When Circling to Rwy 34 at night, operational VGSI required, remain on or above VGSI glidepath until threshold. For inop ALS, increase EMUNY fix minimums S-LOC 6 Cat C/D visibility to 1 SM.

**ATIS**

**PHILADELPHIA**

**APP CON**

**TRENTON TOWER**

**GND CON**

**CLNC DEL**

**UNICOM**

**CATEGORY**

**A**

**B**

**C**

**D**

**S-ILS 6**

**S-LOC 6**

**CIRCLING**

**EMUNY FIX MINIMUMS (DUAL VOR RECEIVERS REQUIRED)**

**S-LOC 6**

**CIRCLING**
For uncompensated Baro-VNAV systems, procedure NA below -13°C (130°F). When VGSI inop, procedure NA at night. RF required. GPS required.

MISSING APPROACH: Climb to 2700 on track 239° to ZUBAX and hold.

MISSED APCH FIX

ZUBAX

575 ±

239°

to RW24

245 ±

267 ±

HIRL Rwys 6-24 and 16-34
REL Rwys 16, 24 and 34

271 ±

570

445 ±

239°

(12.3)

260 ±

253 ±

265 ±

RW24

FEMVU

HAMMA

CAXES

Max 210K

N

M

2.0 NM

2600

570

FEMVU

(FAF)

JORUT

(2.1)

(3.7)

2000

3.09°

CAXES

059°

2600

1048

1700

120.

257.

121.

257.

121.

257.

122.

95.

291.

257.

0.5% UP

0.8% UP

TW R

245

267

185

271

369

211

120.7 (CTAF)

126.775

123.8

291.7

121.9

257.8

257.8

212

193

206

806-1.05

150-1.05

696-1.05

606-1.05

1048

1700

239°

265°

239°

134°

0.9°

3.6°

1048

570

A

B

C

D

RNP 0.10 DA

448 (500-1.5)

RNP 0.30 DA

548 (600-1.5)

641-1.5

741-1.5

AUTHORIZATION REQUIRED

CATEGORY

A

B

C

D

RNP 0.10 DA

641-1.5

448 (500-1.5)

RNP 0.30 DA

548 (600-1.5)

641-1.5

741-1.5

2700

3.7 NM

6.2 NM

3.7 NM

1043

19339

AL-982 (FAA)

TRENTON, NEW JERSEY

193°

TRENTON MERCER (TTN)

NE-2, 05 DEC 2019 to 02 JAN 2020

TRENTON MERCER (TTN)

18SEP14

40°17'N-74°49'W
For uncompensated Baro-VNAV systems, procedure NA below -13°C (8°F) or above 54°C (130°F).
GPS required.
For inoperative MALSR, increase RNP 0.10 DA all Cats visibility to 1 mile, increase RNP 0.30 DA all Cats visibility to 1½ mile.

Radar Required

VGSi and RNAV glidepath not coincident.
See planview for multiple IF locations.

Authorization Required
RNAV (GPS) Z RWY 24
TRENTON MERCER (TTN)

- **Boro-VNAV NA when using Northeast Philadelphia altimeter setting.** For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -13°C (8°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Northeast Philadelphia altimeter setting: increase LPV DA to 626 feet and LNAV/VNAV DA to 677 feet and all visibilities ½ mile; increase all MDA 60 feet and LNAV Cats C and D visibilities ½ mile and Circling visibility Cat C ½ mile. VDP NA with Northeast Philadelphia altimeter setting. Helicopter visibility reduction below ½ SM NA. Night Landing: Rwy 34 operational VGSI required, remain on or above VGS glidepath until threshold. For uncompensated Baro-VNAV systems, LNAV/VNAV NA when using Northeast Philadelphia altimeter setting.

- **A** 271°
  - HIRL Rwy 6-24 and 16-34
  - REIL Rwy 16, 24 and 34

- **MISSED APPROACH:**
  - Climb to 2700 direct ZUBAX and hold.

- **ATIS**
  - TRENTON TOWER: 120.7 (CTAF) 257.8
  - CLNC DEL: 121.9
  - UNICOM: 122.95

- **RNAV (GPS) Z RWY 24**
  - Procedure NA for arrivals at WAARD.
  - RADAR required for arrivals at CASUB.

- **APC CRS**
  - 239°

- **APP CRS**
  - 239°

- **TDZE**
  - 193

- **ELEV**
  - 213

- **REIL RWPs 16, 24 and 34**

- **NE-2, 05 DEC 2019 to 02 JAN 2020**

- **LNAV/VNAV DA**
  - 631-1/2

- **LNAV MDA**
  - 620-1

- **CIRCLING**
  - 680-1

- **Landing:** Rwy 34 operational VGSI required, remain on or above VGSI glidepath until threshold.

- **Amdt 1B  04FEB16**

- **W24A**
  - NE-2, 05 DEC 2019 to 02 JAN 2020
Baro-VNAV NA when using Northeast Philadelphia altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -13°C (8°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting is not received use Northeast Philadelphia altimeter setting: increase LPV DA to 407 feet; increase LNAV/VNAV DA to 632 and LNAV/VNAV visibilities all Cats ¼ mile; increase all MDA 60 feet, increase LNAV Cat C/D visibility ¼ mile. Night Landing: Rwy 34 operational VGSI required, remain on or above VGSI glidepath until threshold.

MALS R

MISSED APPROACH: Climb to 1500 then climbing left turn to 2700 direct ZUBAX and hold.

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPV DA</td>
<td>388-½</td>
<td>202 (200-½)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LNAV/ VNAV DA</td>
<td>611-7/6</td>
<td>425 (400-7/6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LNAV MDA</td>
<td>700-½</td>
<td>514 (500-½)</td>
<td>700-1</td>
<td>514 (500-1)</td>
</tr>
<tr>
<td>CIRCLING</td>
<td>700-1</td>
<td>488 (500-1)</td>
<td>700-1½</td>
<td>488 (500-1½)</td>
</tr>
</tbody>
</table>
**VOR or GPS-A**

**TRENTON MERCER (TTN)**

**ATIS**
- **PHILADELPHIA APP CON**
- **TRENTON TOWER** 120.7 (CTAF) 257.8
- **GND CON**
- **CLNC DEL**
- **UNICOM**

**Category**
- **A**
- **B**
- **C**
- **D**
  - **CIRCLING**
    - 700-1 487 (500-1)
    - 700-1½ 487 (500-1½)
    - 780-2 567 (600-2)

**Flights**
- **Channel**
  - **19**
  - **19**

**Runways**
- **REIL Rwys 16, 24 and 34**
- **HIRL Rwys 6-24 and 16-34**

**Altitude**
- **213**

**Combined 081° VOR/DME**

**MISSED APPROACH:** Climbing left turn to 2000 direct ARD VOR/DME and hold.

**Directional Gyro**
- **Night Landing:** Rwy 34 operational VGSI required, remain on or above VGSI glidepath until threshold.

**FAF to Map Distance**
- **4.1 NM**

**Approach**
- **One Minute Holding Pattern**
- **2000**
- **261°**
- **081°**
- **ARD:**
  - **575°**
  - **351°**
  - **369°**

**VOR/DME**
- **ARD:**
  - **108.2**
  - **10°**

**Sectional**
- **1547**

**Location**
- **TRENTON, NEW JERSEY**
- **AL-982 (FAA)**

**Date**
- **NE-2, 05 DEC 2019 to 02 JAN 2020**

**Amdt 11A 04FEB16**

**Chart NE-2**
- **40°17′N-74°49′W**
### IFR Alternate Minimums

Standard alternate minimums for non-precision approaches and approaches with vertical guidance [NDB, VOR, LOC, TACAN, LDA, SDF, VOR/DME, ASR, RNAV (GPS) or RNAV (RN P)] are 800-2. Standard alternate minimums for precision approaches (ILS, PAR, or GLS) are 600-2. Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Civil pilots see FAR 91. IFR Alternate Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Minimums Notes for alternate airfield suitability.

<table>
<thead>
<tr>
<th>Name</th>
<th>Alternate Minimums</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Albany, NY</strong></td>
<td></td>
</tr>
<tr>
<td>Albany Intl (ALB)</td>
<td>ILS or LOC Rwy 19</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Y Rwy 19</td>
</tr>
<tr>
<td></td>
<td>¹ILS, Category D, 700-2¼; LOC, Category D, 800-2¼</td>
</tr>
<tr>
<td></td>
<td>²Category D, 800-2¼</td>
</tr>
<tr>
<td>Andover, NJ</td>
<td></td>
</tr>
<tr>
<td>AEROFLEX-Andover (12N)</td>
<td>RNAV (GPS) Rwy 3</td>
</tr>
<tr>
<td></td>
<td>VOR-A</td>
</tr>
<tr>
<td></td>
<td>NA when local weather not available. Category A, 1000-2.</td>
</tr>
<tr>
<td>Atlantic City, NJ</td>
<td></td>
</tr>
<tr>
<td>Atlantic City Intl (ACY)</td>
<td>ILS or LOC Rwy 13</td>
</tr>
<tr>
<td></td>
<td>ILS or LOC/DME Rwy 31</td>
</tr>
<tr>
<td></td>
<td>RADAR-1</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 4</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Y Rwy 13</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 22</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Y Rwy 31</td>
</tr>
<tr>
<td></td>
<td>VOR/DME Rwy 22</td>
</tr>
<tr>
<td></td>
<td>VOR Rwy 4</td>
</tr>
<tr>
<td></td>
<td>VOR Rwy 13</td>
</tr>
<tr>
<td></td>
<td>VOR Rwy 31</td>
</tr>
<tr>
<td></td>
<td>¹ILS, Category E, 700-2¼; LOC, Category E, 800-2¼</td>
</tr>
<tr>
<td></td>
<td>²Category E, 800-2¼</td>
</tr>
<tr>
<td>Belmar/Farmingdale, NJ</td>
<td></td>
</tr>
<tr>
<td>Monmouth Executive (BLM)</td>
<td>RNAV (GPS) Rwy 14</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 32</td>
</tr>
<tr>
<td></td>
<td>VOR-A</td>
</tr>
<tr>
<td></td>
<td>NA when local weather not available.</td>
</tr>
<tr>
<td>Binghamton, NY</td>
<td></td>
</tr>
<tr>
<td>Greater Binghamton/Edwin A.</td>
<td>ILS or LOC Rwy 16</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 34</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 10</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 28</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 34</td>
</tr>
<tr>
<td></td>
<td>¹NA when control tower closed.</td>
</tr>
<tr>
<td></td>
<td>²NA when local weather not available.</td>
</tr>
<tr>
<td>Caldwell, NJ</td>
<td></td>
</tr>
<tr>
<td>Essex County (CDW)</td>
<td>RNAV (GPS) Rwy 4</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 10</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 22</td>
</tr>
<tr>
<td></td>
<td>¹Category B, 900-2; Category C, 1000-2¾;</td>
</tr>
<tr>
<td></td>
<td>²Category D, 1300-3.</td>
</tr>
<tr>
<td></td>
<td>²Category B, 900-2; Category C, 1000-2¾.</td>
</tr>
<tr>
<td>Cortland, NY</td>
<td></td>
</tr>
<tr>
<td>Cortland County-Chase Field (N03)</td>
<td>VOR or GPS-A</td>
</tr>
<tr>
<td></td>
<td>Categories A, B, 1100-2, Categories C, D, 1100-3.</td>
</tr>
<tr>
<td>Dansville, NY</td>
<td></td>
</tr>
<tr>
<td>Dansville Muni (DSV)</td>
<td>RNAV (GPS)-A</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 14</td>
</tr>
<tr>
<td></td>
<td>¹NA when local weather not available. Category A, 1300-2; Category B, 1500-2;</td>
</tr>
<tr>
<td></td>
<td>Category C, 1500-3.</td>
</tr>
<tr>
<td>Dunkirk, NY</td>
<td></td>
</tr>
<tr>
<td>Chautauqua County/Dunkirk</td>
<td>RNAV (GPS)-A</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 15</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 33</td>
</tr>
<tr>
<td></td>
<td>¹NA when local weather not available. Category C, 1000-2¾; Category D, 1500-3.</td>
</tr>
<tr>
<td></td>
<td>²Categories A, B, 1200-2; Category C, 1200-3;</td>
</tr>
<tr>
<td></td>
<td>Category D, 1500-3.</td>
</tr>
<tr>
<td>East Hampton, NY</td>
<td></td>
</tr>
<tr>
<td>East Hampton (HTO)</td>
<td>RNAV (GPS) Y Rwy 28</td>
</tr>
<tr>
<td></td>
<td>Category D, 800-2½</td>
</tr>
</tbody>
</table>

