of centerline, up to 47' AGL/122' MSL.
Trees 2185' from DER, 830' left of centerline, up to 74' AGL/149' MSL.
Trees beginning 2742' from DER, 811' right of centerline, up to 83' AGL/180' MSL.
Trees beginning 3103' from DER, 1245' left of centerline, up to 114' AGL/189' MSL.
Trees beginning 4218' from DER, 1382' left of centerline, up to 129' AGL/204' MSL.
Rwy 36, building 11' from DER, 149' left of centerline, 2' AGL/46' MSL.
Fence 23' from DER, 495' left of centerline, 21' AGL/68' MSL.
Vehicles on road, beginning 196' from DER, 251' left of centerline, up to 17' AGL/56' MSL.
Trees beginning 364' from DER, 87' left of centerline, up to 60' AGL/73' MSL.
Trees beginning 21' from DER, 252' left of centerline, up to 56' AGL/101' MSL.
Trees beginning 238' from DER, 515' left of centerline, up to 68' AGL/112' MSL.
Trees beginning 1281' from DER, 832' right of centerline, up to 85' AGL/129' MSL.
Trees beginning 1699' from DER, 450' right of centerline, up to 76' AGL/121' MSL.
Trees beginning 2298 from DER, 848' left of centerline, up to 81' AGL/125' MSL.
Tree 3545' from DER, 1437' left of centerline, 93' AGL/138' MSL.

PORTSMOUTH, NH

PORTSMOUTH INTL AT PEASE (PSM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 05APR12 (12096) (FAA)

DEPARTURE PROCEDURE:

Rwy 16, climb heading 165° to 600 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 34, building 519' from DER, 439' right of centerline, 16' AGL/115' MSL.
Trees beginning 2752' from DER, 1090' right of centerline,90' AGL/170' MSL.

PRESQUE ISLE, ME

PRESQUE ISLE INTL (PQI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 7 02DEC21 (21336) (FAA)

TAKEOFF MINIMUMS:

Rwy 1, 300-1½ w/min. climb of 230' per NM to 1200, or std. w/min. climb of 465' per NM to 800, or 1100-3 for VCOA.

Rwy 10, 300-1⅛ or std. w/ min. climb of 280' per NM to 900.

Rwy 19, std. w/min. climb of 275' per NM to 1600, or 1100-3 for VCOA.

Rwy 28, 300-1½ w/min. climb of 225' per NM to 1600, or std. w/min. climb of 260' per NM to 1000, or 1100-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 10, climb heading 093° to 1600 before proceeding on course.

VCOA:

Rwys 1, 19, 28, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Presque Isle Intl at or above 1500 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 1, terrain beginning 8' from DER, 372' left of centerline, up to 541' MSL, terrain 164' from DER, 470' left of centerline, 545' MSL.
Sign 174' from DER, 289' right of centerline, 3' AGL/540' MSL.
Terrain, lighting beginning 180' from DER, 149' left of centerline, up to 546' MSL.
Lighting 201' from DER, 150' right of centerline, 3' AGL/541' MSL.
Sign 220' from DER, 320' right of centerline, 3' AGL/542' MSL.
Terrain beginning 296' from DER, 559' right of centerline, up to 553' MSL.
Terrain beginning 580' from DER, 97' left of centerline, up to 565' MSL.
Terrain 891' from DER, 48' right of centerline, 557' MSL.
Fence 896' from DER, 601' right of centerline, 5' AGL/559' MSL.
Building 934' from DER, 258' right of centerline, 12' AGL/567' MSL.

CON'T

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PRESQUE ISLE, ME (CON'T)

PRESQUE ISLE INTL (PQI) (CON'T)

Rwy 1 (CON'T), vehicles on road, tree, NAVAID, fence, terrain beginning 945' from DER, 0' of centerline, up to 574' MSL.
Terrain beginning 1003' from DER, 523' left of centerline, up to 570' MSL.
Tree, terrain, fence, vehicles on road beginning 1082' from DER, 13' left of centerline, up to 59' AGL/613' MSL.
Tree 1344' from DER, 199' right of centerline, 8' AGL/575' MSL.
Vehicles on road, fence, terrain, tree beginning 1346' from DER, 32' right of centerline, up to 620' MSL.
Tree 2365' from DER, 470' left of centerline, 68' AGL/620' MSL.
Trees beginning 2397' from DER, 409' right of centerline, up to 30' AGL/646' MSL.
Tree, terrain, vehicles on road beginning 2490' from DER, 331' right of centerline, up to 36' AGL/659' MSL.
Pole, terrain beginning 2584' from DER, 139' right of centerline, up to 38' AGL/662' MSL.
Tree 2617' from DER, 181' left of centerline, 39' AGL/622' MSL.
Tree, terrain, building beginning 2635' from DER, 236' right of centerline, up to 47' AGL/672' MSL.
Tree, vehicles on road, poles, terrain beginning 2685' from DER, 272' right of centerline, up to 49' AGL/699' MSL.
Trees beginning 3390' from DER, 240' left of centerline, up to 67' AGL/644' MSL.
Vehicles on road, terrain, pole beginning 3550' from DER, 175' right of centerline, up to 718' MSL.
Tree, terrain, electrical system, building, pole beginning 4350' from DER, 325' right of centerline, up to 45' AGL/722' MSL.
Trees beginning 5771' from DER, 1618' left of centerline, up to 75' AGL/707' MSL.
Trees beginning 1. 1 NM from DER, 1458' right of centerline, up to 59' AGL/755' MSL.
Rwy 10, lighting 9' from DER, 29' left of centerline, 1' AGL/474' MSL.
Fence, electrical system beginning 22' from DER, 440' left of centerline, up to 8' AGL/486' MSL.
Tree, vehicles on road beginning 36' from DER, 424' right of centerline, up to 38' AGL/508' MSL.
Pole 448' from DER, 611' right of centerline, 43' AGL/519' MSL.
Tree, vehicles on road, electrical system beginning 520' from DER, 428' right of centerline, up to 58' AGL/535' MSL.
Tree, vehicles on road, pole, electrical system beginning 650' from DER, 234' right of centerline, up to 77' AGL/553' MSL.
Vehicles on road 900' from DER, 678' left of centerline, 496' MSL.
Tree 1314' from DER, 850' left of centerline, 49' AGL/521' MSL.
Tree 2377' from DER, 131' left of centerline, 69' AGL/534' MSL.
Tree 2517' from DER, 136' left of centerline, 74' AGL/543' MSL.
Tree 2579' from DER, 93' left of centerline, 75' AGL/544' MSL.
Tree 2614' from DER, 130' left of centerline, 80' AGL/550' MSL.
Trees beginning 1.1 NM from DER, 1918' right of centerline, up to 58' AGL/664' MSL.
Tree, pole beginning 1.2 NM from DER, 1629' right of centerline, up to 66' AGL/673' MSL.
Tree 1.2 NM from DER, 2282' right of centerline, 36' AGL/675' MSL.
Tree 1.2 NM from DER, 2398' right of centerline, 38' AGL/679' MSL.
Trees beginning 1.2 nm from DER, 1688' right of centerline, up to 61' AGL/693' MSL.
Tree, building beginning 1.2 NM from DER, 1372' right of centerline, up to 64' AGL/709' MSL.
Trees beginning 1.2 NM from DER, 1312' right of centerline, up to 60' AGL/711' MSL.
Trees beginning 1.3 NM from DER, 1158' right of centerline, up to 58' AGL/714' MSL.
Tree, electrical system beginning 1.3 nm from DER, 1478' right of centerline, up to 70' AGL/721' MSL.
Trees beginning 1.3 NM from DER, 1147' right of centerline, up to 53' AGL/722' MSL.
Tree 1.3 NM from DER, 1622' right of centerline, 70' AGL/729' MSL.
Trees beginning 1.3 NM from DER, 1196' right of centerline, up to 72' AGL/761' MSL.
Tree, terrain, building, fence beginning 1.3 NM from DER, 952' right of centerline, up to 65' AGL/763' MSL.
Tree, terrain beginning 1.4 NM from DER, 1005' right of centerline, up to 69' AGL/767' MSL.
Rwy 19, trees beginning 619' from DER, 590' right of centerline, up to 50' AGL/490' MSL.
Tree 1362' from DER, 797' left of centerline, 58' AGL/509' MSL.
Trees beginning 1542' from DER, 779' left of centerline, up to 64' AGL/515' MSL.
Tree 1610' from DER, 902' right of centerline, 69' AGL/502' MSL.
Trees beginning 1871' from DER, 921' right of centerline, up to 79' AGL/513' MSL.
Tree 2060' from DER, 1028' right of centerline, 89' AGL/524' MSL.
Tree 2831' from DER, 1161' right of centerline, 92' AGL/526' MSL.
Rwy 28, lighting 9' from DER, 30' right of centerline, 2' AGL/474' MSL.
Trees beginning 51' from DER, 264' right of centerline, up to 18' AGL/487' MSL.
Tree, vegetation beginning 134' from DER, 255' right of centerline, up to 53' AGL/510' MSL.
Tree 160' from DER, 464' left of centerline, 55' AGL/508' MSL.
Tree 162' from DER, 508' left of centerline, 60' AGL/512' MSL.
Trees beginning 174' from DER, 410' left of centerline, up to 60' AGL/513' MSL.
Trees beginning 301' from DER, 445' left of centerline, up to 68' AGL/524' MSL.
Trees beginning 574' from DER, 434' left of centerline, up to 60' AGL/533' MSL.
Trees beginning 585' from DER, 225' right of centerline, up to 55' AGL/541' MSL.
Trees beginning 676' from DER, 9' left of centerline, up to 62' AGL/540' MSL.
Trees beginning 1175' from DER, 2' right of centerline, up to 70' AGL/610' MSL.
Tree 5109' from DER, 1814' right of centerline, 81' AGL/629' MSL.
Tree 5184' from DER, 1739' right of centerline, 83' AGL/637' MSL.
Trees beginning 5258' from DER, 1131' right of centerline, up to 76' AGL/638' MSL.
Trees beginning 5989' from DER, 1896' right of centerline, up to 47' AGL/639' MSL.
Tree 1 NM from DER, 1933' right of centerline, 50' AGL/645' MSL.
Trees beginning 1 NM from DER, 1694' right of centerline, up to 83' AGL/679' MSL.

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PRINCETON, ME

PRINCETON MUNI (PNN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 29MAY14 (14149) (FAA)

TAKEOFF MINIMUMS:

Rwys 6, 24, NA-Runway closed.

