

# MANCHESTER EIGHT DEPARTURE

ATIS 119.55  
CLNC DEL 135.9  
GND CON 121.9  
MANCHESTER TOWER 121.3 239.025  
BOSTON DEP CON 124.9 269.075

### TAKEOFF MINIMUMS:

Rwy 6: Standard with minimum climb of 206' per NM to 1000, or alternatively, with Standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1900' prior to DER.  
Rwy 17: 300-1¼ or Standard with minimum climb of 277' per NM to 600.  
Rwy 24: Standard with minimum climb of 321' per NM to 1200.  
Rwy 35: Standard with minimum climb of 253' per NM to 2000.

**TOP ALTITUDE:**  
**3000**

KENNEBUNK  
117.1 ENE  
Chan 118  
N43°25.54'-W70°36.81'

CAMBRIDGE  
115.0 CAM  
Chan 97  
N42°59.66'-W73°20.64'  
L-32-34, H-11-12

LEBANON  
113.7 LEB  
Chan 84  
N43°40.73'-W72°12.96'

L-32, H-11-12

PEASE  
116.5 PSM  
Chan 112  
N43°05.07'-W70°49.92'  
L-32-33, H-11-12

CONCORD  
112.9 CON  
Chan 76  
N43°13.19'-W71°34.53'  
L-32

MANCHESTER  
114.4 MHT  
Chan 91  
N42°52.11'-W71°22.17'  
L-32-33, H-11-12

LAWRENCE  
112.5 LWM  
Chan 72  
N42°44.42'-W71°05.69'  
L-33

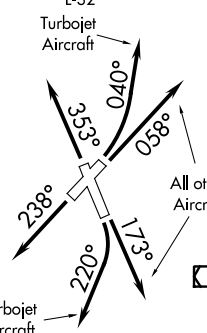
NOTE: Radar required.

KEENE  
109.4 EEN  
Chan 31  
N42°47.66'-W72°17.51'  
L-32-33, H-11-12

GARDNER  
110.6 GDM  
Chan 43  
N42°32.76'-W72°03.49'  
L-33-34, H-11-12

BEDDS  
N42°28.78'  
W71°23.34'

BOSTON  
112.7 BOS  
Chan 74  
N42°21.45'-W70°59.37'  
L-33-34, H-10-11-12



### TAKEOFF OBSTACLE NOTES:

- Rwy 6: Pole and trees beginning 67' from DER, 162' left of centerline, up to 107' AGL/313' MSL. Fence and trees beginning 6' from DER, 90' right of centerline, up to 72' AGL/272' MSL.
- Rwy 17: Buildings and trees beginning 1792' from DER, 54' left of centerline, up to 107' AGL/418' MSL. Transmission line tower, poles, buildings and trees beginning 761' from DER, 4' right of centerline, up to 90' AGL/418' MSL. Pole 5563' from DER, 92' left of centerline, 57' AGL/457' MSL.
- Rwy 24: Pole and trees beginning 221' from DER, 243' left of centerline, up to 119' AGL/293' MSL. Trees beginning 2556' from DER, 1041' right of centerline, up to 101' AGL/313' MSL.
- Rwy 35: Pole and trees beginning 891' from DER, 527' left of centerline, up to 76' AGL/320' MSL. Poles and trees beginning 719' from DER, 558' right of centerline, up to 44' AGL/281' MSL. Trees 5933' from DER, 1950' left of centerline, up to 76' AGL/409' MSL. Trees 1.0 NM from DER, 1581' left of centerline, up to 60' AGL/414' MSL. Trees 1.2 NM from DER, 1946' left of centerline, up to 85' AGL/407' MSL.

NOTE: Chart not to scale.

### DEPARTURE ROUTE DESCRIPTION

- TAKEOFF RWY 6:** TURBOJET AIRCRAFT - Climbing left turn heading 040°, thence . . . . ALL OTHER AIRCRAFT - Climb heading 058° or as assigned by ATC, thence . . . .
  - TAKEOFF RWY 17:** TURBOJET AIRCRAFT - Climbing right turn heading 220°, thence . . . . ALL OTHER AIRCRAFT - Climb heading 173° or as assigned by ATC, thence . . . .
  - TAKEOFF RWY 24:** Climb heading 238° or as assigned by ATC, thence . . . .
  - TAKEOFF RWY 35:** Climb heading 353° or as assigned by ATC, thence . . . .
- . . . . expect vectors to assigned Route/Navaid/Fix. Maintain 3000 or as assigned by ATC. Expect clearance to filed altitude/flight level within five (5) minutes after departure.