**Notes:**
- **M1**
- **NE-2**
- **19339**
<table>
<thead>
<tr>
<th>NAME</th>
<th>ALTERNATE MINIMUMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELMIRA/CORNING, NY</td>
<td>ALTERNATE MINIMUMS</td>
</tr>
<tr>
<td>ELMIRA/CORNING RGNL (ELM)</td>
<td>ILS or LOC Rwy 6</td>
</tr>
<tr>
<td></td>
<td>ILS or LOC Rwy 24</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 6</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 10</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 24</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 28</td>
</tr>
<tr>
<td></td>
<td>NA when local weather not available.</td>
</tr>
<tr>
<td></td>
<td>1 NA when local weather not available.</td>
</tr>
<tr>
<td></td>
<td>2 Categories A, B, 1500-2; Categories C, D, 1500-3.</td>
</tr>
<tr>
<td></td>
<td>3 Categories A, B, 1200-2; Category C, 1200-3.</td>
</tr>
<tr>
<td></td>
<td>4 Categories A, B, 1200-2; Category C, 1200-3.</td>
</tr>
<tr>
<td></td>
<td>5 Categories A, B, 1400-2; Categories C, D, 1400-3.</td>
</tr>
<tr>
<td>Farmingdale, NY</td>
<td>ALTERNATE MINIMUMS</td>
</tr>
<tr>
<td>REPUBLIC (FRG)</td>
<td>ILS or LOC Rwy 14</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 1</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Y Rwy 14</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 19</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 32</td>
</tr>
<tr>
<td></td>
<td>NA when local weather not available.</td>
</tr>
<tr>
<td></td>
<td>1 NA when control tower closed.</td>
</tr>
<tr>
<td></td>
<td>2 Categories C, D, 700-2.</td>
</tr>
<tr>
<td>Fulton, NY</td>
<td>ALTERNATE MINIMUMS</td>
</tr>
<tr>
<td>Oswego COUNTY (FZY)</td>
<td>RNAV (GPS) Rwy 15</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 24</td>
</tr>
<tr>
<td></td>
<td>NA when local weather not available.</td>
</tr>
<tr>
<td>Glens Falls, NY</td>
<td>ALTERNATE MINIMUMS</td>
</tr>
<tr>
<td>Floyd Bennett MEMORIAL (GFL)</td>
<td>ILS or LOC Rwy 1</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 12</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 19</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 30</td>
</tr>
<tr>
<td></td>
<td>LOC, Category D, 1200-3.</td>
</tr>
<tr>
<td></td>
<td>Category D, 1700-3.</td>
</tr>
<tr>
<td></td>
<td>Category D, 1100-3.</td>
</tr>
<tr>
<td></td>
<td>NA when local weather not available.</td>
</tr>
<tr>
<td>Ithaca, NY</td>
<td>ALTERNATE MINIMUMS</td>
</tr>
<tr>
<td>Ithaca Tompkins RGNL (ITH)</td>
<td>ILS or LOC Rwy 32</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Y Rwy 14</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Z Rwy 14</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Z Rwy 32</td>
</tr>
<tr>
<td></td>
<td>LOC, Category A, B, 1000-2; Category C, 1000-2½; Category D, 1400-3.</td>
</tr>
<tr>
<td></td>
<td>1 NA when local weather not available.</td>
</tr>
<tr>
<td></td>
<td>2 NA when local weather not available.</td>
</tr>
<tr>
<td></td>
<td>3 LOC, Categories A, B, 900-2; Category C, 900-2; Category D, 900-2½.</td>
</tr>
<tr>
<td></td>
<td>4 Category D, 800-2½.</td>
</tr>
<tr>
<td></td>
<td>5 Categories A, B, 1300-2; Categories C, D, 1300-3.</td>
</tr>
<tr>
<td>Monticello, NY</td>
<td>ALTERNATE MINIMUMS</td>
</tr>
<tr>
<td>Sullivan County INTL (MSV)</td>
<td>ILS or LOC Rwy 15</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 15</td>
</tr>
<tr>
<td></td>
<td>RNAV (GPS) Rwy 33</td>
</tr>
<tr>
<td></td>
<td>NA when local weather not available.</td>
</tr>
<tr>
<td></td>
<td>1 NA when local weather not available.</td>
</tr>
<tr>
<td></td>
<td>2 LOC, Category D, 800-2½.</td>
</tr>
<tr>
<td></td>
<td>3 LOC, Category D, 800-2½.</td>
</tr>
<tr>
<td>Mount Holly, NJ</td>
<td>ALTERNATE MINIMUMS</td>
</tr>
<tr>
<td>South Jersey RGNL (VAY)</td>
<td>RNAV (GPS) Rwy 8</td>
</tr>
<tr>
<td></td>
<td>NA when local weather not available.</td>
</tr>
</tbody>
</table>
NAME | ALTERNATE MINIMUMS
--- | ---
NEW YORK, NY | JOHN F. KENNEDY INTL (JFK)..........................ILS or LOC Rwy 4R
 | ILS or LOC Rwy 22L
 | ILS or LOC Rwy 22R
 | RNAV (GPS) Z RWY 13L
 | VOR or GPS Rwy 13L/R, 1000-3
 | ^1ILS, Categories A, B, C, D, 700-2.
 | ^2NA when local weather not available.
 | ^3Categories A, B, C, D, 1300-4.
LAGUARDIA (LGA)..........................ILS or LOC Rwy 4
 | ILS or LOC Rwy 13
 | ILS or LOC Rwy 22
 | LDA-A
 | LOC Rwy 31
 | RNAV (GPS)-B
 | RNAV (GPS) Rwy 13
 | RNAV (GPS) Y Rwy 4
 | RNAV (GPS) Y Rwy 22
 | RNAV (GPS) Y Rwy 31
 | VOR Rwy 4
 | ^1LOC, Categories C, D, 1100-3.
 | ^2Categories C, D, 1100-3.
LONG ISLAND | MAC ARTHUR (ISP)..........................ILS or LOC Rwy 6
 | ILS or LOC Rwy 24
 | RNAV (GPS) Rwy 6
 | RNAV (GPS) Rwy 15R
 | RNAV (GPS) Rwy 24
 | RNAV (GPS) Rwy 33L
 | ^1NA when local weather not available.
 | ^2NA when control tower closed.
 | ^3LOC, Category D, 900-2½.
 | ^4Category D, 900-2½.
NEW YORK STEWART | INTL (SWF)..........................LS or LOC Rwy 6
 | ILS or LOC Rwy 27
 | RNAV (GPS) Rwy 9
 | RNAV (GPS) Rwy 16
 | RNAV (GPS) Rwy 27
 | RNAV (GPS) Rwy 34
 | ^1ILS, Categories A, B, C, 800-2, Category D, 800-2½; LOC, Category D, 800-2½.
 | ^2Category D, 800-2½.
 | ^3Category D, 800-2½.
 | ^4Categories C, D, 800-2½.
 | ^5NA when control tower closed.
 | ^6Category D, 800-2½, Category E 800-2½.
NEWARK, NJ | NEWARK LIBERTY INTL (EWR)..........................ILS or LOC Rwy 4L
 | ILS or LOC Rwy 4R
 | ILS or LOC Rwy 11
 | ILS or LOC Rwy 22L
 | ILS or LOC Rwy 22R
 | RNAV (GPS) Rwy 4L
 | RNAV (GPS) Y Rwy 4R
 | RNAV (GPS) Rwy 11
 | RNAV (GPS) Z Rwy 22L
 | RNAV (GPS) X Rwy 29
 | VOR Rwy 11
 | ^1ILS, Categories A, B, C, 800-2; Category D, 900-3. LOC, Category D, 900-3.
 | ^2Category D, 900-3.
 | ^3Categories A, B, 1000-2; Categories C, D, 1000-3.
 | ^4Category B, 900-2; Category C, 900-2½;
 | Category D, 900-3.
 | ^5ILS, Category A, 800-2; Category B, 900-2;
 | Category C, 900-2½; Category D, 900-3;
 | LOC, Category B, 900-2; Category C, 900-2½;
 | Category D, 900-3.
 | ^6NA when local weather not available.
 | ^7NA when control tower closed.
 | ^8Categories C, D, 800-2½.
 | ^9NA when control tower closed.
 | ^10Categories C, D, 800-2½.
 | ^11NA when control tower closed.
NIAGARA FALLS, NY | NIAGARA FALLS INTL (IAG)..........................ILS Y or LOC Y Rwy 28R
 | ILS Z or LOC Z Rwy 28R
 | NDB Rwy 28R
 | RNAV (GPS) Rwy 6
 | RNAV (GPS) Rwy 10L
 | RNAV (GPS) Y Rwy 24
 | RNAV (GPS) Z Rwy 24
 | RNAV (GPS) Rwy 28R
 | TACAN Rwy 28R
 | NA when local weather not available.
 | ^1ILS, Category D, 800-2½; LOC, Category D, 800-2½.
 | ^2Category D, 800-2½.
 | ^3Category D, 800-2½.
 | ^4Categories C, D, 800-2½.
 | ^5NA when control tower closed.
 | ^6Category D, 800-2½, Category E 800-2½.
OGDENSBURG, NY | OGDENSBURG INTL (OGS)..........................RNAV (GPS) Rwy 9
Category D, 800-2½.
NA when local weather not available.
^1Categories A, B, 900-2; Category C, 900-2½;
Category D, 900-2½.
^2Category D, 800-2½.
PENN YAN, NY | PENN YAN (PEO)..........................RNAV (GPS) Rwy 1
 | RNAV (GPS) Rwy 19
NA when local weather not available.
^1Categories A, B, 900-2; Category C, 900-2½;
Category D, 900-2½.
^2Category D, 800-2½.
<table>
<thead>
<tr>
<th>Name</th>
<th>Alternate Minimums</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plattsburgh, NY</strong></td>
<td></td>
</tr>
<tr>
<td>Plattsburgh INTL (PBG)</td>
<td>ILS or LOC Rwy 35(^1) RNAV (GPS) Rwy 35(^{23})</td>
</tr>
<tr>
<td></td>
<td>1ILS, LOC, Category D, 800-2¼.</td>
</tr>
<tr>
<td></td>
<td>2Category D, 800-2¼.</td>
</tr>
<tr>
<td></td>
<td>3NA when local weather not available.</td>
</tr>
<tr>
<td><strong>Potsdam, NY</strong></td>
<td></td>
</tr>
<tr>
<td>Potsdam Muni/Damon Field (PTD)</td>
<td>RNAV (GPS) Rwy 24</td>
</tr>
<tr>
<td></td>
<td>NA when local weather not available.</td>
</tr>
<tr>
<td><strong>Poughkeepsie, NY</strong></td>
<td></td>
</tr>
<tr>
<td>Hudson Valley RGNL (POU)</td>
<td>ILS or LOC Rwy 6(^{12}) RNAV (GPS) Rwy 6(^{36}) RNAV (GPS) Rwy 24(^{46})</td>
</tr>
<tr>
<td></td>
<td>1LOC, NA when control tower closed.</td>
</tr>
<tr>
<td></td>
<td>2LOC, Category D, 800-2¼.</td>
</tr>
<tr>
<td></td>
<td>3Category D, 800-2¾.</td>
</tr>
<tr>
<td></td>
<td>4Category C, 800-2¼; Category D, 800-2½.</td>
</tr>
<tr>
<td></td>
<td>5Categories C, D, 800-2½.</td>
</tr>
<tr>
<td></td>
<td>6NA when local weather not available.</td>
</tr>
<tr>
<td><strong>Rochester, NY</strong></td>
<td></td>
</tr>
<tr>
<td>Greater Rochester INTL (ROC)</td>
<td>ILS or LOC Rwy 4(^{2}) ILS or LOC Rwy 22(^{3}) RNAV (GPS) Rwy 4(^{2})</td>
</tr>
<tr>
<td></td>
<td>1ILS, Categories A, B, 700-2; Category C, 1000-2¼; Category D, 1000-3. LOC,</td>
</tr>
<tr>
<td></td>
<td>2Category D, 1000-2¼; Category D, 1000-3.</td>
</tr>
<tr>
<td></td>
<td>3Category C, 1000-2¼; Category D, 1000-3.</td>
</tr>
<tr>
<td></td>
<td>4ILS, LOC, Category C, 1000-2¼; Category D, 1000-3.</td>
</tr>
<tr>
<td><strong>Rome, NY</strong></td>
<td></td>
</tr>
<tr>
<td>Griffiss INTL (RME)</td>
<td>ILS or LOC Rwy 33(^{12}) RNAV (GPS) Rwy 15(^{34}) RNAV (GPS) Rwy 33(^{5})</td>
</tr>
<tr>
<td></td>
<td>1NA when control tower closed.</td>
</tr>
<tr>
<td></td>
<td>2LOC, Category C, 900-2¼; Category D, 1200-3.</td>
</tr>
<tr>
<td></td>
<td>3Category D, 800-2¼.</td>
</tr>
<tr>
<td></td>
<td>4NA when local weather not available.</td>
</tr>
<tr>
<td></td>
<td>5Category C, 900-2¼; Category D, 1200-3.</td>
</tr>
<tr>
<td><strong>Saranac Lake, NY</strong></td>
<td></td>
</tr>
<tr>
<td>Adirondack RGNL (SLK)</td>
<td>ILS or LOC Rwy 23(^{1}) RNAV (GPS) Rwy 5(^{2}) RNAV (GPS) Rwy 9(^{3})</td>
</tr>
<tr>
<td></td>
<td>1LOC, Categories A, B, 1000-2; Category C, 1000-3; Category D, 1100-3.</td>
</tr>
<tr>
<td></td>
<td>2Category A, 900-2; Category B, 1000-2; Category C, 1000-3; Category D, 1100-3.</td>
</tr>
<tr>
<td></td>
<td>3Categories A, B, 1000-2; Category C, 1000-3; Category D, 1100-3.</td>
</tr>
<tr>
<td></td>
<td>4NA when local weather not available.</td>
</tr>
<tr>
<td><strong>Shirley, NY</strong></td>
<td></td>
</tr>
<tr>
<td>Brookhaven (HWV)</td>
<td>RNAV (GPS)-A RNAV (GPS) Rwy 6 RNAV (GPS) Rwy 15 RNAV (GPS) Rwy 33 VOR Rwy 6</td>
</tr>
<tr>
<td></td>
<td>NA when local weather not available.</td>
</tr>
<tr>
<td><strong>Somerville, NJ</strong></td>
<td></td>
</tr>
<tr>
<td>Somerset (SMQ)</td>
<td>RNAV (GPS) Rwy 30(^{2}) VOR Rwy 8(^{1})</td>
</tr>
<tr>
<td></td>
<td>1NA when local weather not available.</td>
</tr>
<tr>
<td></td>
<td>2Categories A, B, 900-2.</td>
</tr>
<tr>
<td><strong>Sussex, NJ</strong></td>
<td></td>
</tr>
<tr>
<td>Sussex (FWN)</td>
<td>RNAV (GPS) Rwy 3(^{2}) VOR-A(^{2})</td>
</tr>
<tr>
<td></td>
<td>NA when local weather not available.</td>
</tr>
<tr>
<td></td>
<td>1Categories A, B, 900-2; Category C, 900-2½.</td>
</tr>
<tr>
<td></td>
<td>2Categories A, B, 1400-2; Category C, 1400-3.</td>
</tr>
<tr>
<td><strong>Teterboro, NJ</strong></td>
<td></td>
</tr>
<tr>
<td>Teterboro (TEB)</td>
<td>ILS or LOC Rwy 6(^{1}) ILS or LOC Rwy 19(^{1}) RNAV (GPS) X Rwy 6(^{2})</td>
</tr>
<tr>
<td></td>
<td>1ILS, Categories A, B, 800-2; Category C, 800-2¼; Category D, 900-2½; Category C, 800-2¼; Category D, 900-2½.</td>
</tr>
<tr>
<td></td>
<td>2Categories A, B, 1000-2; Categories C, D, 1000-3.</td>
</tr>
<tr>
<td></td>
<td>3Category C, 800-2¼; Category D, 900-2½.</td>
</tr>
<tr>
<td></td>
<td>4Categories B, C, D, 1000-3.</td>
</tr>
<tr>
<td></td>
<td>5Category C, 900-2½; Category D, 1100-3.</td>
</tr>
<tr>
<td></td>
<td>6Categories A, B, 1000-2; Category C, 1000-3; Category D, 1100-3.</td>
</tr>
<tr>
<td>NAME</td>
<td>ALTERNATE MINIMUMS</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>TRENTO, NJ</td>
<td></td>
</tr>
<tr>
<td>TRENTO MERCER (TTN)</td>
<td></td>
</tr>
<tr>
<td>ILS or LOC Rwy 6</td>
<td>1</td>
</tr>
<tr>
<td>RNAV (GPS) Rwy 16</td>
<td>2</td>
</tr>
<tr>
<td>RNAV (GPS) Z Rwy 6</td>
<td>2</td>
</tr>
<tr>
<td>RNAV (GPS) Z Rwy 24</td>
<td>23</td>
</tr>
<tr>
<td>VOR or GPS-A</td>
<td>1</td>
</tr>
<tr>
<td>1NA when control tower closed.</td>
<td></td>
</tr>
<tr>
<td>2NA when local weather not available.</td>
<td></td>
</tr>
<tr>
<td>3Category D, 800-2½.</td>
<td></td>
</tr>
<tr>
<td>WATERTOWN, NY</td>
<td></td>
</tr>
<tr>
<td>WATERTOWN INTL (ART)</td>
<td></td>
</tr>
<tr>
<td>ILS or LOC Rwy 7</td>
<td>1</td>
</tr>
<tr>
<td>RNAV (GPS) Rwy 7</td>
<td>2</td>
</tr>
<tr>
<td>RNAV (GPS) Rwy 10</td>
<td>2</td>
</tr>
<tr>
<td>RNAV (GPS) Rwy 28</td>
<td>23</td>
</tr>
<tr>
<td>VOR Rwy 7</td>
<td>4</td>
</tr>
<tr>
<td>1ILS, Categories A, B, C, 700-2; Category D 800-2½; LOC, Category D, 800-2½.</td>
<td></td>
</tr>
<tr>
<td>2Category D, 800-2½.</td>
<td></td>
</tr>
<tr>
<td>3NA when local weather not available.</td>
<td></td>
</tr>
<tr>
<td>4Category D, 800-2½.</td>
<td></td>
</tr>
<tr>
<td>WELLSVILLE, NY</td>
<td></td>
</tr>
<tr>
<td>WELLSVILLE MUNI ARPT, TARANTINE FIELD (ELZ)</td>
<td>RNAV (GPS) Rwy 10</td>
</tr>
<tr>
<td>RNAV (GPS) Rwy 28</td>
<td>2</td>
</tr>
<tr>
<td>Category C, 800-2½; Category D, 1000-3.</td>
<td></td>
</tr>
<tr>
<td>WESTHAMPTON BEACH, NY</td>
<td></td>
</tr>
<tr>
<td>FRANCIS S. GABRESKI (FOK)</td>
<td></td>
</tr>
<tr>
<td>ILS or LOC Rwy 24</td>
<td>1</td>
</tr>
<tr>
<td>RNAV (GPS) Rwy 6</td>
<td>2</td>
</tr>
<tr>
<td>RNAV (GPS) Rwy 24</td>
<td>2</td>
</tr>
<tr>
<td>1NA when control tower closed.</td>
<td></td>
</tr>
<tr>
<td>2ILS, Category C, 700-2, Category D, 700-2½; LOC, Category D, 800-2½.</td>
<td></td>
</tr>
<tr>
<td>3NA when local weather not available.</td>
<td></td>
</tr>
<tr>
<td>WHEELER-SACK AAF (KGTB)</td>
<td></td>
</tr>
<tr>
<td>FORT DRUM, NY</td>
<td></td>
</tr>
<tr>
<td>RNAV (GPS) Rwy 15</td>
<td>1</td>
</tr>
<tr>
<td>RNAV (GPS) Rwy 33</td>
<td>2</td>
</tr>
<tr>
<td>Category D, 800-2½.</td>
<td></td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>NAME</th>
<th>TAKEOFF MINIMUMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AKRON, NY</td>
<td>TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES</td>
</tr>
<tr>
<td>AKRON/JESSON FIELD (9G3)</td>
<td>AMDT 1A 19171 (FAA)</td>
</tr>
<tr>
<td>TAKEOFF OBSTACLE NOTES: Rwy 7, tree, lighting beginning 6’ from DER, 77’ left of centerline, up to 891’ MSL. Lighting 11’ from DER, 78’ right of centerline, 841’ MSL. Vehicles on traverse way beginning 13’ from DER, 206’ right of centerline, up to 15’ AGL/851’ MSL. Trees, vehicles on traverse way beginning 103’ from DER, 160’ right of centerline, up to 15’ AGL/853’ MSL. Trees, vehicles on traverse way beginning 142’ from DER, 170’ left of centerline, up to 15’ AGL/903’ MSL. Transmission line, poles, fence, vehicles on traverse way, trees, stack beginning 187’ from DER, 81’ right of centerline, up to 870’ MSL. Tree 326’ from DER, 489’ left of centerline, 67’ AGL/909’ MSL. Trees beginning 425’ from DER, 17’ left of centerline, up to 100’ AGL/912’ MSL. Poles beginning 1140’ from DER, 98’ right of centerline, up to 887’ MSL. Tree, transmission line beginning 1303’ from DER, 154’ right of centerline, up to 906’ MSL. Trees, transmission lines beginning 1386’ from DER, 115’ right of centerline, up to 912’ MSL. Trees, transmission lines beginning 1555’ from DER, 6’ right of centerline, up to 920’ MSL. Trees beginning 2508’ from DER, 24’ right of centerline, up to 923’ MSL. Trees beginning 2690’ from DER, 284’ right of centerline, up to 924’ MSL.</td>
<td></td>
</tr>
</tbody>
</table>
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