TAKEOFF OBSTACLE NOTES:

Rwy 15, bushes beginning 42' from DER, left and right of centerline, up to 18' AGL/247' MSL.
Trees beginning 104' from DER, 227' left of centerline, up to 69' AGL/288' MSL.
Trees beginning 154' from DER, 287' right of centerline, up to 79' AGL/298' MSL.
Trees beginning 900' from DER, left and right of centerline, up to 100' AGL/298' MSL.
Rwy 33, bushes beginning 33' from DER, 194' left of centerline, up to 16' AGL/275' MSL.
Poles beginning 70' from DER, 495' left of centerline, up to 29' AGL/298' MSL.
Trees beginning 248' from DER, left and right of centerline, up to 100' AGL/344' MSL.

PROVIDENCE, RI

RHODE ISLAND TF GREEN INTL (PVD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 13 07DEC17 (21280) (FAA)

TAKEOFF MINIMUMS:

Rwy 34, 300-2 w/min. climb of 220' per NM to 1100 or std. w/ min. climb of 250' per NM to 500 or 1000-2½ for VCOA.

DEPARTURE PROCEDURE:

Rwy 23, climb on heading 227° to 700 before turning right.

VCOA:

Rwy 34, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Rhode Island TF Green Intl at or above 900 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 5, terrain 22' from DER, 437' left of centerline, 45' MSL.
Lighting 675' from DER, 598' left of centerline, 68' MSL.
Tree 794' from DER, 614' left of centerline, 74' MSL.
Tree 880' from DER, 722' right of centerline, 78' MSL.
Trees beginning 1215' from DER, 497' left of centerline, up to 107' MSL.
Tree 1303' from DER, 849' right of centerline, 88' MSL.
Trees beginning 1464' from DER, 733' right of centerline, up to 105' MSL.
Trees beginning 2080' from DER, 454' left of centerline, up to 115' MSL.
Trees beginning 2205' from DER, 783' right of centerline, up to 120' MSL.
Rwy 16, terrain 32' from DER, 221' right of centerline, 34' MSL.
Tree, building, terrain beginning 82' from DER, 136' right of centerline, up to 71' MSL.
Tree 406' from DER, 579' left of centerline, 49' MSL.
Trees beginning 1172' from DER, 792' left of centerline, up to 72' MSL.
Trees beginning 1468' from DER, 407' left of centerline, up to 87' MSL.
Tree 1570' from DER, 827' right of centerline, 85' MSL.
Tree, pole beginning 1585' from DER, 490' left of centerline, up to 110' MSL.
Tree 1659' from DER, 911' right of centerline, 92' MSL.
Tree 2014' from DER, 907' left of centerline, 113' MSL.
Trees beginning 2015' from DER, 759' left of centerline, up to 119' MSL.
Pole, tree beginning 2534' from DER, 22' right of centerline, up to 118' MSL.
Trees beginning 2563' from DER, 9' left of centerline, up to 90' AGL/123' MSL.
Tree, pole beginning 2932' from DER, 28' right of centerline, up to 82' AGL/119' MSL.
Tank, tree, pole beginning 2957' from DER, 2' right of centerline, up to 121' MSL.
Tree, pole beginning 3146' from DER, 9' right of centerline, up to 87' AGL/123' MSL.
Tower 3891' from DER, 1346' right of centerline, 94' AGL/131' MSL.
Rwy 23, traverse way 206' from DER, 554' left of centerline, 61' MSL.
Pole 331' from DER, 588' left of centerline, 86' MSL.
Terrain 530' from DER, 613' right of centerline, 67' MSL.
Tree, pole beginning 661' from DER, 485' right of centerline, up to 85' MSL.
Tree 1004' from DER, 585' right of centerline, 101' MSL.
Tree 1007' from DER, 723' left of centerline, 116' MSL.
Trees beginning 1099' from DER, 494' right of centerline, up to 114' MSL.
Trees beginning 1181' from DER, 720' left of centerline, up to 117' MSL.
Trees beginning 1512' from DER, 591' left of centerline, up to 124' MSL.
Tree 1583' from DER, 908' right of centerline, 119' MSL.
Trees beginning 1697' from DER, 497' right of centerline, up to 123' MSL.
Trees beginning 1917' from DER, 494' left of centerline, up to 125' MSL.
Trees beginning 2066' from DER, 531' right of centerline, up to 87' AGL/137' MSL.
Rwy 34, fence beginning 71' from DER, 313' left of centerline, up to 59' MSL.
Building, sign, fence beginning 105' from DER, 288' right of centerline, up to 23' AGL/76' MSL.
Fence 210' from DER, 209' left of centerline, 8' AGL/61' MSL.
Tree, traverse way, pole beginning 296' from DER, 9' right of centerline, up to 110' MSL.
Pole beginning 309' from DER, 22' left of centerline, up to 73' MSL.
NAVAID 400' from DER, 189' left of centerline, 20' AGL/74' MSL.
Tank, tree, pole, traverse way, building beginning 414' from DER, 8' right of centerline, up to 120' MSL.
Building, pole beginning 437' from DER, 94' left of centerline, up to 77' MSL.
Building 519' from DER, 495' left of centerline, 84' MSL.

CON'T

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PROVIDENCE, RI (CON'T)

RHODE ISLAND TF GREEN INTL (PVD) (CON'T)

Rwy 34 (CON'T), building, traverse way beginning 546' from DER, 276' left of centerline, up to 27' AGL/85' MSL.
Pole, lighting, building beginning 588' from DER, 53' left of centerline, up to 88' MSL.
Tree, lighting, building, pole, electrical system beginning 643' from DER, 29' left of centerline, up to 39' AGL/94' MSL.
Pole, building beginning 828' from DER, 162' left of centerline, up to 100' MSL.
Pole, tree, building beginning 960' from DER, 146' left of centerline, up to 101' MSL.
Pole, tree beginning 1091' from DER, 45' left of centerline, up to 103' MSL.
Tree, pole beginning 1255' from DER, 188' left of centerline, up to 140' MSL.
Tree, pole beginning 1407' from DER, 27' left of centerline, up to 145' MSL.
Tree 1492' from DER, 793' right of centerline, 121' MSL.
Trees beginning 1568' from DER, 172' right of centerline, up to 127' MSL.
Trees beginning 2306' from DER, 421' right of centerline, up to 129' MSL.
Trees beginning 2407' from DER, 154' right of centerline, up to 131' MSL.
Tree 2524' from DER, 388' right of centerline, 132' MSL.
Trees beginning 2589' from DER, 435' right of centerline, up to 133' MSL.
Trees beginning 2953' from DER, 155' right of centerline, up to 138' MSL.
Tree 3262' from DER, 1065' right of centerline, 93' AGL/143' MSL.
Tower 1.4 NM from DER, 2915' right of centerline, 255' AGL/310' MSL.
Tower 1.5 NM from DER, 2927' right of centerline, 282' AGL/334' MSL.

PROVINCETOWN, MA

PROVINCETOWN MUNI (PVC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 02AUG07 (07214) (FAA)

TAKEOFF OBSTACLE NOTES:
Rwy 7, trees beginning 133' from DER, 118' right of centerline up to 33' AGL/37' MSL.
Trees beginning 165' from DER, 89' left of centerline up to 33' AGL/47' MSL.
Rwy 25, bush 376' from DER, 575' right of centerline, 12' AGL/21' MSL.

RANGELEY, ME

RANGELEY LAKE SEAPLANE BASE (M57)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 29MAY14 (14149) (FAA)

TAKEOFF MINIMUMS:
Rwy 6, std. w/min. climb of 442' per NM to 4700 or 2600- 2½ for climb in visual conditions.
Rwy 24, std. w/min. climb of 300' per NM to 3900 or 2600-2½ for climb in visual conditions.

DEPARTURE PROCEDURE:
Rwy 6, climb heading 075° to 4700 before proceeding on course. For climb in visual conditions, cross Rangeley Lake airport at or above 4000 before proceeding on course, do not exceed 210 KIAS until leaving 4000. When executing VCOA, notify ATC prior to departure.
Rwy 24, climb heading 255° to 3900 before proceeding on course. For climb in visual conditions, cross Rangeley Lake airport at or above 4000 before proceeding on course, do not exceed 210 KIAS until leaving 4000. When executing VCOA, notify ATC prior to departure.

TAKEOFF OBSTACLE NOTES:
Rwy 6, trees and buildings beginning 1374' from DER, 446' right of centerline, up to 80' AGL/1620' MSL.
Vehicles on roadway beginning 3200' from DER, 957' right of centerline, up to 15' AGL/1614' MSL.
Boats on the water, up to 1553' MSL.
Rwy 24, boats on the water, up to 1553' MSL.

STEPHEN A BEAN MUNI (8B0)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 24MAR22 (22083) (FAA)

TAKEOFF MINIMUMS:
Rwy 14, std. w/min. climb of 335' per NM to 3900 or 2300 and 3 for VCOA.
Rwy 32, std. w/min. climb of 380' per NM to 3900 or 2300 and 3 for VCOA.

DEPARTURE PROCEDURE:
Rwy 14, climbing right turn direct RQM NDB to cross at or above 3900' before proceeding on course.
Rwy 32, climbing left turn direct RQM NDB to cross at or above 3900' before proceeding on course.

VCOA:
All runways, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Steven A Bean Muni at or above 4000 before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 14, trees beginning 11' from DER, 200' right of centerline, up to 67' AGL/1853' MSL.
Tree 129' from DER, 465' left of centerline, 58' AGL/1839' MSL.
Tree 302' from DER, 480' left of centerline, 70' AGL/1843' MSL.
Trees beginning 415' from DER, 82' left of centerline, up to 93' AGL/1859' MSL.

ROCHESTER, NH

SKYHAVEN (DAW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6A 05JAN17 (17005) (FAA)

DEPARTURE PROCEDURE:

Rwy 33, climb heading 327° to 800, then climbing left turn heading 250° to intercept CON VOR/DME R-095 to 3000 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 15, trees beginning 450' from DER, 295' left of centerline, up to 110' AGL/400' MSL.
Trees and poles beginning 111' from DER, 389' right of centerline, up to 57' AGL/367' MSL.
Rwy 33, trees beginning 200' from DER, 154' right of centerline, up to 120' AGL/443' MSL.
Trees beginning 106' from DER, 160' left of centerline, up to 103' AGL/406' MSL.