NE-1, 22 JUN 2017 to 20 JUL 2017

NE-1, 22 JUN 2017 to 20 JUL 2017

# PPOINT TWO DEPARTURE (RNAV)

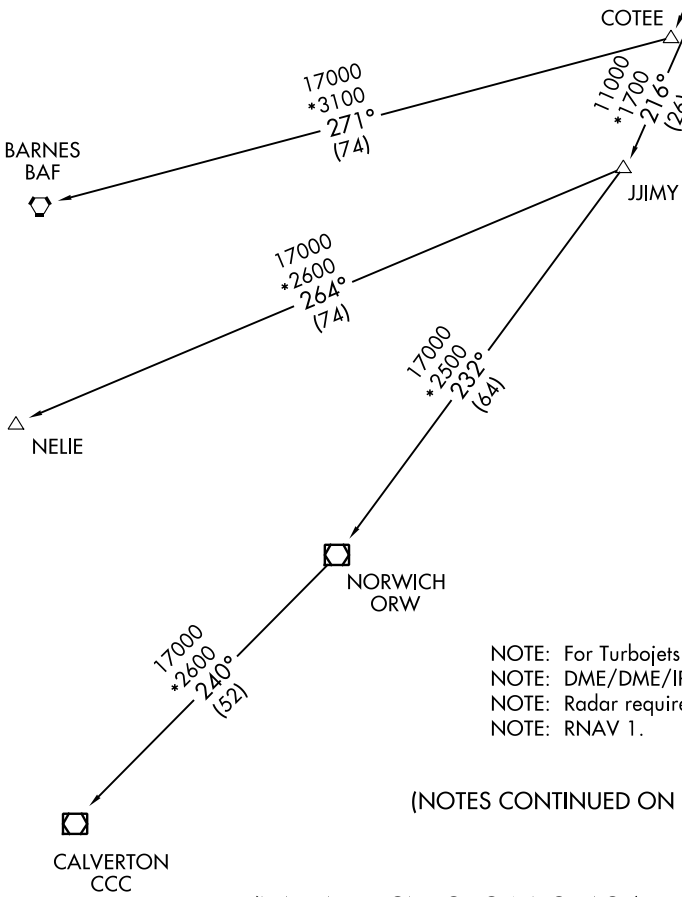
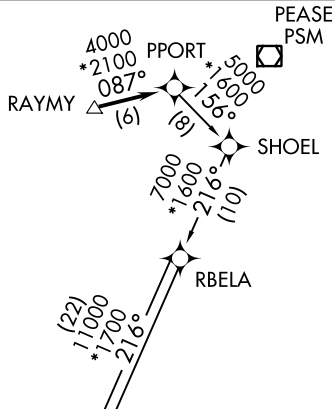
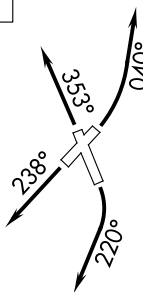
MANCHESTER (MHT)  
MANCHESTER, NEW HAMPSHIRE

ATIS 119.55  
 CLNC DEL 135.9  
 GND CON 121.9  
 MANCHESTER TOWER 121.3 239.025  
 BOSTON DEP CON 124.9 269.075

**TOP ALTITUDE:  
3000**

### TAKEOFF MINIMUMS:

Rwy 6: Standard with minimum climb of 321' per NM to 3000.  
 Rws 17, 24, 35: Standard with minimum climb of 320' per NM to 3000.



NOTE: For Turbojets only.  
 NOTE: DME/DME/IRU or GPS required.  
 NOTE: Radar required.  
 NOTE: RNAV 1.

(NOTES CONTINUED ON FOLLOWING PAGE)

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

NE-1, 22 JUN 2017 to 20 JUL 2017

NE-1, 22 JUN 2017 to 20 JUL 2017

PPORT TWO DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 6: Climbing left turn heading 040°, Thence. . . .

TAKEOFF RWY 17: Climbing right turn heading 220°, Thence. . . .

TAKEOFF RWY 24: Climb heading 238°, Thence. . . .

TAKEOFF RWY 35: Climb heading 353°, Thence. . . .

. . . .Expect vectors to RAYMY, then on depicted route to PPORT.  
Maintain 3000 or as assigned by ATC. Expect clearance to filed altitude/flight level within five (5) minutes after departure.

BARNES TRANSITION (PPORT2.BAF):

CALVERTON TRANSITION (PPORT2.CCC):

NELIE TRANSITION (PPORT2.NELIE):

TAKEOFF OBSTACLE NOTES:

Rwy 6: Pole and trees beginning 67' from DER, 162' left of centerline, up to 107' AGL/313' MSL.

Fence and trees beginning 6' from DER, 90' right of centerline, up to 72' AGL/272' MSL.

Rwy 17: Buildings and trees beginning 1792' from DER, 54' left of centerline, up to 107' AGL/418' MSL.

Transmission line tower, poles, buildings, and trees beginning 761' from DER, 4' right of centerline, up to 90' AGL/418' MSL.

Pole 5563' from DER, 92' left of centerline, 57' AGL/457' MSL.

Rwy 24: Pole and trees beginning 221' from DER, 243' left of centerline, up to 119' AGL/293' MSL.

Trees beginning 2556' from DER, 1041' right of centerline, up to 101' AGL/313' MSL.

Rwy 35: Pole and trees beginning 891' from DER, 527' left of centerline, up to 76' AGL/320' MSL.

Poles and trees beginning 719' from DER, 558' right of centerline, up to 44' AGL/281' MSL.

Trees 5933' from DER, 1950' left of centerline, up to 76' AGL/409' MSL.

Trees 1.0 NM from DER, 1581' left of centerline, up to 60' AGL/414' MSL.

Trees 1.2 NM from DER, 1946' left of centerline, up to 85' AGL/407' MSL.

NE-1, 22 JUN 2017 to 20 JUL 2017

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