ALBANY, NY
ALBANY INTL (ALB)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 15344 (FAA)
TAKEOFF MINIMUMS: Rw 10, 300-1½ or std. w/min. climb of 365’ per NM to 600. Rw 28, 300-1½ or std. w/min. climb of 458’ per NM to 700.
DEPARTURE PROCEDURE: Rw 10, climb heading 110° to 2000 before turning north. Rw 19, climb heading 191° to 1100 before turning west. Rw 28, climb heading 281° to 2000 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rw 1, trees beginning 1168’ from DER, 640’ right of centerline, up to 113’ AGL/363’ MSL. Trees beginning 2109’ from DER, 581’ left of centerline, up to 102’ AGL/362’ MSL. Rw 10, trees 117’ from DER, 420’ right of centerline, 29’ AGL/300’ MSL. Vehicles on road 304’ from DER, 499’ left of centerline, up to 15’ AGL/290’ MSL. Trees beginning 429’ from DER, 341’ right of centerline, up to 97’ AGL/366’ MSL. Tree 460’ from DER, 616’ left of centerline, 92’ AGL/352’ MSL. Vehicles on road 1461’ from DER, 689’ left of centerline, up to 15’ AGL/315’ MSL. Trees beginning 1534’ from DER, 463’ left of centerline, up to 105’ AGL/403’ MSL. Trees beginning 2595’ from DER, 81’ left of centerline, up to 87’ AGL/401’ MSL. Trees beginning 2738’ from DER, 961’ right of centerline, up to 99’ AGL/398’ MSL. Trees beginning 4626’ from DER, 1167’ right of centerline, up to 93’ AGL/490’ MSL. Trees beginning 4713’ from DER, left and right of centerline, up to 75’ AGL/437’ MSL. Tree 5136’ from DER, 576’ right of centerline, 95’ AGL/510’ MSL. Tree 1.1 NM from DER, 1578’ right of centerline, 87’ AGL/453’ MSL. Rw 19, trees beginning 2510’ from DER, 984’ right of centerline, up to 105’ AGL/394’ MSL. Rw 28, tree 149’ from DER, 355’ left of centerline, 34’ AGL/293’ MSL. Trees beginning 555’ from DER, 459’ right of centerline, up to 36’ AGL/311’ MSL. Terrain 1029’ from DER, 595’ left of centerline, 319’ MSL. Trees beginning 1275’ from DER, 292’ left of centerline up to 97’ AGL/388’ MSL. Trees beginning 1397’ from DER, 531’ right of centerline, up to 104’ AGL/408’ MSL. Trees beginning 2065’ from DER, 696’ left of centerline, up to 100’ AGL/401’ MSL. Trees beginning 2172’ from DER, 706’ right of centerline, up to 98’ AGL/425’ MSL. Trees beginning 2608’ from DER, 217’ right of centerline, up to 102’ AGL/430’ MSL. Trees beginning 2786’ from DER, 78’ left of centerline, up to 97’ AGL/440’ MSL. Trees beginning 3089’ from DER, 2’ right of centerline, up to 64’ AGL/397’ MSL. Trees beginning 4053’ from DER, 1089’ right of centerline, up to 77’ AGL/452’ MSL. Tree 4192’ from DER, 312’ left of centerline, 92’ AGL/461’ MSL. Trees beginning 5258’ from DER, left and right of centerline, up to 102’ AGL/525’ MSL. Trees beginning 1.1 NM from DER, 1416’ right of centerline, up to 90’ AGL/534’ MSL. Trees beginning 1.2 NM from DER, 611’ left of centerline, up to 111’ AGL/473’ MSL.