ROCKLAND, ME

KNOX COUNTY RGNL (RKD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 03NOV22 (22307) (FAA)

TAKEOFF MINIMUMS:

Rwy 3, std. w/min. climb of 285' per NM to 1300 or 1200-3 for VCOA.
Rwy 31, std. w/min. climb of 290' per NM to 1100 or 1200-3 for VCOA.

VCOA:

Rwys 3, 31, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Knox County Rgnl airport at or above 1100 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 3, trees beginning 32' from DER, 69' right of centerline, up to 100' AGL/160' MSL.
Tree 107' from DER, 433'left of centerline, 53' AGL/112' MSL.
Trees beginning 226' from DER, 143' left of centerline, up to 100' AGL/160' MSL.
Trees beginning 623' from DER, on centerline, up to 100' AGL/163' MSL.
Trees beginning 674' from DER, 212' right of centerline, up to 100' AGL/163' MSL.
Trees, NAVAID beginning 817' from DER, 71' left of centerline, up to 100' AGL/169' MSL.
Trees beginning 969' from DER, 141' right of centerline, up to 100' AGL/166' MSL.
Trees beginning 1061' from DER, 142' left of centerline, up to 100' AGL/183' MSL.
Trees beginning 1265' from DER, on centerline, up to 100' AGL/169' MSL.
Trees beginning 1357' from DER, 212' left of centerline, up to 100' AGL/192' MSL.
Trees beginning 1652' from DER, 66' left of centerline, up to 100' AGL/199' MSL.
Trees beginning 2498' from DER, 1' right of centerline, up to 100' AGL/179' MSL.
Trees beginning 2844' from DER, 144' right of centerline, up to 100' AGL/186' MSL.
Trees beginning 3139' from DER, 3' right of centerline, up to 100' AGL/196' MSL.
Tower, trees beginning 3724' from DER, 4' right of centerline, up to 148' AGL/206' MSL.
Rwy 13, pole 483' from DER, 546' left of centerline, 34' AGL/86' MSL.
Tree 494' from DER, 614' left of centerline, 45' AGL/96' MSL.
Trees, pole beginning 590' from DER, 507' left of centerline, up to 47' AGL/100' MSL.
Tree 999' from DER, 188' right of centerline, 23' AGL/86' MSL.
Tree, poles, building beginning 1031' from DER, 115' right of centerline, up to 31' AGL/108' MSL.
Trees beginning 1376' from DER, 399' right of centerline, up to 66' AGL/139' MSL.
Trees beginning 1832' from DER, 44' right of centerline, up to 66' AGL/152' MSL.
Tree 2387' from DER, 304' left of centerline, 88' AGL/126' MSL.
Tree 3234' from DER, 884' right of centerline, 82' AGL/155' MSL.
Rwy 21, trees beginning 634' from DER, 221' right of centerline, up to 73' AGL/105' MSL.
Tree 639' from DER, 468' left of centerline, 61' AGL/99' MSL.
Trees beginning 744' from DER, 339' left of centerline, up to 65' AGL/104' MSL.
Rwy 31, tower 612' from DER, 465' right of centerline, 14' AGL/68' MSL.
Pole 1241' from DER, 365' right of centerline, 14' AGL/83' MSL.
Trees beginning 1624' from DER, 504' right of centerline, up to 84' AGL/136' MSL.
Tree 3541' from DER, 922' left of centerline, 60' AGL/170' MSL.
Tree 3900' from DER, 1370' left of centerline, 63' AGL/184' MSL.
Tree 4069' from DER, 346' right of centerline, 44' AGL/166' MSL.

RUTLAND, VT

RUTLAND/SOUTHERN VERMONT RGNL (RUT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4A 07FEB13 (22307) (FAA)

TAKEOFF MINIMUMS:

Rwy 1, std. w/min. climb of 439' per NM to 3000, or 3600-3 for climb in visual conditions.

Rwy 13, NA-Obstacles.

Rwy 19, std. w/min. climb of 470' per NM to 3300, or 3600-3 for climb in visual conditions.

Rwy 31, std. w/min. climb of 500' per NM to 4500, or 3600-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 1, climb on 013°course to DYO NDB, cross DYO NDB at or above 6000, if not at 6000, depart DYO NDB on bearing 325° to 6000 before proceeding on course. For climb in visual condition: cross Rutland/Southern Vermont Rgnl airport at or above 4300 before proceeding on course. When executing VCOA, notify ATC prior to departure.

Rwy 19, climb heading 194° to 1400, then climbing right turn on 025° course to DYO NDB, cross DYO NDB at or above 6000, if not at 6000, depart DYO NDB on bearing 325° to 6000 before proceeding on course. For climb in visual condition: cross Rutland/Southern Vermont Rgnl airport at or above 4300 before proceeding on course. When executing VCOA, notify ATC prior to departure.

Rwy 31, climb heading 329° to 1600, then climbing right turn on 025° course to DYO NDB, cross DYO NDB at or above 6000, if not at 6000, depart DYO NDB on bearing 325° to 6000 before proceeding on course. For climb in visual condition: cross Rutland/Southern Vermont Rgnl airport at or above 4300 before proceeding on course. When executing VCOA, notify ATC prior to departure.

TAKEOFF OBSTACLE NOTES:

Rwy 1, tree 79' from DER, 424' right of centerline, 80' AGL/805' MSL.

Rwy 19, trees beginning 167' from DER, 305' right of centerline, up to 42' AGL/843' MSL.
Trees beginning 393' from DER, 175' left of centerline, up to 100' AGL/967' MSL.

Rwy 31, trees beginning 334' from DER, 94' left of centerline, up to 100' AGL/1319' MSL.
Trees beginning 885' from DER, 201' right of centerline, up to 85' AGL/827' MSL.

SANFORD, ME

SANFORD SEACOAST RGNL (SFM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3B 11AUG22 (22223) (FAA)

TAKEOFF MINIMUMS:

Rwy 32, 300-1¼ or std. w/min. climb of 385' per NM to 500.

DEPARTURE PROCEDURE:

Rwy 25, climb on heading 255° to 1100 before turning right.

Rwy 32, climb on heading 331° to 1600 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 7, vehicles on road, antenna, light support structure, transmission tower, and trees beginning 62' from DER, 4' left of centerline, up to 69' AGL/309' MSL.
Trees beginning 220' from DER, 19' right of centerline, up to 72' AGL/311' MSL.

Rwy 14, trees beginning 149' from DER, 320' left of centerline, up to 55' AGL/294' MSL.
Bushes and trees beginning 93' from DER, 260' right of centerline, up to 81' AGL/320' MSL.

Rwy 25, trees beginning 118' from DER, 511' left of centerline, up to 60' AGL/379' MSL.
Trees beginning 245' from DER, 476' right of centerline, up to 62' AGL/321' MSL.

Rwy 32, trees beginning 763' from DER, 58' left of centerline, up to 77' AGL/396' MSL.
Pole and trees beginning 332' from DER, 59' right of centerline, up to 92' AGL/381' MSL.
Trees 3269' from DER, 1226' left of centerline, up to 72' AGL/401' MSL.
Trees 4667' from DER, 1225' left of centerline, up to 82' AGL/431' MSL.
Trees 5473' from DER, 1013' left of centerline, up to 67' AGL/416' MSL.

SOUTHBRIDGE, MA

SOUTHBRIDGE MUNI (3B0)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 11MAR10 (10070) (FAA)

TAKEOFF MINIMUMS:

Rwy 2, 300-1½ or std. with a min. climb of 370' per NM to 1000.

DEPARTURE PROCEDURE:

Rwy 2, climb heading 022° to 1800 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 2, trees beginning 597' from DER, 58' left of centerline, up to 100' AGL/913' MSL.
Tree 812' from DER, 197' right of centerline, 100' AGL/791' MSL.

Rwy 20, trees beginning 70' from DER, 309' right of centerline, up to 78' AGL/740' MSL.
Tree 1044' from DER, 395' left of centerline, 43' AGL/732' MSL.

SPRINGFIELD, VT

HARTNESS STATE (SPRINGFIELD) (VSF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3A 10SEP20 (20254) (FAA)

TAKEOFF MINIMUMS:

Rwys 5, 11, 23, 29, 3000-3 for VCOA

VCOA:

All Rwys, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Hartness State (Springfield) airport at or above 3400 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 5, tree, transmission line, pole beginning 3' from DER, 295' left of centerline, up to 688' MSL.
Tree 47' from DER, 218' right of centerline, 571' MSL.
Trees beginning 95' from DER, 178' right of centerline, up to 598' MSL.
Trees, transmission line, pole beginning 189' from DER, 2' left of centerline, up to 704' MSL.
Trees, poles, transmission line beginning 558' from DER, 94' left of centerline, up to 713' MSL.
Trees beginning 1013' from DER, 25' left of centerline, up to 721' MSL.
Tree 1294' from DER, 112' right of centerline, 616' MSL.
Trees beginning 1297' from DER, 24' right of centerline, up to 633' MSL.
Tree 3402' from DER, 22' right of centerline, 650' MSL.
Tree 3699' from DER, 77' right of centerline, 660' MSL.
Tree 5131' from DER, 1824' right of centerline, 773' MSL.
Trees beginning 5509' from DER, 1579' right of centerline, up to 799' MSL.
Trees beginning 5989' from DER, 1426' right of centerline, up to 829' MSL.
Tree 1 NM from DER, 1709' right of centerline, 945' MSL.
Trees beginning 1 NM from DER, 1346' right of centerline, up to 1054' MSL.
Tower, antenna, trees beginning 1.1 NM from DER, 302' right of centerline, up to 76' AGL/1161' MSL.
Trees beginning 1.6 NM from DER, 685' right of centerline, up to 1166' MSL.
Trees beginning 1.6 NM from DER, 279' right of centerline, up to 1233' MSL.
Trees, buildings, pole beginning 1.7 NM from DER, 103' right of centerline, up to 1237' MSL.
Tree 2 NM from DER, 390' left of centerline, 881' MSL.
Tree 2.1 NM from DER, 809' left of centerline, 887' MSL.
Tree 2.1 NM from DER, 304' left of centerline, 899' MSL.
Trees beginning 2.1 NM from DER, 478' left of centerline, up to 953' MSL.
Trees beginning 2.2 NM from DER, 43' left of centerline, up to 1025' MSL.
Tree 2.2 NM from DER, 401' left of centerline, 1057' MSL.
Trees beginning 2.2 NM from DER, 1574' right of centerline, up to 1271' MSL.
Trees beginning 2.2 NM from DER, 37' left of centerline, up to 1093' MSL.
Trees beginning 2.3 NM from DER, 307' right of centerline, up to 1280' MSL.
Tree 2.3 NM from DER, 557' left of centerline, 1122' MSL.
Trees beginning 2.3 NM from DER, 841' right of centerline, up to 1294' MSL.
Trees beginning 2.3 NM from DER, 63' left of centerline, up to 1126' MSL.
Building, poles, transmission line, trees beginning 2.3 NM from DER, 104' right of centerline, up to 102' AGL/1314' MSL.
Trees beginning 2.3 NM from DER, 390' left of centerline, up to 1189' MSL.
Trees beginning 2.4 NM from DER, 1091' left of centerline, up to 1208' MSL.
Trees beginning 2.4 NM from DER, 647' left of centerline, up to 1217' MSL.
Trees beginning 2.5 NM from DER, 29' left of centerline, up to 1266' MSL.
Building, trees beginning 2.5 NM from DER, 589' right of centerline, up to 26' AGL/1173' MSL.
Rwy 11, trees beginning 35' from DER, 302' right of centerline, up to 648' MSL.
Trees beginning 56' from DER, 225' left of centerline, up to 584' MSL.
Tree 2988' from DER, 831' left of centerline, 693' MSL.
Tree 3096' from DER, 386' left of centerline, 716' MSL.
Tree 3318' from DER, 953' right of centerline, 754' MSL.
Tree 3361' from DER, 1185' left of centerline, 721' MSL.
Tree 3419' from DER, 671' left of centerline, 792' MSL.
Tree 3495' from DER, 57' right of centerline, 770' MSL.
Tree 3580' from DER, 511' right of centerline, 787' MSL.
Trees beginning 3672' from DER, 321' left of centerline, up to 845' MSL.
Tree 3698' from DER, 1067' right of centerline, 830' MSL.
Tree 3975' from DER, 650' right of centerline, 846' MSL.
Tree 4022' from DER, 121' right of centerline, 852' MSL.
Trees beginning 4153' from DER, 331' left of centerline, up to 870' MSL.
Trees, transmission line, pole beginning 4154' from DER, 373' right of centerline, up to 903' MSL.
Trees, tower, poles, transmission line beginning 4465' from DER, 81' right of centerline, up to 938' MSL.
Trees beginning 4544' from DER, 149' left of centerline, up to 873' MSL.
Trees beginning 5381' from DER, 131' left of centerline, up to 901' MSL.
Trees, transmission line, poles beginning 5678' from DER, 198' left of centerline, up to 907' MSL.
Tree 1.1 NM from DER, 1851' left of centerline, 947' MSL.
Tree 1.1 NM from DER, 2298' left of centerline, 955' MSL.
Tree 1.1 NM from DER, 1111' left of centerline, 976' MSL.
Trees beginning 1.2 NM from DER, 366' left of centerline, up to 1027' MSL.
Trees beginning 1.2 NM from DER, 266' right of centerline, up to 947' MSL.
Trees beginning 1.2 NM from DER, 784' left of centerline, up to 1029' MSL.
Tree 1.2 NM from DER, 1813' right of centerline, 973' MSL.
Tree 1.2 NM from DER, 1378' right of centerline, 984' MSL.
Trees beginning 1.2 NM from DER, 153' left of centerline, up to 1054' MSL.

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SPRINGFIELD, VT (CON'T)

HARTNESS STATE (SPRINGFIELD) (VSF) (CON'T)

Rwy 11 (CON'T), trees beginning 1.2 NM from DER, 449' right of centerline, up to 1120' MSL.
Trees beginning 1.2 NM from DER, 571' left of centerline, up to 1075' MSL.
Trees beginning 1.3 NM from DER, 101' right of centerline, up to 1237' MSL.
Trees beginning 1.3 NM from DER, 319' left of centerline, up to 1097' MSL.
Trees beginning 1.3 NM from DER, 592' right of centerline, up to 1269' MSL.
Trees beginning 1.4 NM from DER, 766' left of centerline, up to 1101' MSL.
Tower, trees beginning 1.4 NM from DER, 11' right of centerline, up to 74' AGL/1408' MSL.
Trees beginning 1.4 NM from DER, 1219' left of centerline, up to 1106' MSL.
Trees beginning 1.4 NM from DER, 175' left of centerline, up to 1172' MSL.
Trees beginning 1.5 NM from DER, 19' left of centerline, up to 1192' MSL.
Trees beginning 1.8 NM from DER, 97' left of centerline, up to 1208' MSL.
Trees beginning 2.2 NM from DER, 245' left of centerline, up to 1210' MSL.
Tree 2.2 NM from DER, 3069' left of centerline, 1242' MSL.
Tree 2.2 NM from DER, 2553' left of centerline, 1261' MSL.
Trees beginning 2.2 NM from DER, 306' left of centerline, up to 1289' MSL.
Trees beginning 2.3 NM from DER, 208' left of centerline, up to 1326' MSL.
Tree 2.4 NM from DER, 3985' left of centerline, 1336' MSL.
Trees beginning 2.4 NM from DER, 876' left of centerline, up to 1368' MSL.
Trees beginning 2.4 NM from DER, 447' left of centerline, up to 1420' MSL.
Tree 2.4 NM from DER, 4186' left of centerline, 1437' MSL.
Trees beginning 2.5 NM from DER, 116' left of centerline, up to 1445' MSL.
Trees beginning 2.5 NM from DER, 610' left of centerline, up to 1479' MSL.
Trees beginning 2.5 NM from DER, 62' right of centerline, up to 1123' MSL.
Rwy 23, trees beginning 28' from DER, 315' left of centerline, up to 591' MSL.
Tree 96' from DER, 181' right of centerline, 596' MSL.
Tree 157' from DER, 426' right of centerline, 619' MSL.
Tree 285' from DER, 530' right of centerline, 631' MSL.
Trees, pole, transmission line beginning 492' from DER, 2' right of centerline, up to 640' MSL.
Tree 1019' from DER, 584' left of centerline, 606' MSL.
Trees beginning 1107' from DER, 187' left of centerline, up to 613' MSL.
Tree 1.2 NM from DER, 1610' left of centerline, 759' MSL.
Trees beginning 1.2 NM from DER, 1702' left of centerline, up to 776' MSL.
Tree 1.3 NM from DER, 2175' right of centerline, 772' MSL.
Trees beginning 1.3 NM from DER, 1810' right of centerline, up to 816' MSL.
Trees beginning 1.3 NM from DER, 1418' right of centerline, up to 823' MSL.
Tree 1.4 NM from DER, 1910' right of centerline, 842' MSL.
Transmission line, pole beginning 1.4 NM from DER, 2700' right of centerline, up to 28' agl/875' MSL.
Building 1.4 NM from DER, 2655' right of centerline, 35' agl/877' MSL.
Tree 1.4 NM from DER, 2301' right of centerline, 890' MSL.
Trees, building, transmission line, poles beginning 1.5 NM from DER, 1793' right of centerline, up to 929' MSL.
Tree 1.5 NM from DER, 376' left of centerline, 829' MSL.
Tree 1.6 NM from DER, 668' left of centerline, 845' MSL.
Tree 1.8 NM from DER, 2654' left of centerline, 862' MSL.
Tree 1.8 NM from DER, 3071' left of centerline, 887' MSL.
Trees beginning 1.8 NM from DER, 774' right of centerline, up to 976' MSL.
Trees beginning 1.8 NM from DER, 1457' left of centerline, up to 957' MSL.
Trees, buildings beginning 1.9 NM from DER, 381' right of centerline, up to 996' MSL.
Trees beginning 1.9 NM from DER, 2230' left of centerline, up to 972' MSL.
Trees beginning 2 NM from DER, 1561' left of centerline, up to 978' MSL.
Tree 2 NM from DER, 2823' left of centerline, 997' MSL.
Trees beginning 2 NM from DER, 1976' left of centerline, up to 1011' MSL.
Trees, building beginning 2.1 NM from DER, 95' left of centerline, up to 1012' MSL.
Trees beginning 2.2 NM from DER, 224' right of centerline, up to 1148' MSL.
Tree 2.3 NM from DER, 3227' right of centerline, 1201' MSL.
Trees beginning 2.3 NM from DER, 1895' right of centerline, up to 1239' MSL.
Trees beginning 2.3 NM from DER, 0' of centerline, up to 1273' MSL.
Trees, tower beginning 2.3 NM from DER, 3304' right of centerline, up to 1282' MSL.
Trees beginning 2.4 NM from DER, 33' right of centerline, up to 1290' MSL.
Trees beginning 2.5 NM from DER, 1932' left of centerline, up to 1013' MSL.
Tree 2.5 NM from DER, 312' left of centerline, 1022' MSL.
Trees beginning 2.5 NM from DER, 661' left of centerline, up to 1023' MSL.
Rwy 29, tree 48' from DER, 472' left of centerline, 623' MSL.
Trees beginning 227' from DER, 331' left of centerline, up to 625' MSL.
Trees beginning 372' from DER, 389' right of centerline, up to 649' MSL.
Trees beginning 428' from DER, 177' left of centerline, up to 648' MSL.
Tree 1534' from DER, 833' left of centerline, 678' MSL.
Trees beginning 1997' from DER, 315' left of centerline, up to 726' MSL.
Tree 2377' from DER, 760' left of centerline, 745' MSL.
Trees beginning 2610' from DER, 300' left of centerline, up to 758' MSL.
Tree, transmission line, pole beginning 2779' from DER, 662' left of centerline, up to 784' MSL.
Tree 2907' from DER, 1075' right of centerline, 737' MSL.
Tree 3004' from DER, 39' right of centerline, 743' MSL.
Tree 3133' from DER, 496' right of centerline, 746' MSL.
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SPRINGFIELD, VT (CON'T)

HARTNESS STATE (SPRINGFIELD) (VSF) (CON'T)