ALBION, NY
PINE HILL (9G6)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
TAKEOFF MINIMUMS: Rw 10, 300-1½.
DEPARTURE PROCEDURE: Rw 18, climb runway heading to 1000 before proceeding on course.

ANDOVER, NJ
AEROFLUX-ANDOVER (12N)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 19003 (FAA)
TAKEOFF MINIMUMS: Rw 3, 400-2½. Rw 21, 500-3 w/min. climb of 220’ per NM to 900 or 1400-1½ for VCOA.
DEPARTURE PROCEDURE: Rw 3, climb heading 034° to 1200 before proceeding on course. Rw 21, climbing right turn on a heading between 270° CW to 030° from DER to 1700 before proceeding on course. Do not exceed 150K until reaching 1700’ MSL. VCOA: Rw 21, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross AeroFlex- Andover airport at or above 1800 before proceeding on course. Do not exceed 180K until reaching 1800’ MSL.
TAKEOFF OBSTACLE NOTES: Rw 3, trees beginning 13’ from DER, 267’ left of centerline, up to 100’ AGL/678’ MSL. Trees beginning 379’ from DER, 163’ left of centerline, up to 100’ AGL/688’ MSL. Trees beginning 432’ from DER, 582’ right of centerline, up to 100’ AGL/681’ MSL. Trees beginning 662’ from DER, 59’ left of centerline, up to 100’ AGL/704’ MSL. Trees beginning 945’ from DER, 170’ left of centerline, up to 100’ AGL/724’ MSL. Tree 1228’ from DER, 709’ left of centerline, 100’ AGL/737’ MSL. Trees beginning 1311’ from DER, 66’ left of centerline, up to 100’ AGL/688’ MSL. Trees beginning 1510’ from DER, 391’ left of centerline, up to 100’ AGL/744’ MSL. Trees beginning 1831’ from DER, 575’ right of centerline, up to 100’ AGL/707’ MSL. Trees beginning 1793’ from DER, 502’ left of centerline, up to 100’ AGL/753’ MSL. Trees beginning 1898’ from DER, 568’ right of centerline, up to 100’ AGL/730’ MSL. Trees beginning 3291’ from DER, 626’ left of centerline, up to 100’ AGL/770’ MSL. Trees beginning 3574’ from DER, 198’ left of centerline, up to 100’ AGL/793’ MSL. Trees beginning 3856’ from DER, 95’ left of centerline, up to 100’ AGL/819’ MSL. Power lines and transmission lines beginning 4555’ from DER, right and left of centerline, up to 184’ AGL/828’ MSL. Trees beginning 5026’ from DER, 90’ right of centerline, up to 100’ AGL/770’ AGL. Trees beginning 5123’ from DER, 5’ left of centerline, up to 100’ AGL/792’ MSL. CON’T

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

ANDOVER, NJ (CON’T)
AEROFLEX-ANDOVER (12N) (CON’T)

Rwy 21, tree 68' from DER, 78' left of centerline, 100' AGL/639' MSL. Tree 152' from DER, 135' right of centerline, 100' AGL/666' MSL. Tree 236' from DER, 349' right of centerline, 100' AGL/711' MSL. Trees beginning 267' from DER, 189' left of centerline, up to 100' AGL/645' MSL. Trees beginning 320' from DER, 25' right of centerline, up to 100' AGL/740' MSL. Trees beginning 550' from DER, 85' left of centerline, up to 100' AGL/648' MSL. Tree 602' from DER, 453' right of centerline, 100' AGL/744' MSL. Trees beginning 686' from DER, 4' right of centerline, up to 100' AGL/767' MSL. Trees beginning 1116' from DER, 92' left of centerline, up to 100' AGL/668' MSL. Trees beginning 2048' from DER, 210' left of centerline, up to 100' AGL/675' MSL. Tree 3514' from DER, 438' left of centerline, 100' AGL/678' MSL. Tree 3598' from DER, 223' left of centerline, 100' AGL/681' MSL. Trees beginning 3681' from DER, 9' left of centerline, up to 100' AGL/684' MSL. Tree 3964' from DER, 120' left of centerline, 100' AGL/688' MSL. Tree 4614' from DER, 127' left of centerline, 100' AGL/704' MSL. Tree 4813' from DER, 451' left of centerline, 100' AGL/714' MSL. Trees beginning 4896' from DER, 23' left of centerline, up to 100' AGL/730' MSL. Tree 5095' from DER, 562' left of centerline, 100' AGL/737' MSL. Tree 5179' from DER, 348' left of centerline, 100' AGL/763' MSL. Trees beginning 5263' from DER, 133' left of centerline, up to 100' AGL/770' MSL. Tree 5462' from DER, 458' left of centerline, 100' AGL/786' MSL. Trees beginning 5546' from DER, 30' left of centerline, up to 100' AGL/799' MSL. Tree 5745' from DER, 569' left of centerline, 100' AGL/806' MSL. Trees beginning 5828' from DER, 140' left of centerline, up to 100' AGL/822' MSL. Trees beginning 5996' from DER, 73' right of centerline, up to 100' AGL/780' MSL. Trees beginning 1 NM from DER, 37' left of centerline, up to 100' AGL/835' MSL. Trees beginning 1 NM from DER, 177' right of centerline, up to 100' AGL/783' MSL. Trees beginning 1 NM from DER, 44' left of centerline, up to 100' AGL/839' MSL. Trees beginning 1 NM from DER, 66' right of centerline, up to 100' AGL/803' MSL. Trees beginning 1.1 NM from DER, 59' right of centerline, up to 100' AGL/819' MSL. Tree 1.1 NM from DER, 90' left of centerline, 100' AGL/842' MSL. Trees beginning 1.2 NM from DER, 50' left of centerline, up to 100' AGL/852' MSL. Tree 1.2 NM from DER, 102' right of centerline, 100' AGL/826' MSL. Trees beginning 1.2 NM from DER, 488' right of centerline, up to 100' AGL/832' MSL. Trees beginning 1.2 NM from DER, 370' right of centerline, up to 100' AGL/849' MSL.

ATLANTIC CITY, NJ
ATLANTIC CITY INTL (ACY)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 17285 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 4, sign 36' from DER, 303' right of centerline, 4' AGL/69' MSL. Tree 1942' from DER, 803' left of centerline, 127' MSL. Trees beginning 1967' from DER, 703' left of centerline, up to 130' MSL. Tree 2014' from DER, 638' left of centerline, 132' MSL. Trees beginning 2044' from DER, 440' left of centerline, up to 135' MSL. Tree 2593' from DER, 648' right of centerline, 132' MSL. Rwy 13, NAVAID 42' from DER, 149' right of centerline, 2' AGL/65' MSL. Trees beginning 1161' from DER, 710' right of centerline, up to 104' MSL. Trees beginning 1575' from DER, 814' right of centerline, up to 117' MSL. Tree 1788' from DER, 922' right of centerline, 118' MSL. Rwy 22, terrain and NAVAID beginning 5' from DER, 119' right of centerline, up to 63' MSL. Bush 86' from DER, 475' right of centerline, 64' MSL. Poles beginning 219' from DER, 446' left of centerline, up to 32 AGL/88' MSL. Transmission tower and pole beginning 539' from DER, 618' left of centerline, up to 90' MSL. Tree 848' from DER, 714' right of centerline, 84' MSL. Trees beginning 949' from DER, 550' right of centerline, up to 96' MSL. Tree 1186' from DER, 800' right of centerline, 98' MSL. Trees beginning 1402' from DER, 731' left of centerline, up to 116' MSL. Tree 1412' from DER, 853' right of centerline, 104' MSL. Trees beginning 2124' from DER, 271' left of centerline, up to 118' MSL. Tree 2258' from DER, 464' left of centerline, 126' MSL. Rwy 31, light support structure 10' from DER, 6' left of centerline, 2' AGL/76' MSL. Light support structure 11' from DER, 4' right of centerline, 2' AGL/77' MSL. Trees beginning 2405' from DER, 1114' left of centerline, up to 144' MSL.

BATAVIA, NY
GENESEE COUNTY AIRPORT (GVQ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 07214 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 28, terrain 15' from DER, 72' left of centerline, 919' MSL. Terrain 19' from DER, 231' right of centerline. 916' MSL. Multiple trees beginning 608' from DER, 584' left of centerline, up to 100' AGL/1009' MSL. Tower 1789' from DER, 704' left of centerline, 100' AGL/1005' MSL.
BELMAR-FARMINGDALE, NJ

MONMOUTH EXECUTIVE (BLM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3  19171  (FAA)

TAKEOFF MINIMUMS:

Rwy 21, NA - obstacles. Rwy 3, std. w/min. climb of 210’ per NM to 800, or 1000-3 for VCOA.

VCOA: Rwy 3, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Monmouth Executive airport at or above 1000 before proceeding on course.

TAKEOFF OBSTACLE NOTES: Rwy 3, fence abeam DER, 81’ left of centerline, 2’ AGL/150’ MSL. Tree 7’ from DER, 394’ right of centerline, 28’ AGL/157’ MSL. Tree 13’ from DER, 243’ right of centerline, 42’ AGL/178’ MSL. Tree, pole beginning 43’ from DER, 257’ left of centerline, up to 39’ AGL/189’ MSL. Trees beginning 59’ from DER, 191’ right of centerline, up to 41’ AGL/179’ MSL. Trees beginning 112’ from DER, 32’ right of centerline, up to 45’ AGL/186’ MSL. Tree, pole beginning 180’ from DER, 3’ left of centerline, up to 51’ AGL/196’ MSL. Rwy 14, pole 54’ from DER, 342’ left of centerline, 34’ AGL/156’ MSL. Trees beginning 62’ from DER, 63’ right of centerline, up to 41’ AGL/164’ MSL. Trees beginning 161’ from DER, 70’ right of centerline, up to 57’ AGL/177’ MSL. Tree 195’ from DER, 88’ left of centerline, 32’ AGL/162’ MSL. Trees beginning 250’ from DER, 408’ right of centerline, up to 63’ AGL/183’ MSL. Trees beginning 442’ from DER, 423’ right of centerline, up to 75’ AGL/195’ MSL. Trees beginning 627’ from DER, 347’ right of centerline, up to 76’ AGL/196’ MSL. Trees beginning 762’ from DER, 293’ right of centerline, up to 78’ AGL/198’ MSL. Tree 843’ from DER, 50’ left of centerline, 62’ AGL/177’ MSL. Trees beginning 849’ from DER, 382’ right of centerline, up to 76’ AGL/202’ MSL. Trees beginning 928’ from DER, 57’ right of centerline, up to 78’ AGL/203’ MSL. Trees beginning 1137’ from DER, 297’ left of centerline, up to 75’ AGL/184’ MSL. Tree 1556’ from DER, 75’ left of centerline, 63’ AGL/201’ MSL. Trees beginning 1592’ from DER, 48’ left of centerline, up to 65’ AGL/205’ MSL. Tree 1635’ from DER, 179’ left of centerline, 69’ AGL/209’ MSL. Rwy 32, vehicle on road 23’ from DER, 322’ right of centerline, 121’ MSL. Vehicle on road 53’ from DER, 366’ left of centerline, 122’ MSL. Vehicle on road beginning 80’ from DER, 108’ right of centerline, up to 123’ MSL. Trees beginning 107’ from DER, 191’ right of centerline, up to 69’ AGL/176’ MSL. Trees beginning 117’ from DER, 364’ left of centerline, up to 45’ AGL/147’ MSL. Tree 192’ from DER, 490’ left of centerline, 64’ AGL/164’ MSL. Trees beginning 224’ from DER, 94’ left of centerline, up to 68’ AGL/168’ MSL. Trees beginning 1330’ from DER, 30’ right of centerline, up to 99’ AGL/179’ MSL. Trees beginning 1942’ from DER, 188’ left of centerline, up to 102’ AGL/181’ MSL.

BERLIN, NJ

CAMDEN COUNTY (19N)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2  14317  (FAA)

TAKEOFF MINIMUMS: Rwy 5, 600-1½ or std. with a min. climb of 442’ per NM to 700.

DEPARTURE PROCEDURE: Rwy 5, climb heading 050° to 600 before turning on course. Rwy 23, climb heading 230° to 600 before turning on course.