Rwy 29 (CON'T), tree, building, transmission line, pole beginning 3172' from DER, 387' left of centerline, up to 786' MSL.
Tree 3225' from DER, 789' left of centerline, 798' MSL.
Tree 3331' from DER, 890' right of centerline, 757' MSL.
Trees, transmission line, poles, building beginning 3351' from DER, 148' left of centerline, up to 805' MSL.
Trees beginning 3371' from DER, 166' right of centerline, up to 769' MSL.
Trees beginning 3898' from DER, 148' right of centerline, up to 797' MSL.
Trees, poles, transmission line, buildings beginning 3941' from DER, 71' left of centerline, up to 806' MSL.
Transmission line, pole, tree beginning 4726' from DER, 0' left of centerline, up to 72' AGL/834' MSL.
Trees, transmission line, pole beginning 4728' from DER, 333' right of centerline, up to 804' MSL.
Trees beginning 4939' from DER, 73' left of centerline, up to 837' MSL.
Transmission line, pole beginning 5000' from DER, 123' right of centerline, up to 46' AGL/820' MSL.
Transmission line, pole beginning 5255' from DER, 270' right of centerline, up to 39' AGL/824' MSL.
Trees, pole, transmission line beginning 5271' from DER, 446' right of centerline, up to 828' MSL.
Tree 5864' from DER, 168' right of centerline, 830' MSL.
Trees, transmission line, pole beginning 5897' from DER, 55' right of centerline, up to 836' MSL.
Tree, transmission line, pole beginning 1 NM from DER, 1125' right of centerline, up to 880' MSL.
Trees beginning 1 NM from DER, 274' right of centerline, up to 881' MSL.
Trees beginning 1.1 NM from DER, 91' right of centerline, up to 889' MSL.
Trees, buildings beginning 1.1 NM from DER, 43' right of centerline, up to 919' MSL.
Trees, transmission line, poles beginning 1.2 NM from DER, 250' right of centerline, up to 963' MSL.
Trees, pole, transmission line beginning 1.3 NM from DER, 628' right of centerline, up to 971' MSL.
Trees beginning 1.3 NM from DER, 119' left of centerline, up to 841' MSL.
Trees beginning 1.3 NM from DER, 82' right of centerline, up to 1013' MSL.
Trees beginning 1.4 NM from DER, 148' left of centerline, up to 848' MSL.
Trees beginning 1.5 NM from DER, 347' left of centerline, up to 860' MSL.
Trees beginning 1.5 NM from DER, 1750' left of centerline, up to 863' MSL.
Trees beginning 1.6 NM from DER, 184' right of centerline, up to 1029' MSL.
Trees beginning 1.6 NM from DER, 241' left of centerline, up to 875' MSL.
Tree 1.6 NM from DER, 1188' left of centerline, 876' MSL.
Trees beginning 1.6 NM from DER, 19' left of centerline, up to 900' MSL.
Trees beginning 1.6 NM from DER, 101' right of centerline, up to 1047' MSL.
Trees beginning 1.7 NM from DER, 562' left of centerline, up to 932' MSL.
Trees beginning 1.7 NM from DER, 404' left of centerline, up to 991' MSL.
Trees beginning 1.8 NM from DER, 171' left of centerline, up to 1022' MSL.
Trees beginning 1.8 NM from DER, 525' left of centerline, up to 1069' MSL.
Trees beginning 1.9 NM from DER, 30' left of centerline, up to 1122' MSL.
Tree 1.9 NM from DER, 2455' right of centerline, 1050' MSL.
Trees beginning 1.9 NM from DER, 950' right of centerline, up to 1083' MSL.
Trees beginning 2 NM from DER, 486' right of centerline, up to 1100' MSL.
Tower 2 NM from DER, 1210' right of centerline, 64' AGL/1103' MSL.
Trees beginning 2 NM from DER, 1155' right of centerline, up to 1130' MSL.
Trees beginning 2 NM from DER, 2169' right of centerline, up to 1155' MSL.
Trees beginning 2 NM from DER, 295' right of centerline, up to 1196' MSL.
Trees beginning 2.1 NM from DER, 190' right of centerline, up to 1251' MSL.
Trees beginning 2.2 NM from DER, 681' right of centerline, up to 1252' MSL.
Trees beginning 2.3 NM from DER, 1442' left of centerline, up to 1148' MSL.

STOW, MA

MINUTE MAN AIR FLD (6B6)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 23SEP10 (21168) (FAA)

TAKEOFF MINIMUMS:
Rwy 3, 400-2¾ or std. w/min. climb of 420' per NM to 700.
Rwys 12, 30, NA-Environmental.
Rwy 21, 400-2¾ or std. w/min. climb of 600' per NM to 600.

DEPARTURE PROCEDURE:
Rwy 3, climb heading 032° to 800 before proceeding on course.
Rwy 21, climb heading 212° to 1600 before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 3, trees beginning 9' from DER, 244' right of centerline, up to 80' AGL/434' MSL.
Trees beginning 246' from DER, 168' left of centerline, up to 80' AGL/652' MSL.
Rwy 21, trees beginning 11' from DER, 188' right of centerline, up to 80' AGL/385' MSL.
Trees beginning 11' from DER, 198' left of centerline, up to 80' AGL/365' MSL.
Trees beginning 529' from DER, left and right of centerline, up to 80' AGL/574' MSL.
Tower 1.6 NM from DER, 2483' left of centerline, 118' AGL/511' MSL.

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TAUNTON, MA

TAUNTON MUNI - KING FLD (TAN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 14FEB08 (21224) (FAA)

TAKEOFF MINIMUMS:

Rwys 4, 22, NA-Turf runway.

Rwy 12, 200-1½ or std. w/min. climb of 362' per NM to 300.

Rwy 30, 200-1 or std. w/min climb of 291' per NM to 300.

TAKEOFF OBSTACLE NOTES:

Rwy 12, trees and terrain beginning 61' from DER, 128' right of centerline, up to 80' AGL/229' MSL.
Trees and terrain beginning 93' from DER, 204' left of centerline, up to 80' AGL/159' MSL.
Rwy 30, terrain beginning 147' from DER, 284' right of centerline, 43' MSL.
Trees and terrain beginning 1044' from DER, 320' left of centerline, up to 80' AGL/199' MSL.

VINEYARD HAVEN, MA

MARTHAS VINEYARD (MVY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 13JAN11 (11013) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 6, trees beginning 585' from DER, 492' left of centerline, up to 100' AGL/159' MSL.
Trees beginning 707' from DER, 543' right of centerline, up to 100' AGL/159' MSL.
Rwy 15, trees beginning 276' from DER, 156' left of centerline, up to 100' AGL/159' MSL.
Pole 411' from DER, 475' right of centerline, 45' AGL/97' MSL.
Trees beginning 430' from DER, 79' right of centerline, up to 100' AGL/159' MSL.
Rwy 24, trees beginning 594' from DER, 201' left of centerline, up to 100' AGL/149' MSL.
Trees beginning 606' from DER, 442' right of centerline, up to 100' AGL/159' MSL.
Building 791' from DER, 266' left of centerline, 25' AGL/75' MSL.
Rwy 33, trees beginning 36' from DER, 120' left of centerline, up to 100' AGL/179' MSL.
Trees beginning 67' from DER, 75' right of centerline, up to 100' AGL/169' MSL.

WATERVILLE, ME

WATERVILLE ROBERT LAFLEUR (WVL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 08NOV18 (18312) (FAA)

TAKEOFF MINIMUMS:

Rwy 32, std. w/min. climb of 375' to 700, or 1000-2½ for VCOA.

VCOA:

Rwy 32, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Waterville Robert Lafleur Airport at or above 1100 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 5, tree 615' from DER, 572' right of centerline, 66' AGL/358' MSL.
Tree 1201' from DER, 616' left of centerline, 57' AGL/366' MSL.
Rwy 14, tree 215' from DER, 292' right of centerline, 41' AGL/333' MSL.
Tree 238' from DER, 296' left of centerline, 42' AGL/333' MSL.
Tree 249' from DER, 509' left of centerline, 77' AGL/371' MSL.
Trees beginning 264' from DER, 257' right of centerline, up to 63' AGL/351' MSL.
Rwy 32, tree 590' from DER, 234' right of centerline, 67' AGL/334' MSL.
Tree 634' from DER, 134' left of centerline, 73' AGL/340' MSL.
Tree, building beginning 2121' from DER, 144' left of centerline, up to 82' AGL/419' MSL.
Building 3054' from DER, 585' left of centerline, 30' AGL/430' MSL.
Tank 3618' from DER, 656' right of centerline, 67' AGL/477' MSL.
Tree 5420' from DER, 1044' left of centerline, 90' AGL/549' MSL.

WESTERLY, RI

WESTERLY STATE (WST)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 02JUN11 (11153) (FAA)

TAKEOFF MINIMUMS:

Rwy 25, 300-1

TAKEOFF OBSTACLE NOTES:

Rwy 7, trees beginning 36' from DER 57' right of centerline, up to 70' AGL/120' MSL.
Tree 789' from DER, 332' left of centerline, 41' AGL/100' MSL.
Rwy 14, trees beginning 124' from DER, 31' right of centerline, up to 61' AGL/173' MSL.
Trees beginning 443' from DER, 73' left of centerline, up to 54' AGL/163' MSL.
Bush 327' from DER, 3' left of centerline, 19' AGL/98' MSL.
Rwy 25, trees beginning 171' from DER, 119' right of centerline, up to 62' AGL/121' MSL.
Tank 2957' from DER, 1038' left of centerline, 126' AGL/250' MSL.
Obstruction light on pole 50' from DER, 496' left of centerline, 13' AGL/ 92' MSL.
Trees beginning 439' from DER, 93' left of centerline, up to 61' AGL/184' MSL.
Rwy32, trees beginning 32' from DER, 46' right of centerline, up to 84' AGL/173' MSL.
Trees beginning 152' from DER, 41' left of centerline, up to 85' AGL/174' MSL.

WESTFIELD/SPRINGFIELD, MA

WESTFIELD-BARNES RGNL (BAF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 20JUN19 (19171) (FAA)

TAKEOFF MINIMUMS:

Rwy 2, 200-1½ or std. w/min. climb of 210' per NM to 600, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1200' prior to DER.

Rwy 15, 400-1⅞ or std. w/min. climb of 460' per NM to 800.

Rwy 33, std. w/min. climb of 340' per NM to 1800 or 1500-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 2, climb heading 024° to 1700 before proceeding on course.

Rwy 15, climb heading 154° to 1300 before proceeding on course.

Rwy 20, climb heading 204° to 1400 before proceeding on course.

Rwy 33, climb heading 334° to 1500 before proceeding on course.

VCOA:

Rwy 33, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Westfield-Barnes Rgnl airport at or above 1600 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 2, tree 3074' from DER, 658' left of centerline, 77' AGL/352' MSL.
Tree 3231' from DER, 747' right of centerline, 72' AGL/350' MSL.
Tree 3377' from DER, 867' left of centerline, 75' AGL/354' MSL.
Tree 4381' from DER, 144' left of centerline, 92' AGL/385' MSL.
Tree 1.2 NM from DER, 878' right of centerline, 99' AGL/465' MSL.
Rwy 15, tree 67' from DER, 449' left of centerline, 38' AGL/251' MSL.
Trees beginning 209' from DER, 74' left of centerline, up to 265' MSL.
Trees beginning 517' from DER, 40' right of centerline, up to 269' MSL.
Trees beginning 558' from DER, 532' left of centerline, up to 282' MSL.
Trees beginning 691' from DER, 420' left of centerline, up to 66' AGL/289' MSL.
Trees beginning 791' from DER, 534' left of centerline, up to 309' MSL.
Tree 936' from DER, 612' right of centerline, 280' MSL.
Tree 1034' from DER, 646' right of centerline, 295' MSL.
Trees beginning 1036' from DER, 384' right of centerline, up to 312' MSL.
Tree 1231' from DER, 719' left of centerline, 317' MSL.
Trees beginning 1285' from DER, 404' right of centerline, up to 313' MSL.
Trees beginning 1304' from DER, 438' left of centerline, up to 330' MSL.
Trees beginning 1399' from DER, 555' right of centerline, up to 321' MSL.
Trees beginning 1414' from DER, 90' left of centerline, up to 334' MSL.
Trees beginning 1458' from DER, 51' right of centerline, up to 85' AGL/324' MSL.
Trees beginning 1496' from DER, 9' left of centerline, up to 335' MSL.
Trees beginning 1685' from DER, 9' right of centerline, up to 326' MSL.
Trees beginning 1691' from DER, 103' left of centerline, up to 345' MSL.
Trees beginning 1915' from DER, 5' left of centerline, up to 354' MSL.
Trees beginning 2541' from DER, 85' right of centerline, up to 327' MSL.
Trees beginning 3032' from DER, 697' right of centerline, up to 329' MSL.
Trees beginning 3255' from DER, 1123' left of centerline, up to 368' MSL.
Tree 3261' from DER, 1270' right of centerline, 331' MSL.
Tree 3390' from DER, 1231' left of centerline, 370' MSL.
Trees beginning 3394' from DER, 1011' left of centerline, up to 389' MSL.
Tree 3526' from DER, 1298' left of centerline, 402' MSL.
Trees beginning 3538' from DER, 987' left of centerline, up to 408' MSL.
Trees beginning 3652' from DER, 892' left of centerline, up to 410' MSL.
Trees beginning 3715' from DER, 734' left of centerline, up to 413' MSL.
Trees beginning 3787' from DER, 888' left of centerline, up to 416' MSL.
Trees beginning 3932' from DER, 642' left of centerline, up to 418' MSL.
Trees beginning 4020' from DER, 610' left of centerline, up to 424' MSL.
Trees beginning 4081' from DER, 581' left of centerline, up to 428' MSL.
Trees beginning 4332' from DER, 684' left of centerline, up to 439' MSL.
Trees beginning 4518' from DER, 647' left of centerline, up to 449' MSL.
Trees beginning 4563' from DER, 529' left of centerline, up to 451' MSL.
Tank and trees beginning 4666' from DER, 375' left of centerline, up to 457' MSL.
Trees beginning 4784' from DER, 39' left of centerline, up to 465' MSL.
Trees beginning 5440' from DER, 39' right of centerline, up to 405' MSL.
Tree 5542' from DER, 117' right of centerline, 407' MSL.
Trees beginning 5561' from DER, 146' left of centerline, up to 466' MSL.
Trees beginning 5581' from DER, 9' right of centerline, up to 412' MSL.
Terrain and trees beginning 5700' from DER, 263' left of centerline, up to 471' MSL.
Trees beginning 5815' from DER, 151' left of centerline, up to 486' MSL.
Trees beginning 5837' from DER, 18' left of centerline, up to 513' MSL.
Trees beginning 5935' from DER, 71' left of centerline, up to 530' MSL.
Terrain and trees beginning 1 NM from DER, 74' left of centerline, up to 559' MSL.
Terrain and trees beginning 1 NM from DER, 12' left of centerline, up to 592' MSL.
Trees beginning 1.3 NM from DER, 48' right of centerline, up to 464' MSL.
Tree 1.3 NM from DER, 313' right of centerline, 476' MSL.
Trees beginning 1.3 NM from DER, 6' right of centerline, up to 484' MSL.
Trees beginning 1.3 NM from DER, 212' right of centerline, up to 490' MSL.

CON'T

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WESTFIELD/SPRINGFIELD, MA (CON'T)

WESTFIELD-BARNES RGNL (BAF) (CON'T)

Rwy 15 (CON'T), trees beginning 1.4 NM from DER, 102' right of centerline, up to 493' MSL.
Trees beginning 1.4 NM from DER, 107' right of centerline, up to 500' MSL.
Trees beginning 1.4 NM from DER, 392' right of centerline, up to 511' MSL.
Vehicles on road and trees beginning 1.4 NM from DER, 11' right of centerline, up to 512' MSL.
Vehicles on road and trees beginning 1.4 NM from DER, 292' right of centerline, up to 521' MSL.
Vehicles on road and trees beginning 1.4 NM from DER, 9' right of centerline, up to 524' MSL.
Trees beginning 1.5 NM from DER, 1005' right of centerline, up to 59' AGL/525' MSL.
Rwy 20, trees beginning 541' from DER, 482' right of centerline, up to 44' AGL/294' MSL.
Tree 1082' from DER, 734' left of centerline, 61' AGL/309' MSL.
Trees beginning 1157' from DER, 170' left of centerline, up to 65' AGL/314' MSL.
Trees beginning 1219' from DER, 385' right of centerline, up to 70' AGL/311' MSL.
Trees beginning 1325' from DER, 430' right of centerline, up to 73' AGL/314' MSL.
Trees beginning 1489' from DER, 106' right of centerline, up to 72' AGL/317' MSL.
Tree 1594' from DER, 256' right of centerline, 76' AGL/318' MSL.
Tree 1597' from DER, 486' right of centerline, 80' AGL/320' MSL.
Trees beginning 1622' from DER, 47' left of centerline, up to 75' AGL/321' MSL.
Trees beginning 1676' from DER, 38' right of centerline, up to 87' AGL/329' MSL.
Rwy 33, fence 82' from DER, 419' right of centerline, 5' AGL/268' MSL.
Tree 105' from DER, 207' left of centerline, 267' MSL.
Poles and buildings beginning 645' from DER, 440' right of centerline, up to 50' AGL/311' MSL.
Tree 863' from DER, 723' left of centerline, 329' MSL.
Tree 956' from DER, 377' left of centerline, 80' AGL/340' MSL.
Trees beginning 958' from DER, 429' left of centerline, up to 360' MSL.
Pole and trees beginning 1088' from DER, 434' left of centerline, up to 361' MSL.
Pole and trees beginning 1566' from DER, 33' left of centerline, up to 362' MSL.
Trees beginning 1652' from DER, 30' right of centerline, up to 355' MSL.
Trees beginning 1877' from DER, 93' right of centerline, up to 358' MSL.
Trees beginning 2091' from DER, 26' left of centerline, up to 367' MSL.
Trees beginning 2263' from DER, 70' left of centerline, up to 375' MSL.
Trees beginning 2400' from DER, 69' left of centerline, up to 379' MSL.
Trees beginning 2604' from DER, 25' right of centerline, up to 364' MSL.
Trees beginning 2721' from DER, 13' left of centerline, up to 383' MSL.
Trees beginning 2847' from DER, 107' left of centerline, up to 388' MSL.
Buildings and trees beginning 3011' from DER, 3' left of centerline, up to 392' MSL.
Tree 4175' from DER, 331' right of centerline, 370' MSL.
Tree 4407' from DER, 168' right of centerline, 375' MSL.
Tree 4503' from DER, 95' right of centerline, 383' MSL.
Trees beginning 1.3 NM from DER, 2512' right of centerline, up to 488' MSL.
Tree 1.4 NM from DER, 2625' right of centerline, 508' MSL.
Trees beginning 1.4 NM from DER, 2530' right of centerline, up to 84' AGL/513' MSL.
Towers beginning 1.5 NM from DER, 2439' left of centerline, up to 307' AGL/545' MSL.

WESTOVER ARB/METROPOLITAN (KCEF)

SPRINGFIELD/CHICOPEE, MA

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 19MAY22 (22139) (USAF)

TAKEOFF MINIMUMS:
Rwy 5, std. w/min. climb of 276' per NM to 1600.
Rwy 15, std. w/min. climb of 264' per NM to 1800.
Rwy 33, std. w/min. climb of 296' per NM to 1800.

TAKEOFF OBSTACLE NOTES:
Rwy 15, multiple trees beginning 1374' from DER, extending from 891' right to 1395' left of centerline, up to 125' AGL/ 357' MSL.
Pylon 6019' from DER, 2141' left of centerline, 127' AGL/409' MSL.
Rwy 23, taxiing aircraft 87' from DER, 466' right of centerline, 32' AGL/267' MSL.
Multiple trees beginning 1194' from DER, extending from 199' right to 729' left of centerline, up to 125' AGL/371' MSL.
Pylon 4564' from DER, 1555' left of centerline, 125' AGL/371' MSL.
Rwy 33, multiple trees beginning 2830' from DER, extending from 456' right to 1230' left of centerline, up to 125' AGL/ 330' MSL.

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WHITEFIELD, NH

MOUNT WASHINGTON RGNL (HIE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 07APR11 (11097) (FAA)

TAKEOFF MINIMUMS:

Rwy 10, std. w/ min. climb of 670' per NM to 5100 or 3100-3 for climb in visual conditions.

Rwy 28, std. w/ min. climb of 540' per NM to 2300, or 400-2½ with minimum climb of 340' per NM to 2800, or 3100-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 10, climbing left turn direct GMA NDB thence ...
or for climb in visual conditions, cross Mount Washington RGNL Airport at or above 4000' MSL, then on course 250° to GMA NDB, thence ...