TAKEOFF OBSTACLE NOTES: Rwy 5, poles beginning at 1’ from DER, 199’ left and right of centerline, up to 35’ AGL/179’ MSL. Vehicle on road beginning 76’ from DER, 7’ left and right of centerline, up to 15’ AGL/158’ MSL. Trees beginning 73’ from DER, 204’ left and right of centerline, up to 120’ AGL/271’ MSL. Sign 23 from DER, 97’ right of centerline, up to 6’ AGL/147’ MSL. Towers beginning at 1.2 NM from DER, 246’ left and right of centerline, up to 310’ AGL/500’ MSL. Rwy 23, poles beginning at 183’ from DER, 37’ left and right of centerline, up to 36’ AGL/186’ MSL. Railroad beginning at 103’ from DER, 25’ left and of centerline, up to 17’ AGL/167’ MSL. Trees beginning 4’ from DER, 1’ left and right of centerline, up to 79’ AGL/234’ MSL.

BINGHAMTON, NY

GREATER BINGHAMTON/EDWIN A. LINK FIELD (BGM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 08157  (FAA)

TAKEOFF MINIMUMS:

Rwy 10, trees beginning 143’ from DER, 259’ left of centerline, up to 29’ AGL/157’ MSL. Rwy 16, trees beginning 162’ from DER, 325’ left of centerline, up to 100’ AGL/1669’ MSL. Rwy 28, trees beginning 157’ from DER, 406’ left of centerline, up to 52’ AGL/1602’ MSL. Rwy 34, antenna 216’ from DER, 223’ right of centerline, 93’ AGL/1643’ MSL.

BLAIRSTOWN, NJ

BLAIRSTOWN (1N7)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2  11069  (FAA)

TAKEOFF MINIMUMS:


DEPARTURE PROCEDURE:

Rwy 7, climb heading 074° to 1600 before proceeding on course. Rwy 25, climb heading 254° to 2100 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 7, trees beginning at DER, 276’ right of centerline, up to 100’ AGL/599’ MSL. Trees beginning at DER, 145’ left of centerline, up to 100’ AGL/599’ MSL. Rwy 25, trees beginning at DER, 178’ right of centerline, up to 100’ AGL/559’ MSL. Trees beginning at DER, 220’ left of centerline, up to 100’ AGL/759’ MSL.

BROCKPORT, NY

LEDGEDALE AIRPARK (7G0)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 09015  (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 10, trees beginning 882’ from DER, 566’ left of centerline up to 100’ AGL/764’ MSL. Rwy 28, tree beginning 1820’ from DER, 769’ right of centerline up to 100’ AGL/764’ MSL. Trees beginning 3049’ from DER, 1253’ left of centerline up to 100’ AGL/759’ MSL.
BUFFALO, NY
BUFFALO AIRFIELD (9G0)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 08325 (FAA)
TAKEOFF OBSTACLE NOTES: RwY 6, trees beginning 2296' from DER, 68' left of centerline, up to 100' AGL/770' MSL. Tree 4038' from DER, 1425' right of centerline, 100' AGL/779’ MSL. Trees beginning 3080' from DER, 210' right of centerline, up to 100' AGL/769' MSL. RwY 24, trees beginning 91' from DER, 208' right of centerline, up to 100' AGL/780' MSL. Trees beginning 688' from DER, 112' left of centerline, up to 100' AGL/750' MSL.

BUFFALO NIAGARA INTL (BUF)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 6 12208 (FAA)
TAKEOFF OBSTACLE NOTES: RwY 5, trees beginning 649' from DER, 347' left of centerline, up to 100' AGL/756' MSL. Trees beginning 1449' from DER, 685' right of centerline, up to 100' AGL/787' MSL. RwY 14, trees, poles, signs, and fence 2' from DER, 395' right of centerline, up to 100' AGL/759' MSL. Trees, poles, building, and signs beginning 14' from DER, 17' left of centerline, up to 100' AGL/790' MSL. RwY 23, trees, poles, building, and signs beginning 393' from DER, 108' right of centerline, up to 100' AGL/741' MSL. Trees, poles, building, and signs beginning 14' from DER, 216' left of centerline, up to 100' AGL/732' MSL. RwY 32, trees and poles beginning 632' from DER, 10' right of centerline, up to 100' AGL/753' MSL. Trees and vegetation beginning 16' from DER, 27' left of centerline, up to 100' AGL/758' MSL.

CALDWELL, NJ
ESSEX COUNTY (CDW) (CON’T)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 14317 (FAA)
TAKEOFF OBSTACLE NOTES: RwY 10, trees beginning 76' from DER, 86' left of centerline, up to 96' AGL/267' MSL. Trees, vehicle on road, buildings, poles beginning 592' from DER, 15' left of centerline, up to 242' MSL. Trees, buildings, poles beginning 921' from DER, 22' right of centerline, up to 62' AGL/255' MSL. Trees beginning 1790' from DER, 201' left of centerline, up to 76' AGL/249' MSL. Trees beginning 2287' from DER, 30' right of centerline, up to 259' MSL. Trees beginning 2515' from DER, 32' left of centerline, up to 76' AGL/252' MSL. Trees beginning 3062' from DER, 62' left of centerline, up to 87' AGL/259' MSL. Trees beginning 3093' from DER, 67' right of centerline, up to 264' MSL. Trees beginning 3131' from DER, 86' left of centerline, up to 260' MSL. Trees beginning 3216' from DER, 53' right of centerline, up to 265' MSL. Trees beginning 3360' from DER, 86' left of centerline, up to 96' AGL/267' MSL.

CANANDAIGUA, NY
CANANDAIGUA (IUA)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 18312 (FAA)
TAKEOFF OBSTACLE NOTES: RwY 4, sign 18' from DER, 150' right of centerline, 3' AGL/173' MSL. Tree 20' from DER, 310' left of centerline, 257' MSL. Trees, fence beginning 21' from DER, 24' right of centerline, up to 105' AGL/268' MSL. Trees beginning 324' from DER, 322' left of centerline, up to 272' MSL. Trees, pole, buildings beginning 385' from DER, 2' left of centerline, up to 110' AGL/277' MSL. Trees beginning 3629' from DER, 527' right of centerline, up to 280' MSL. RwY 22, trees, poles, vegetation, buildings, NAVAID, fence, vehicle on road beginning 1' from DER, on centerline, up to 96' AGL/263' MSL. Trees, buildings, poles beginning 952' from DER, 62' right of centerline, up to 269' MSL. Trees, buildings, poles beginning 1101' from DER, 5' right of centerline, up to 270' MSL. Trees, poles, buildings beginning 1464' from DER, 27' left of centerline, up to 273' MSL. Trees beginning 1535' from DER, 249' right of centerline, up to 284' MSL. Trees, buildings beginning 1554' from DER, 358' right of centerline, up to 285' MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

CORTLAND, NY
CORTLAND COUNTY-CHASE FIELD (N03)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
AMDT 3 12152 (FAA)
TAKEOFF MINIMUMS: Rw 6, std. w/min. climb of 328' per NM to 2200, or 1500-3 for climb in visual conditions. Rw 24, 500-2 or std. w/min. climb of 435' per NM to 1800.
DEPARTURE PROCEDURE: Rw 6, climb heading 059° to 2200 before turning; or for climb in visual conditions: cross Cortland County-Chase Field Airport at or above 2500' MSL before proceeding on course. Rw 24, climb heading 239° to 2200 before turning.
TAKEOFF OBSTACLE NOTES: Rw 6, vehicles on roadway, 755' left of DER, across centerline, 15' AGL/1234' MSL. Trees beginning 838' from DER, 415' right of centerline, up to 100' AGL/1299' MSL. Trees beginning 2114' from DER, 326' left of centerline, up to 100' AGL/1339' MSL. Tower 2.5 NM from DER, 595' right of centerline, 192' AGL/1624' MSL. Rw 24, trees beginning 749' from DER, 94' right of centerline, up to 100' AGL/1439' MSL. Vehicles on roadway, 1364' from DER, across centerline, 17' AGL/1236' MSL. Trees beginning 1.01 NM from DER, 1872' right of centerline, up to 100' AGL/1559' MSL.

CROSS KEYS, NJ
CROSS KEYS (17N)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
AMDT 1 09351 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 9, trees beginning 81' from DER, 76' right of centerline, up to 100' AGL/289' MSL. Trees beginning 1914' from DER, 834' left of centerline, up to 100' AGL/279' MSL. Pole 4369' from DER, 643' left of centerline, 147' AGL/303' MSL.
Rw 27, trees beginning 50' from DER, 20' right of centerline, up to 100' AGL/259' MSL. Tree 2099' from DER, 893' left of centerline, 100 AGL/249' MSL.

DANSVILLE, NY
DANSVILLE MUNI (DSV)
DANSVILLE MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
AMDT 2A 17173 (FAA)
TAKEOFF MINIMUMS: Rw 14, std. w/min. climb of 482' per NM to 3000, or 2000-3 for climb in visual conditions. Rw 32, std. w/min. climb of 399' per NM to 2400, or 700-2½ w/min. climb of 321' per NM to 2400, or 2000-3 for climb in visual conditions.
DEPARTURE PROCEDURE: Rw 14, climb heading 137° to 3000 or for climb in visual conditions cross Dansville Muni airport at or above 2500 MSL before proceeding on course. Rw 32, climb heading 317° to 2400 or for climb in visual conditions cross Dansville Muni airport at or above 2500 MSL before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rw 14, vehicle on roadway, at DER, 377' left of centerline, 15' AGL/675' MSL. Trees beginning 7725' from DER, 635' left of centerline, up to 50' AGL/1409' MSL. Vehicle on roadway, 174' from DER, 536' right of centerline, 15' AGL/675' MSL. Trees beginning 1.8 NM from DER, 94' right of centerline, 50' AGL/1349' MSL. Rw 32, vehicle on roadway, 41' from DER, 470' left of centerline, 15' AGL/651' MSL. Trees beginning 8840' from DER, 1396' left of centerline, up to 50' AGL/1249' MSL.

DUNKIRK, NY
CHAUTAUQUA COUNTY/ DUNKIRK (DVK)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
AMDT 3 18032 (FAA)
TAKEOFF MINIMUMS: Rw 6, std. or 2300-3 for climb in visual conditions. Rw 15, std. w/min. climb of 455' per NM to 2500 or 2300-3 for climb in visual conditions. Rw 24, std. w/min. climb of 220' per NM to 2500 or 2300-3 for climb in visual conditions. Rw 33, std. w/min. climb of 250' per NM to 2000 or 2300-3 for climb in visual conditions.
DEPARTURE PROCEDURE: Rw 6, climb heading 059° to 1900 before turning. Rw 15, climb heading 149° to 3400 before turning. Rw 24, climb heading 239° to 2600 before turning. Rw 33, climb heading 329° to 1900 before turning.
VCOA: Rwys 6, 15, 24, 33, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Chautauqua County / Dunkirk airport at or above 2800 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rw 6, NAVAID 11' from DER, 91' left of centerline, 3' AGL/663' MSL. Lighting 11' from DER, 30' right of centerline, 1' AGL/662' MSL. Tree 657' from DER, 104' left of centerline, 696' MSL. Trees beginning 1150' from DER, 48' right of centerline, up to 704' MSL. Trees beginning 756' from DER, 56' left of centerline, up to 730' MSL. Tree 849' from DER, 298' right of centerline, 711' MSL. Trees beginning 866' from DER, 228' right of centerline, up to 717' MSL. Trees and poles beginning 964' from DER, 13' left of centerline, up to 736' MSL. Trees beginning 1150' from DER, 48' right of centerline, up to 721' MSL. Trees and poles beginning 1303' from DER, 27' right of centerline, up to 728' MSL. Trees beginning 2376' from DER, 383' right of centerline, up to 741' MSL. Trees and pole beginning 2424' from DER, 39' right of centerline, up to 761' MSL. Tree 2736' from DER, 44' left of centerline, 740' MSL. Trees beginning 2807' from DER, 66' left of centerline, up to 743' MSL. Tree 3298' from DER, 990' left of centerline, 746' MSL. Tree 3418' from DER, 1240' left of centerline, 749' MSL. Rw 35, electrical system 2' from DER, 156' right of centerline, 2' AGL/694' MSL. Tree 5' from DER, 32' left of centerline, 1061' MSL. Tree 7' from DER, 673' right of centerline, 1061' MSL. Electrical system 9' from DER, 29' left of centerline, 3' AGL/695' MSL. Tree 33' from DER, 949' right of centerline, 1062' MSL. Tree and vegetation beginning 102' from DER, 423' left of centerline, up to 1058' MSL. Tree 126' from DER, 2852' right of centerline, 1079' MSL. Trees beginning 168' from DER, 1267' right of centerline, up to 1108' MSL. Trees and fence beginning 349' from DER, 260' right of centerline, up to 1118' MSL. Trees beginning 362' from DER, 173' left of centerline, up to 1071' MSL. Trees beginning 514' from DER, 594' right of centerline, up to 773' MSL. Trees beginning 537' from DER, 3296' right of centerline, up to 1122' MSL. Tree 566' from DER, 661' left of centerline, 1090' MSL. Trees beginning 620' from DER, 2278' right of centerline, 1067' MSL. Tree 667' from DER, 1055' left of centerline, 1091' MSL. Trees beginning 718' from DER, 259' right of centerline, up to 1155' MSL. Trees beginning 740' from DER, 130' left of centerline, up to 1098' MSL. Trees beginning 860' from DER, 219' left of centerline, up to 1105' MSL. Tree 893' from DER, 250' left of centerline, 744' MSL. Tree 948' from DER, 608' left of centerline, 765' MSL. Tree 951' from DER, 1814' left of centerline, 1101' MSL. Tree 1057' from DER, 190' left of centerline, 731' MSL. Trees beginning 1183' from DER, 1274' left of centerline, up to 1131' MSL. Tree 1227' from DER, 111' right of centerline, 748' MSL. Tree 1237' from DER, 3974' right of centerline, 1140' MSL. CON'T
DUNKIRK, NY (CON’T)
CHAUTAUQUA COUNTY/ DUNKIRK (DKK)
(CON’T)

Rwy 15 (CON’T), tree 1259’ from DER, 1505’ right of centerline, 1144’ MSL. Tree 1263’ from DER, 9’ right of centerline, 1277’ MSL. Tree 1279’ from DER, 156’ left of centerline, 1152’ MSL. Tree 1279’ from DER, 156’ left of centerline, 766’ MSL. Trees beginning 1286’ from DER, 681’ right of centerline, up to 1159’ MSL. Trees beginning 1283’ from DER, 46’ left of centerline, up to 1145’ MSL. Tree, pole, and transmission line beginning 1324’ from DER, 82’ right of centerline, up to 745’ MSL. Tree 1359’ from DER, 3174’ right of centerline, 1143’ MSL. Tree 1407’ from DER, 3804’ right of centerline, 1149’ MSL. Tree 1453’ from DER, 105’ right of centerline, 749’ MSL. Tree 1462’ from DER, 282’ left of centerline, 746’ MSL. Vegetation 1465’ from DER, 4041’ left of centerline, 100’ AGL/1111’ MSL. Trees beginning 1470’ from DER, 105’ right of centerline, up to 757’ MSL. Tree 1509’ from DER, 173’ left of centerline, 739’ MSL. Tree 1539’ from DER, 224’ right of centerline, 1124’ MSL. Trees beginning 1550’ from DER, 262’ left of centerline, up to 1160’ MSL. Tree 1599’ from DER, 2403’ right of centerline, 1167’ MSL. Trees beginning 1637’ from DER, 165’ right of centerline, up to 1168’ MSL. Vegetation and trees beginning 1666’ from DER, 91’ right of centerline, up to 100’ AGL/1193’ MSL. Tree 1701’ from DER, 429’ left of centerline, 1168’ MSL. Tree 1759’ from DER, 271’ right of centerline, 762’ MSL. Trees beginning 1768’ from DER, 663’ left of centerline, up to 1171’ MSL. Trees beginning 1770’ from DER, 411’ left of centerline, 1142’ MSL. Trees beginning 1805’ from DER, 662’ left of centerline, 769’ MSL. Trees beginning 1806’ from DER, 2070’ right of centerline, up to 1179’ MSL. Tree 1826’ from DER, 742’ right of centerline, 767’ MSL. Vegetation 1832’ from DER, 4014’ left of centerline, 100’ AGL/1134’ MSL. Tree 1838’ from DER, 2116’ left of centerline, 1156’ MSL. Trees beginning 1853’ from DER, 153’ right of centerline, up to 1174’ MSL. Tree, vegetation beginning 1867’ from DER, 504’ left of centerline, up to 1173’ MSL. Trees beginning 1894’ from DER, 2679’ right of centerline, up to 1179’ MSL. Tree 1952’ from DER, 2435’ right of centerline, 1184’ MSL. Vegetation and tree beginning 2041’ from DER, 734’ right of centerline, up to 100’ AGL/1193’ MSL. Trees beginning 2135’ from DER, 308’ left of centerline, up to 1207’ MSL. Trees beginning 2191’ from DER, 883’ right of centerline, up to 1199’ MSL. Tree 2273’ from DER, 351’ left of centerline, 779’ MSL. Trees and vegetation beginning 2284’ from DER, 1172’ left of centerline, up to 1210’ MSL. Vegetation and trees beginning 2310’ from DER, 909’ right of centerline, up to 100’ AGL/1219’ MSL. Tree 2386’ from DER, 307’ left of centerline, 792’ MSL. Tree 2391’ from DER, 967’ left of centerline, 804’ MSL. Vegetation beginning 2416’ from DER, 4010’ right of centerline, up to 100’ AGL/1223’ MSL. Tree 2419’ from DER, 2817’ left of centerline, 1155’ MSL. Trees beginning 2467’ from DER, 134’ left of centerline, up to 795’ MSL. Vegetation 2549’ from DER, 4328’ left of centerline, 100’ AGL/1150’ MSL. Tree 2550’ from DER, 326’ left of centerline, 783’ MSL. Tree 2553’ from DER, 528’ left of centerline, 800’ MSL. Trees beginning 2557’ from DER, 600’ right of centerline, up to 1227’ MSL. Trees beginning 2565’ from DER, 1135’ right of centerline, up to 1223’ MSL. Trees beginning 2632’ from DER, 2545’ right of centerline, up to 1230’ MSL. Tree 2633’ from DER, 266’ left of centerline, 779’ MSL. Trees beginning 2647’ from DER, 84’ left of centerline, up to 809’ MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

DUNKIRK, NY (CON’T)
CHAUTAUQUA COUNTY/DUNKIRK (DKK)
(CON’T)

Rwy 24 (CON’T), trees beginning 3573’ from DER, 370’ left of centerline, up to 785’ MSL. Trees beginning 3665’ from DER, 875’ left of centerline, up to 788’ MSL.

Rwy 33, vegetation 7’ from DER, 436’ left of centerline, 674’ MSL. Tree 912’ from DER, 29’ left of centerline, 691’ MSL. Trees beginning 945’ from DER, 148’ left of centerline, up to 694’ MSL. Tree 957’ from DER, 65’ right of centerline, 685’ MSL. Tree 1080’ from DER, 234’ left of centerline, 704’ MSL. Trees beginning 1161’ from DER, 178’ left of centerline, up to 721’ MSL. Trees beginning 1183’ from DER, 110’ right of centerline, up to 715’ MSL. Trees beginning 1622’ from DER, 46’ left of centerline, up to 722’ MSL. Tree 2189’ from DER, 287’ right of centerline, 719’ MSL. Tree 2290’ from DER, 19’ right of centerline, 724’ MSL. Tree 2366’ from DER, 150’ right of centerline, 727’ MSL. Tree 2401’ from DER, 11’ right of centerline, 735’ MSL. Tree 2516’ from DER, 11’ left of centerline, 724’ MSL. Tree 2523’ from DER, 927’ left of centerline, 730’ MSL. Tree 3236’ from DER, 190’ right of centerline, 747’ MSL.

EAST HAMPTON, NY
EAST HAMPTON (HTO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3A 16063 (FAA)

TAKEOFF MINIMUMS: Rwy 34, 300-1/4 or std. w/ min. climb of 430’ per NM to 400.

TAKEOFF OBSTACLE NOTES: Rwy 10, tree and vehicles on roadway beginning 107’ from DER, 259’ left of centerline, up to 52’ AGL/85’ MSL. Tree and vehicles on roadway beginning 297’ from DER, on centerline, up to 52’ AGL/79’ MSL. Trees beginning 370’ from DER, 296’ left of centerline, up to 60’ AGL/93’ MSL. Trees beginning 580’ from DER, 290’ right of centerline, up to 61’ AGL/88’ MSL. Tree 1105’ from DER, 427’ left of centerline, 56’ AGL/95’ MSL. Trees beginning 1131’ from DER, 405’ left of centerline, up to 59’ AGL/98’ MSL. Trees beginning 1493’ from DER, 89’ left of centerline, up to 65’ AGL/100’ MSL. Trees beginning 1862’ from DER, 386’ left of centerline, up to 66’ AGL/102’ MSL. Tree 2227’ from DER, 520’ right of centerline, 58’ AGL/90’ MSL.

Rwy 16, tree and vehicles on roadway beginning 177’ from DER, 122’ right of centerline, up to 44’ AGL/78’ MSL. Tree 375’ from DER, 195’ left of centerline, 35’ AGL/62’ MSL. Tree 607’ from DER, 205’ left of centerline, 49’ AGL/75’ MSL. Tree and railroad beginning 770 from DER, 4’ left of centerline, up to 50’ AGL/76’ MSL. Rwy 28, trees beginning 53’ from DER, 289’ left of centerline, up to 49’ AGL/103’ MSL. Trees beginning 221’ from DER, 290’ right of centerline, up to 49’ AGL/107’ MSL. Tree 658’ from DER, 397’ right of centerline, 57’ AGL/117’ MSL. Trees beginning 786’ from DER, 303’ left of centerline, up to 52’ AGL/115’ MSL. Trees 1034’ from DER, 421’ right of centerline, up to 59’ AGL/123’ MSL. Trees beginning 1170’ from DER, 261’ right of centerline, up to 67’ AGL/128’ MSL. Trees beginning 1691’ from DER, 5’ right of centerline, up to 63’ AGL/133’ MSL. Tree 1698’ from DER, 592’ left of centerline, 57’ AGL/126’ MSL. Tree 2171’ from DER, 668’ left of centerline, 64’ AGL/133’ MSL. Trees beginning 2353’ from DER, 308’ left of centerline, up to 67’ AGL/137’ MSL. Trees beginning 2695’ from DER, 283’ left of centerline, up to 66’ AGL/138’ MSL.

EAST HAMPTON, NY (HTO)

Rwy 28 (CON’T), trees beginning 3245’ from DER, 336’ right of centerline, up to 65’ AGL/143’ MSL. Rwy 34, tree and vehicles on roadway beginning 54’ from DER, on centerline, up to 43’ AGL/81’ MSL. Tree 103’ from DER, 151’ left of centerline, 36’ AGL/76’ MSL. Tree 354’ from DER, 188’ left of centerline, 41’ AGL/81’ MSL. Tree 654’ from DER, 212’ left of centerline, 48’ AGL/86’ MSL. Powerlines beginning 1264’ from DER, left and right of centerline, up to 132’ AGL/176’ MSL. Tree 2499’ from DER, 498’ left of centerline, 36’ AGL/144’ MSL. Tree 3947’ from DER, 1539’ left of centerline, 100’ AGL/259’ MSL. Tree 6049’ from DER, 1980’ left of centerline, 100 AGL/239’ MSL.

ELLENVILLE, NY

JOSEPH Y RESNICK (N89)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 12320 (FAA)
TAKEOFF MINIMUMS: Rwy 4, 400-1/4 w/min. climb of 402’ per NM to 4300 or std. w/min. climb of 490’ per NM to 4300 or 2700-3 for climb in visual conditions. Rwy 22, std. w/min. climb of 470’ per NM to 2000 or 2700-3 for climb in visual conditions.

DEPARTURE PROCEDURE: Rwy 4, climb on heading 047° to 4300’ before proceeding on course or for climb in visual conditions, cross Joseph Y Resnick airport at or above 2800 before proceeding on course. When executing VCOA, notify ATC prior to departure. Rwy 22, climb on heading 235° to 2900’ before proceeding on course or for climb in visual conditions, cross Joseph Y Resnick airport at or above 2800 before proceeding on course. When executing VCOA, notify ATC prior to departure.

TAKEOFF OBSTACLE NOTES: Rwy 4, trees 20’ from DER, 11’ right of centerline, up to 109’ AGL/419’ MSL. Trees 1187’ from DER, 456’ left of centerline, up to 109’ AGL/399’ MSL. Trees 2154’ from DER, 416’ right of centerline, 109’ AGL/379’ MSL. Trees 2982’ from DER, 780’ left of centerline, 109’ AGL/399’ MSL. Trees 4024’ from DER, 1005’ left of centerline, 109’ AGL/419’ MSL.