Rwy 28, climb direct GMA NDB thence ... or for climb in visual conditions, cross Mount Washington RGNL Airport at or above 4000' MSL, then on course 250° to GMA NDB, thence ...
... climb in GMA NDB holding pattern (hold West, left turns, 104° bearing inbound) to cross GMA NDB at or above 5500' MSL before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 10, train beginning 7' from DER, 467' left of centerline, up to 23' AGL/1125' MSL.
Bush 52' from DER, 373' right of centerline, 10' AGL/1082' MSL.
Trees beginning 61' from DER, left and right of centerline, up to 100' AGL/1418' MSL.
Rising terrain beginning 153' from DER, left and right of centerline, up to 1185' MSL.
Poles beginning 686' from DER, 379' left of centerline, 45' AGL/1128' MSL.
Rwy 28, train beginning 7' from DER, 469' right of centerline, up to 23' AGL/1085' MSL.
Vehicles on road beginning 8' from DER, left and right of centerline, up to 15' AGL/1097' MSL.
Rising terrain beginning 213' from DER, 485' left of centerline, up to 1303' MSL.
Trees beginning 269' from DER, left and right of centerline, up to 100' AGL/1438' MSL.

WILLIMANTIC, CT

WINDHAM (IJD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 29MAY14 (14149) (FAA)

TAKEOFF MINIMUMS:

Rwy 9, std. w/ min. climb of 411' per NM to 900, or 1100-2½ for climb in visual conditions.

Rwy 18, 300-2 or std. w/ min. climb of 434' per NM to 700.

Rwy 27, 300-2 or std. w/ min. climb of 270' per NM to 800.

Rwy 36, std. w/ min. climb of 405' per NM to 700, or 1100-2½ for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 9, climb heading 089° to 900 before proceeding on course, or for climb in visual conditions cross Windham Airport at or above 1200 before proceeding on course. When executing VCOA, notify ATC prior to departure.

Rwy 18, climb heading 170° to 1000 before turning right.

Rwy 27, climb heading 269° to 800 before proceeding on course.

Rwy 36, climb heading 358° to 700 before proceeding on course, or for climb in visual conditions cross Windham Airport at or above 1200 before proceeding on course. When executing VCOA, notify ATC prior to departure.

TAKEOFF OBSTACLE NOTES:

Rwy 9, vehicle on road beginning 22' from DER, 461' right of centerline, up to 15' AGL/292' MSL.
Trees beginning 29' from DER, 92' right of centerline, up to 52' AGL/301' MSL.
Vehicle on road beginning 66' from DER, 188' left of centerline, up to 15' AGL/292' MSL.
Fence 75' from DER, 196' right of centerline, 6' AGL/277' MSL.
Poles beginning 284' from DER, left and right of centerline, up to 51' AGL/322' MSL.
Trees beginning 466' from DER, 229' right of centerline, up to 88' AGL/349' MSL.
Vehicle on road beginning 1110' from DER, left and right of centerline, up to 15' AGL/299' MSL.
Trees beginning 1147' from DER, left and right of centerline, up to 80' AGL/376' MSL.
Catenary beginning 1305' from DER, 126' right of centerline, up to 41' AGL/310' MSL.
Trees beginning 4005' from DER, left and right of centerline, up to 80' AGL/587' MSL.
Trees beginning 1.1 NM from DER, left and right of centerline, up to 80' AGL/668' MSL.
Rwy 18, vehicle in parking lot 17' from DER, 264' left of centerline, 15' AGL/264' MSL.
Trees beginning 47' from DER, 66' right of centerline, up to 80' AGL/315' MSL.
Trees beginning 123' from DER, 45' left of centerline, up to 80' AGL/326' MSL.
Pole 413' from DER, 147' left of centerline, 30' AGL/279' MSL.
Trees beginning 2097' from DER, 19' right of centerline, up to 80' AGL/412' MSL.
Trees beginning 2901' from MSL, 81' left of centerline, up to 80' AGL/418' MSL.
Trees beginning 1.6 NM from DER, 2908' left of centerline, up to 80' AGL/516' MSL.
Rwy 27, trees beginning 122' from DER, 117' left of centerline, up to 63' AGL/272' MSL.
Trees beginning 134' from DER, 126' right of centerline, up to 55' AGL/264' MSL.
Trees beginning 193' from DER, left and right of centerline, up to 82' AGL/317' MSL.
Trees beginning 2981' from DER, 442' right of centerline, up to 83' AGL/539' MSL.
Rwy 36, tree 31' from DER, 502' left of centerline, 93' AGL/312' MSL.
Trees beginning 130' from DER, 157' right of centerline, up to 99' AGL/329' MSL.
Trees beginning 195' from DER, 22' left of centerline, up to 103' AGL/316' MSL.
Trees beginning 4742' from DER, 1397' left of centerline, up to 80' AGL/546' MSL.

WINDSOR LOCKS, CT

BRADLEY INTL (BDL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 12AUG21 (21224) (FAA)

TAKEOFF MINIMUMS:

Rwy 33, std. w/min. climb of 340' per NM to 1000 or 1200-3 for VCOA.

VCOA:

Rwy 33, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Bradley Intl airport at or above 1200 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 6, lighting 9' from DER, 9' right of centerline, 2' AGL/163' MSL.
Tree 20' from DER, 464' left of centerline, 27' AGL/184' MSL.
Trees beginning 70' from DER, 494' left of centerline, up to 198' MSL.
Trees beginning 1227' from DER, 730' left of centerline, up to 230' MSL.
Tree 1956' from DER, 920' right of centerline, 78' AGL/231' MSL.
Trees beginning 1969' from DER, 30' right of centerline, up to 245' MSL.
Rwy 15, lighting 3' from DER, 5' left of centerline, 2' AGL/170' MSL.
Terrain 7' from DER, 7' right of centerline, 169' MSL.
Building 1413' from DER, 740' right of centerline, 38' AGL/204' MSL.
Tree 1520' from DER, 897' right of centerline, 49' AGL/219' MSL.
Trees beginning 2336' from DER, 743' left of centerline, up to 49' AGL/246' MSL.
Trees beginning 2864' from DER, 884' left of centerline, up to 251' MSL.
Rwy 24, lighting 2' from DER, 4' left of centerline, 2' AGL/174' MSL.
Fence and pole beginning 1239' from DER, 773' left of centerline, up to 36' AGL/215' MSL.
Tree 1945' from DER, 978' right of centerline, 237' MSL.
Trees beginning 2024' from DER, 912' right of centerline, up to 244' MSL.
Tree 3389' from DER, 598' left of centerline, 70' AGL/258' MSL.
Tree 3456' from DER, 1085' left of centerline, 276' MSL.
Trees beginning 3542' from DER, 619' left of centerline, up to 277' MSL.
Tree 3705' from DER, 490' right of centerline, 71' AGL/270' MSL.
Trees beginning 3751' from DER, 380' right of centerline, up to 83' AGL/285' MSL.
Trees beginning 4014' from DER, 441' right of centerline, up to 286' MSL.
Tree 4161' from DER, 894' right of centerline, 288' MSL.
Tree 4223' from DER, 335' left of centerline, 282' MSL.
Trees beginning 4251' from DER, 196' right of centerline, up to 290' MSL.
Tree 4308' from DER, 491' left of centerline, 291' MSL.
Tree 4804' from DER, 75' left of centerline, 295' MSL.
Rwy 33, lighting 3' from DER, 55' right of centerline, 2' AGL/170' MSL.
Lighting 4' from DER, 54' left of centerline, 2' AGL/170' MSL.
Trees beginning 1098' from DER, 581' right of centerline, up to 231' MSL.
Tree 1271' from DER, 651' left of centerline, 219' MSL.
Tree 1403' from DER, 783' right of centerline, 235' MSL.
Trees beginning 1404' from DER, 546' left of centerline, up to 229' MSL.
Trees beginning 1583' from DER, 34' left of centerline, up to 240' MSL.
Trees beginning 1624' from DER, 457' right of centerline, up to 55' AGL/254' MSL.
Trees beginning 1883' from DER, 477' left of centerline, up to 247' MSL.
Trees beginning 1924' from DER, 41' right of centerline, up to 262' MSL.
Tree 2159' from DER, 852' left of centerline, 254' MSL.
Trees beginning 2205' from DER, 48' left of centerline, up to 68' AGL/260' MSL.
Trees beginning 2420' from DER, 97' left of centerline, up to 261' MSL.
Tree 3069' from DER, 824' left of centerline, 262' MSL.
Trees beginning 3129' from DER, 218' right of centerline, up to 93' AGL/264' MSL.
Trees beginning 3306' from DER, 652' left of centerline, up to 263' MSL.
Trees beginning 3439' from DER, 124' right of centerline, up to 108' AGL/272' MSL.
Trees beginning 2 NM from DER, 3419' left of centerline, up to 565' MSL.
Trees beginning 2.1 NM from DER, 2696' left of centerline, up to 640' MSL.
Trees beginning 2.2 NM from DER, 2911' left of centerline, up to 683' MSL.
Antenna and trees beginning 2.3 NM from DER, 1806' left of centerline, up to 94' AGL/756' MSL.
Antenna 2.3 NM from DER, 3521' left of centerline, 74' AGL/773' MSL.
Tower and trees beginning 2.3 NM from DER, 535' left of centerline, up to 152' AGL/774' MSL.

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WISCASSET, ME

WISCASSET (IWI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 03JUN10 (10154) (FAA)

TAKEOFF MINIMUMS:

Rwy 7, 300-2 or std. with a min. climb of 232' per NM to 400, or alternatively, with standard TAKEOFF minimums and a normal 200' per NM climb gradient, TAKEOFF must occur no later than 2100' prior to DER.

TAKEOFF OBSTACLE NOTES:

Rwy 7, trees beginning 115' from DER, right of and left of centerline, up to 80' AGL/149' MSL.
Vehicle on road, 537' from DER, right and left of centerline, 17' AGL/76' MSL.
T-L towers beginning 3144' from DER, right and left of centerline, 141' AGL/206' MSL.
Trees beginning 3643' from DER, 1311' right of centerline, up to 80' AGL/179' MSL.
Pole 400' from DER, 500' left of centerline, 35' AGL/85' MSL.
Trees beginning 1.38 NM from DER, 285' right of centerline, up to 80' AGL/299' MSL.
Rwy 25, vehicles on roads beginning 30' from DER, right and left of centerline, 15' AGL/84' MSL.
Trees beginning 739' from DER, 111' left of centerline, up to 80' AGL/149' MSL.
Trees beginning 501' from DER, 252' right of centerline, up to 80' AGL/189' MSL.

WORCESTER, MA

WORCESTER RGNL (ORH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 8 11MAR10 (10070) (FAA)

TAKEOFF MINIMUMS:

Rwy 29, 300-1 or std. w/min. climb of 323' per NM to 1300.
Rwy 33, 700-3 or std. w/min. climb of 394' per NM to 2000.