Rwy 22, trees beginning at DER, 175’ right of centerline, up to 109’ AGL/419’ MSL. Trees beginning at DER, 288’ left of centerline, up to 109’ AGL/419’ MSL. Pole 2196’ from DER, 169’ left of centerline, 84’ AGL/384’ MSL.
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

ELMIRA, NY
ELMIRA/CORNING RGNL (ELM)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 10 19171 (FAA)
TAKEOFF MINIMUMS: Rwys 5, 23, NA-ATC. Rwys 6, 24, 28, std. w/min. climb of 250' per NM to 1500.
Rwy 10, 500-2 w/min. climb of 270' per NM to 2200 or std. w/min. climb of 420' per NM to 1500, or 2100-3 for VCOA.
Rwy 24, std. w/min. climb of 420' per NM to 2300, or 2100-3 for VCOA. Rwy 28, 900-3 w/min. climb of 380' per NM to 2400 or std. w/min. climb of 650' per NM to 2100, or 2100-3 for VCOA.

DEPARTURE PROCEDURE: Rwys 6, climb heading 062° to 2100 before proceeding on course. Rwys 10, climb heading 101° to 2500 before proceeding on course. Rwys 24, climb heading 242° to 2600 before proceeding on course. Rwys 28, climb heading 281° to 2300 before proceeding on course.
VCOA: Rwys 10, 24, 28, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Elmira/Corning Rgnl airport at or above 2900 ft above centerline.
TAKEOFF OBSTACLE NOTES: Rwys 6, tree 581' from DER, 655' left of centerline, 25' AGL/976' MSL. Tree 582' from DER, 513' left of centerline, 994' MSL. Pole 597' from DER, on centerline, 20' AGL/970' MSL. Trees beginning 1657' from DER, 820' left of centerline, up to 1025' MSL. Trees beginning 3057' from DER, 383' right of centerline, up to 1039' MSL. Tree 3434' from DER, 192' right of centerline, 1044' MSL. Trees beginning 1.3 NM from DER, 2285' left of centerline, 1213' MSL. Trees beginning 1.4 NM from DER, 2277' left of centerline, 1318' MSL. Trees beginning 1.5 NM from DER, 1755' left of centerline, up to 1363' MSL. Trees, terrain beginning 1.9 NM from DER, 1471' left of centerline, up to 1371' MSL. Trees, poles beginning 2 NM from DER, 1776' left of centerline, up to 1412' MSL. Trees beginning 2.1 NM from DER, 2282' left of centerline, up to 1423' MSL. Rwys 10, fence 25' from DER, 494' left of centerline, 4' AGL/947' MSL. Tree 549' from DER, 37' left of centerline, 969' MSL. Tree 656' from DER, 329' left of centerline, 884' MSL. Tree 701' from DER, 488' right of centerline, 969' MSL. Tree 767' from DER, 666' left of centerline, 987' MSL. Trees, poles beginning 782' from DER, 67' left of centerline, up to 998' MSL. Tree 819' from DER, 413' right of centerline, 975' MSL. Trees beginning 888' from DER, 110' right of centerline, up to 979' MSL. Tree 1317' from DER, 613' right of centerline, 987' MSL. Poles beginning 1351' from DER, 125' right of centerline, up to 51' AGL/998' MSL. Pole 1743' from DER, 937' left of centerline, 38' AGL/999' MSL. Poles, building beginning 1800' from DER, 235' left of centerline, up to 41' AGL/1000' MSL. Tree 2051' from DER, 552' right of centerline, 1006' MSL. Building, poles beginning 2154' from DER, 129' left of centerline, up to 47' AGL/1011' MSL. Poles, building beginning 2383' from DER, 427' left of centerline, up to 50' AGL/1015' MSL. Tree 2519' from DER, 616' right of centerline, 1012' MSL. Poles beginning 2604' from DER, 304' left of centerline, up to 53' AGL/1021' MSL. Pole 2703' from DER, 1215' left of centerline, 53' AGL/1020' MSL. Tree 2737' from DER, 584' right of centerline, 1013' MSL. Pole 2965' from DER, 1221' left of centerline, 52' AGL/1021' MSL. Tree 5322' from DER, 1786' right of centerline, 1096' MSL. Trees beginning 5460' from DER, 1787' right of centerline, up to 1152' MSL. Tree 5617' from DER, 1992' right of centerline, 1160' MSL.

CAUTION: Extensive glider activity in vicinity of airport.
ENDICOTT, NY
TRI-CITIES (CZG)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 10154 (FAA)
TAKEOFF MINIMUMS: RwY 3, std. w/ min. climb of 515’ per NM to 1700 or 700-2 with min. climb of 242 to 2000 or 1600-2 ½ for climb in visual conditions. RwY 21, std. w/ min. climb of 604’ per NM to 2100 or 900-3 with min. climb of 470 to 2200 or 1600-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: RwY 3, climb heading 036° to 2000 before proceeding on course or for climb in visual conditions: cross Tri-Cities airport at or above 2300 before proceeding on course. RwY 21, climb heading 216° to 2200 before proceeding on course or for climb in visual conditions: cross Tri-Cities airport at or above 2300 before proceeding on course.

TAKEOFF OBSTACLE NOTES: RwY 3, tree 1’ from DER, 418’ left of centerline, 78’ AGL/907’ MSL. Multiple trees and train on tracks beginning 163’ from DER, 56’ left of centerline, up to 110’ AGL/1469’ MSL. Multiple trees and tower beginning 1699’ from DER, 259’ right of centerline, up to 106’ AGL/915’ MSL. RwY 21, multiple trees, pole and tower beginning 51’ from DER, 63’ left of centerline, up to 84’ AGL/1473’ MSL. Multiple trees beginning 751’ from DER, 73’ right of centerline, up to 86’ AGL/1175’ MSL.

FARMINGDALE, NY
REPUBLIC (FRG)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 7 15008 (FAA)
TAKEOFF MINIMUMS: RwY 1, 300-1¼ or std. with a min. climb of 220’ per NM to 300, or alternatively, with standard takeoff minimums and a normal 200’ per NM climb gradient, takeoff must occur no later than 1500’ prior to DER. RwY 32, 300-1½ or std. w/ min. climb of 215’ per NM to 400, or alternatively, with standard takeoff minimums and a normal 200’ per NM climb gradient, takeoff must occur no later than 1500’ prior to DER.

DEPARTURE PROCEDURE: RwY 1, climb heading 013° to 700 before turning left. RwY 32, climb heading 326° to 700 before turning right.

TAKEOFF OBSTACLE NOTES: RwY 1, fence 3’ from DER, 421’ left of centerline, 9’ AGL/88’ MSL. Building, stack and trees beginning 264’ from DER, 246’ right of centerline, up to 55’ AGL/134’ MSL. Trees beginning 315’ from DER, 568’ right of centerline, up to 76’ AGL/155’ MSL. Pole and trees beginning 1266’ from DER, 279’ right of centerline, up to 54’ AGL/137’ MSL. Tank, elevator and trees beginning 1382’ from DER, 447’ left of centerline, up to 69’ AGL/141’ MSL. Tank 5858’ from DER, 1440’ left of centerline, 151’ AGL/244’ MSL. RwY 14, pole and vehicles on road beginning 181’ from DER, 73’ right of centerline, up to 17’ AGL/74’ MSL. Trees beginning 534’ from DER, 97’ left of centerline, up to 33’ AGL/88’ MSL. Trees beginning 915’ from DER, 24’ right of centerline, up to 66’ AGL/119’ MSL. Pole and trees beginning 1124’ from DER, 245’ left of centerline, up to 50’ AGL/104’ MSL. Trees 2135’ from DER, 331’ left of centerline, up to 77’ AGL/124’ MSL.

FARMINGDALE, NY (CON’T)
REPUBLIC (FRG) (CON’T)
RwY 19, sign, building, poles, and trees beginning 77’ from DER, 208’ right of centerline, up to 43’ AGL/102’ MSL. Trees beginning 182’ from DER, 498’ left of centerline, up to 43’ AGL/100’ MSL. Pole and trees beginning 879’ from DER, 14’ right of centerline, up to 56’ AGL/115’ MSL. Poles and trees beginning 1207’ from DER, 308’ left of centerline, up to 70’ AGL/124’ MSL. Tower 2453’ from DER, 318’ right of centerline, 84’ AGL/141’ MSL. RwY 32, fence 146’ from DER, 243’ right of centerline, 12’ AGL/88’ MSL. Pole 329’ from DER, 451’ left of centerline, 30’ AGL/103’ MSL. Building and poles beginning 1489’ from DER, 188’ left of centerline, up to 69’ AGL/142’ MSL. Trees 1690’ from DER, 22’ right of centerline, up to 52’ AGL/124’ MSL. Tank 1.3 NM from DER, 1122’ left of centerline, 107’ AGL/296’ MSL.

FISHERS ISLAND, NY
ELIZABETH FIELD (0BB)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 99837 (FAA)
TAKEOFF MINIMUMS: RwY 7, 300-1 or std. with a min. climb of 300’ per NM to 300. TAKEOFF OBSTACLE NOTES: RwY 7, 15’ AGL bunker 25’ from DER, right of centerline.

FULTON, NY
OSWEGO COUNTY (FZY)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 01137 (FAA)
TAKEOFF MINIMUMS: RwY 6, 300-1 or std. with a min. climb gradient of 270’ per NM to 900. TAKEOFF OBSTACLE NOTES: RwY 6, hill 1400’ from DER, on centerline 50’ AGL/549’ MSL. RwY 15, trees 1700’ from DER, on centerline 85’ AGL/560’ MSL. RwY 24, trees 1350’ from DER, on centerline 60’ AGL/517’ MSL. RwY 33, road 400’ from DER, on centerline 15’ AGL/462’ MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

GLEN'S FALLS, NY
FLOYD BENNETT MEMORIAL (GFL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 10350 (FAA)
TAKEOFF MINIMUMS: Rwy 1, std. w/ min. climb of 385' per NM to 2500 or 2000-3 for climb in visual conditions. Rwy 12, std. w/ min. climb of 304' per NM to 1800 or 2000-3 for climb in visual conditions. Rwy 30, std. w/min. climb of 345' per NM to 2500 or 2000-3 for climb in visual conditions.
DEPARTURE PROCEDURE: Rwy 1, climbing right turn to 2500 direct GANSE (GF) LOM before proceeding on course. For climb in visual conditions: cross Floyd Bennett Memorial Airport at or above 2200 MSL before proceeding on course. Rwy 12, climbing right turn to 1800 direct GANSE (GF) LOM before proceeding on course. For climb in visual conditions: cross Floyd Bennett Memorial Airport at or above 2200 MSL before proceeding on course. Rwy 19, climb heading 192° to 1400 before proceeding on course. Rwy 30, climbing left turn to 2500 direct GANSE (GF) LOM before proceeding on course. For climb in visual conditions: cross Floyd Bennett Memorial Airport at or above 2200 MSL before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rwy 1, trees beginning 1185' from DER, 65' left of centerline, up to 88' AGL/535' MSL. Multiple towers beginning 5140' from DER, 5' left of centerline, up to 69' AGL/498' MSL. Rwy 12, trees beginning 852' from DER, 115' left of centerline, up to 77' AGL/416' MSL. Vehicles on road and trees beginning 378' from DER, 3' right of centerline, up to 80' AGL/429' MSL. Rwy 19, trees beginning 703' from DER, 121' left of centerline, up to 65' AGL/454' MSL. Bush and trees beginning 73' from DER, 46' right of centerline, up to 77' AGL/456' MSL. Rwy 30, trees beginning 89' from DER, 20' left of centerline, up to 93' AGL/458' MSL. Trees beginning 1281' from DER, 32' right of centerline, up to 89' AGL/472' MSL.

HAMILTON, NY
HAMILTON MUNI (VGC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 5 12152 (FAA)
TAKEOFF MINIMUMS: Rwy 17, std. w/min. climb of 420' per NM to 2200 or 1500-3 for climb in visual conditions. Rwy 36, NA-Obstacles.
DEPARTURE PROCEDURE: Rwy 17, climb heading 165° to 2900 before proceeding on course or for climb in visual conditions. Tree 806 from DER, 66' right of centerline, up to 74' AGL/1257' MSL. Tree 564' from DER, 143' right of centerline, up to 100' AGL/1497' MSL.