DEPARTURE PROCEDURE:

Rwy 29, climb heading 289° to 1600 before turning right.
Rwy 33, climb heading 333° to 2000 before turning right.

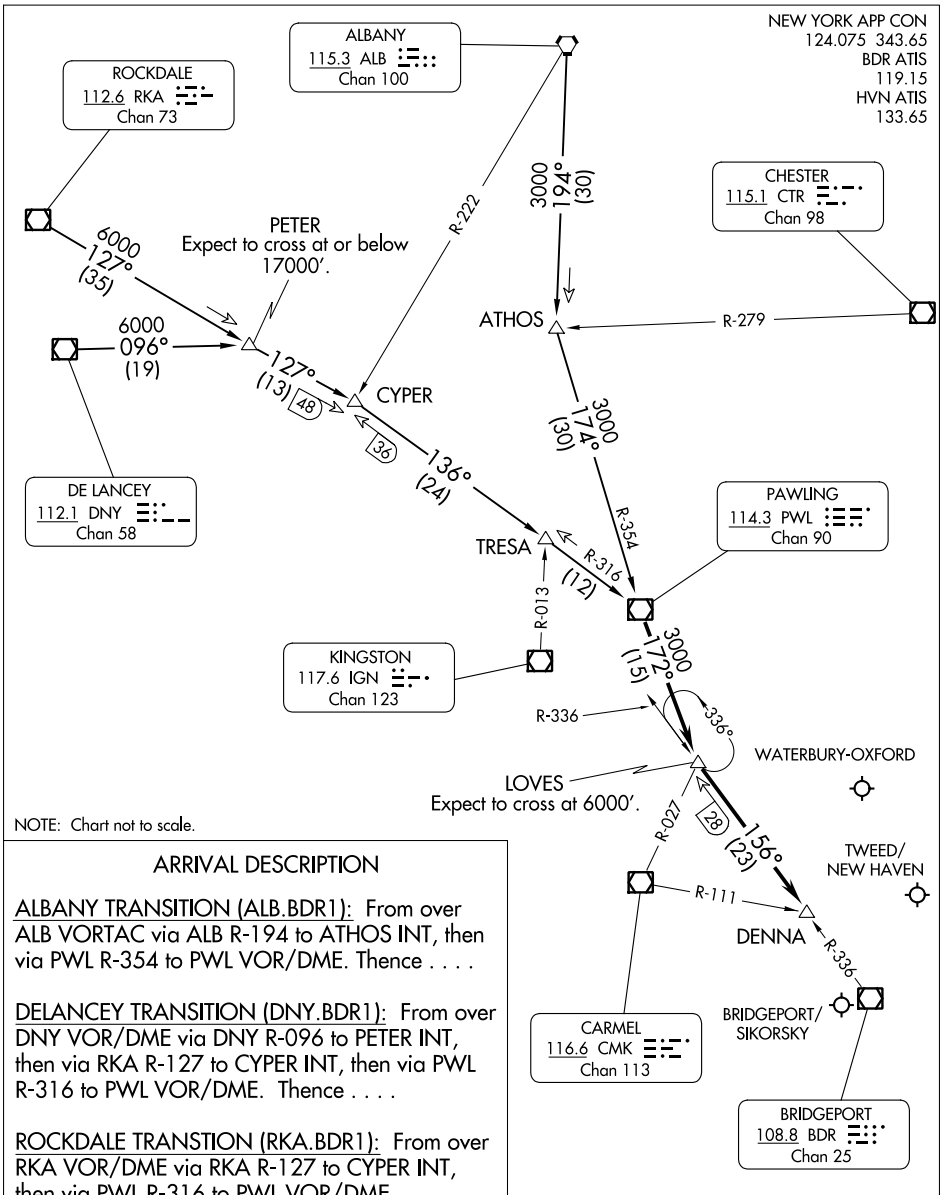
TAKEOFF OBSTACLE NOTES:

Rwy 15, trees beginning 130' from DER, 333' right of centerline, up to 100' AGL/1011' MSL.
Trees beginning 63' from DER, 250' left of centerline, up to 100' AGL/1003' MSL.
Rwy 29, trees beginning 55' from DER, 464' right of centerline, up to 100' AGL/1192' MSL.
Trees beginning 617' from DER, 621' left of centerline, up to 100' AGL/1109' MSL.
Rwy 33, trees beginning 212' from DER, 124' left of centerline, up to 100' AGL/1043' MSL.
Trees beginning 499' from DER, 339' right of centerline, up to 100' AGL/1418' MSL.
Rising terrain beginning 1.5 NM from DER, 1491' right of centerline, up to 1385' MSL.
Rod on pole 1.3 NM from DER, 1325' left of centerline, up to 76' AGL/1224' MSL.
Rod on pole 1.4 NM from DER, 195' right of centerline, up to 90' AGL/1257' MSL.
Rod on pole 1.6 NM from DER, 2120' right of centerline, up to 107' AGL/1402' MSL.
Tower 1.8 NM from DER, 3415' right of centerline, up to 106' AGL/1500' MSL.
Tower 2.3 NM from DER, 4087' right of centerline, up to 366' AGL/1674' MSL.

BRIDGEPORT ONE ARRIVAL

AL-621 (FAA)

BRIDGEPORT, CONNECTICUT



NOTE: Chart not to scale.

ARRIVAL DESCRIPTION

ALBANY TRANSITION (ALB.BDR1): From over ALB VORTAC via ALB R-194 to ATHOS INT, then via PWL R-354 to PWL VOR/DME. Thence . . . .

DELANCEY TRANSITION (DNY.BDR1): From over DNY VOR/DME via DNY R-096 to PETER INT, then via RKA R-127 to CYPER INT, then via PWL R-316 to PWL VOR/DME. Thence . . . .

ROCKDALE TRANSTION (RKA.BDR1): From over RKA VOR/DME via RKA R-127 to CYPER INT, then via PWL R-316 to PWL VOR/DME. Thence . . . .

. . . . From over PWL VOR/DME via PWL R-172 to LOVES INT. Then via BDR R-336 to DENNA INT. Expect radar vectors to the final approach course.

NOTE: This procedure applicable to jet aircraft only.

NE-1, 22 FEB 2024 to 21 MAR 2024

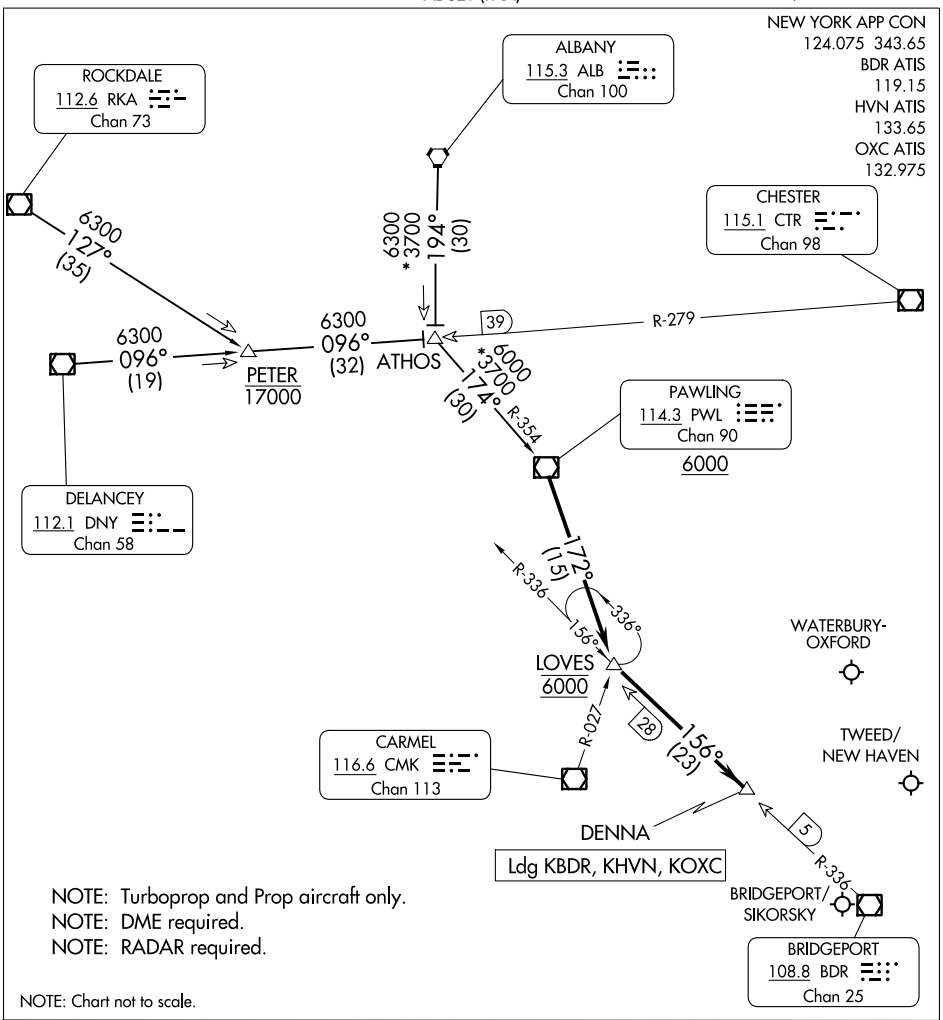
BRIDGEPORT ONE ARRIVAL

BRIDGEPORT, CONNECTICUT

DENNA THREE ARRIVAL

AL-621 (FAA)

BRIDGEPORT, CONNECTICUT



NOTE: Turboprop and Prop aircraft only.
NOTE: DME required.
NOTE: RADAR required.

NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

ALBANY TRANSITION (ALB.DENNA3): From over ALB VORTAC on ALB R-194 to ATHOS, then on PWL R-354 to PWL VOR/DME, thence....
DELANCEY TRANSITION (DNY.DENNA3): From over DNY VOR/DME on DNY R-096 to ATHOS, then on PWL R-354 to PWL VOR/DME, thence....
ROCKDALE TRANSITION (RKA.DENNA3): From over RKA VOR/DME on RKA R-127 to PETER, then on DNY R-096 to ATHOS, then on PWL R-354 to PWL VOR/DME, thence....

....from PWL VOR/DME on PWL R-172 to cross LOVES at 6000, then on BRIDGEPORT (BDR) R-336 to DENNA. Expect RADAR vectors.

NE-1, 22 FEB 2024 to 21 MAR 2024

DENNA THREE ARRIVAL
BRIDGEPORT, CONNECTICUT