HAMILTON, NY
HAMILTON MUNI (VGC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 19283 (FAA)
TAKEOFF MINIMUMS: Rwy 17, 500-2¾ or std. w/min. climb of 615' per NM to 1600, or 1300-3 for VCOA. Rwy 35, std. w/min. climb of 405 to 2300, or 1300-3 for VCOA.
DEPARTURE PROCEDURE: Rwy 17, climb heading 170° to 2000 before proceeding on course. Rwy 35, climb heading 350° to 1700 before proceeding on course.
VCOA: Rwy 17/35, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Hamilton Muni Airport at or above 2300 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rwy 17, tree 138' from DER, 301' right of centerline, 85' AGL/1205' MSL. Tree, pole beginning 179' from DER, 253' left of centerline, up to 49' AGL/1168' MSL. Tree 374' from DER, 362' right of centerline, 89' AGL/1209' MSL. Trees beginning 588' from DER, 234' right of centerline, up to 92' AGL/1212' MSL. Tree 958' from DER, 407' left of centerline, 54' AGL/1173' MSL. Trees, poles beginning 1007' from DER, 138' left of centerline, up to 84' AGL/1202' MSL. Tree 3172' from DER, 932' right of centerline, 82' AGL/1255' MSL. Tree 3174' from DER, 1342' right of centerline, 65' AGL/1332' MSL. Tank 3846' from DER, 1435' right of centerline, 42' AGL/1358' MSL.
ITHACA, NY
ITHACA TOMPKINS RGNL (ITH)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 5 100980 (FAA)
TAKEOFF MINIMUMS: Rwy 14, Std. w/min. climb of 350’ per NM to 2400 or 1500-3 for climb in visual conditions. Rwys 15, 33, NA-Environmental.
DEPARTURE PROCEDURE: Rwy 14, Climb heading 145° to 2400 before turning left or for climb in visual conditions. Rwy 32, Climb heading 325° to 1600 before proceeding on course.

JAMESTOWN, NY
CHAUTAUQUA COUNTY/JAMESTOWN (JHW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 6A 19171
TAKEOFF MINIMUMS: Rwy 31, 200-11/ or std. w/min. climb of 220’ per NM to 2000.
TAKEOFF OBSTACLE NOTES: Rwy 7, lighting 3’ from DER, 5’ left of centerline, 2 AGL/1720’ MSL. Sign 20’ from DER, 249’ left of centerline, 7’ AGL/1722’ MSL. Vehicles on roadway beginning 299’ from DER, crossing extended runway centerline, up to 15’ AGL/1734’ MSL. Trees beginning 495’ from DER, 525’ left of centerline, up to 50’ AGL/1749’ MSL. Rwy 13, electrical system at DER, 265’ left of centerline, 1710’ MSL. Sign 5’ from DER, 10’ right of centerline, 1700’ MSL. Vehicles on roadway 69’ from DER, 322’ right of centerline, 1710’ MSL. Trees beginning 81’ from DER, 495’ left of centerline, up to 55’ AGL/1755’ MSL. Terrain beginning 172’ from DER, 289’ right of centerline, up to 1714’ MSL. Tree 232’ from DER, 491’ right of centerline, 1768’ MSL. Fence 257’ from DER, 499’ right of centerline, 1715’ MSL. Terrain 307’ from DER, 375’ right of centerline, 1717’ MSL. Fence, vehicles on roadway beginning 387’ from DER, 363’ right of centerline, up to 1725’ MSL. Tree, pole, building beginning 401’ from DER, 331’ left of centerline, up to 57’ AGL/1766’ MSL. Vehicles on roadway 436’ from DER, 501’ right of centerline, 1733’ MSL. Pole 457’ from DER, 599’ right of centerline, 31’ AGL/1751’ MSL. Building, fence, vehicles on roadway, tree, pole beginning 527’ from DER, 186’ right of centerline, up to 46’ AGL/1768’ MSL. Trees beginning 850’ from DER, 11’ left of centerline, up to 1774’ MSL. Building, pole beginning 1065’ from DER, 308’ right of centerline, up to 45’ AGL/1770’ MSL. Tree 1301’ from DER, 724’ right of centerline, 1804’ MSL. Tree, pole, building beginning 1361’ from DER, 4’ right of centerline, up to 88’ AGL/1819’ MSL. Trees beginning 2358’ from DER, 316’ left of centerline, up to 1779’ MSL. Tree 2432’ from DER, 924’ left of centerline, 1785’ MSL. Trees beginning 2485’ from DER, 449’ left of centerline, up to 1788’ MSL. Trees beginning 2610’ from DER, 4’ left of centerline, up to 1793’ MSL. Trees beginning 2750’ from DER, 103’ left of centerline, up to 1797’ MSL. Trees beginning 2851’ from DER, 507’ left of centerline, up to 1798’ MSL. Tree 2959’ from DER, 611’ left of centerline, 1802’ MSL. Trees beginning 2966’ from DER, 694’ left of centerline, up to 1804’ MSL. Trees beginning 3004’ from DER, 556’ left of centerline, up to 1805’ MSL. Trees beginning 3149’ from DER, 621’ left of centerline, up to 1808’ MSL. Trees beginning 3806’ from DER, 1’ left of centerline, up to 1813’ MSL. Tree 4208’ from DER, 38’ left of centerline, 1816’ MSL. Trees beginning 4322’ from DER, 179’ left of centerline, 1822’ MSL. Trees beginning 4376’ from DER, 159’ left of centerline, up to 1825’ MSL. Rwy 25, lighting 10’ from DER, 29’ left of centerline, 2’ AGL/1722’ MSL. Lighting 10’ from DER, 30’ right of centerline, 2’ AGL/1722’ MSL. Building 424’ from DER, 261’ left of centerline, 1’ AGL/1733’ MSL. Tree 733’ from DER, 654’ left of centerline, 84’ AGL/1753’ MSL. Tree 762’ from DER, 662’ left of centerline, 1756’ MSL. Rwy 31, sign 23’ from DER, 200’ left of centerline, 1724’ MSL. Terrain beginning 29’ from DER, 303’ left of centerline, up to 1736’ MSL. Trees beginning 466’ from DER, 464’ right of centerline, up to 73’ AGL/1781’ MSL. Tree, terrain beginning 83’ from DER, 423’ left of centerline, up to 1740’ MSL. Fence, terrain beginning 133’ from DER, 316’ left of centerline, up to 1747’ MSL. Trees beginning 194’ from DER, 460’ right of centerline, up to 72’ AGL/1765’ MSL. Fence 338’ from DER, 500’ left of centerline, 1751’ MSL. CON’T
JAMESTOWN, NY
CHAUTAUQUA COUNTY/JAMESTOWN (JHW)

Rwy 31 (CON’T), fence, tree, terrain beginning 354’ from DER, 471’ left of centerline, up to 1752’ MSL. Trees beginning 402’ from DER, 470’ right of centerline, up to 68’ AGL/1790’ MSL. Fence beginning 457’ from DER, 500’ left of centerline, up to 1753’ MSL. Tree 578’ from DER, 630’ left of centerline, 40’ AGL/1783’ MSL. Tree, terrain, fence beginning 582’ from DER, 376’ left of centerline, up to 1806’ MSL. Trees beginning 764’ from DER, 475’ right of centerline, up to 1800’ MSL. Trees beginning 775’ from DER, 201’ left of centerline, up to 1814’ MSL. Trees beginning 947’ from DER, 536’ right of centerline, up to 1805’ MSL. Tree 1011’ from DER, 737’ right of centerline, 1808’ MSL. Trees beginning 1057’ from DER, 390’ right of centerline, up to 1813’ MSL. Trees beginning 1266’ from DER, 68’ left of centerline, up to 84’ AGL/1819’ MSL. Trees beginning 3494’ from DER, 372’ left of centerline, up to 1817’ MSL. Tree 3517’ from DER, 786’ left of centerline, 1824’ MSL. Trees beginning 3540’ from DER, 447’ left of centerline, up to 1835’ MSL. Trees beginning 3741’ from DER, 419’ left of centerline, up to 1841’ MSL. Tree 4412’ from DER, 1677’ left of centerline, 1843’ MSL. Trees beginning 4490’ from DER, 1435’ left of centerline, up to 1844’ MSL. Tree 4518’ from DER, 1644’ left of centerline, 1846’ MSL. Trees beginning 4615’ from DER, 1457’ left of centerline, up to 1856’ MSL. Trees beginning 4871’ from DER, 1518’ left of centerline, up to 1862’ MSL. Trees beginning 5135’ from DER, 1044’ left of centerline, up to 1868’ MSL. Trees beginning 5582’ from DER, 1296’ left of centerline, up to 1874’ MSL. Trees beginning 5725’ from DER, 1015’ left of centerline, up to 1875’ MSL.

JOHNSTOWN, NY
FULTON COUNTY (NY0)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 10266 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 10, trees beginning 83’ from DER, 62’ left of centerline, up to 57’ AGL/936’ MSL. Trees beginning 206’ from DER, 176’ right of centerline, up to 43’ AGL/922’ MSL. Rwy 28, trees beginning 310’ from DER, 48’ left of centerline, up to 72’ AGL/921’ MSL. Trees beginning 23’ from DER, 54’ right of centerline, up to 73’ AGL/892’ MSL.

KINGSTON, NY
KINGSTON-ULSTER (20N)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 13122 (FAA)
TAKEOFF MINIMUMS: Rwy 33, 300-2 w/ min. climb of 255’ per NM to 1200.
DEPARTURE PROCEDURE: Rwy 15, climb to 3000 on heading 153° and PWL VOR/DME R-316 to TRESA INT before proceeding on course. Rwy 33, climbing right turn to 3000 on heading 170° and PWL VOR/DME R-316 to TRESA INT before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rwy 15, trees and poles abeam DER, 806’ left of centerline, up to 99’ AGL/221’ MSL. Trees and poles beginning 27’ from DER, 170’ right of centerline, up to 40’ AGL/162’ MSL. Vehicles on road 235’ from DER, 37’ right of centerline, up to 19’ AGL/141’ MSL. Trees beginning 1322’ from DER, 835’ right of centerline, up to 89’ AGL/203’ MSL. Trees beginning 1325’ from DER, 846’ left of centerline, up to 99’ AGL/215’ MSL. Rwy 33, construction cone 6’ from DER, 39’ right of centerline, 10’ AGL/149’ MSL. Trees and poles beginning 19’ from DER, 933’ left of centerline, up to 99’ AGL/349’ MSL. Trees and poles beginning 60’ from DER, 922’ right of centerline, up to 69’ AGL/215’ MSL. Buildings beginning 60’ from DER, from 577’ left of centerline to 569’ right of centerline, up to 59’ AGL/211’ MSL. Vehicles on road beginning 184’ from DER, from 285’ left of centerline to 496’ right of centerline, up to 17’ AGL/182’ MSL. Trees beginning 2004’ from DER, 1936’ left of centerline, up to 94’ AGL/362’ MSL. Trees beginning 2004’ from DER, 1908 right of centerline, up to 110’ AGL/388’ MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

LAKE PLACID, NY
LAKE PLACID (LKP)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 19283 (FAA)
TAKEOFF MINIMUMS: Rwy 14, NA-obstacles. Rwy 32, std. w/min. climb of 485' per NM to 4000, or 3600-3 for VCOA.
DEPARTURE PROCEDURE: Rwy 32, climbing left turn to heading 304° to 5000 before proceeding on course.
VCOA: Rwy 32, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Lake Placid airport at or above 5200 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rwy 32, sign 22' from DER, 124' left of centerline, 67' AGL/1746' MSL. Trees beginning 24' from DER, 213' left of centerline, up to 1785' MSL. Tree 81' from DER, 459' right of centerline, 72' AGL/1813' MSL. Trees, buildings, poles beginning 84' from DER, 4' left of centerline, up to 1800' MSL. Trees, fence, poles beginning 105' from DER, 9' right of centerline, up to 72' AGL/1814' MSL. Trees, poles beginning 692' from DER, 43' left of centerline, up to 1826' MSL. Trees, pole beginning 1001' from DER, 143' left of centerline, up to 1832' MSL. Trees beginning 1062' from DER, 77' left of centerline, up to 1871' MSL. Trees, buildings, poles beginning 1242' from DER, 25' left of centerline, up to 1876' MSL. Trees beginning 1733' from DER, 23' right of centerline, up to 94' AGL/1825' MSL. Tree 3024' from DER, 28' right of centerline, 84' AGL/1828' MSL. Tree 3388' from DER, 1114' right of centerline, 1839' MSL. Tree 3505' from DER, 1241' right of centerline, 1842' MSL. Tree 3532' from DER, 1015' right of centerline, 1849' MSL. Trees beginning 3536' from DER, 1117' right of centerline, up to 1859' MSL. Trees beginning 4089' from DER, 1519' right of centerline, up to 1865' MSL. Trees beginning 4364' from DER, 680' left of centerline, up to 1878 MSL. Tree 5055' from DER, 650' left of centerline, 1883' MSL. Tree 5085' from DER, 1807' right of centerline, 1875' MSL. Tree 5169' from DER, 1884' right of centerline, 1883' MSL. Buildings, tree beginning 1 NM from DER, 1866' right of centerline, up to 72' AGL/1910' MSL. Tree 1 NM from DER, 1412' right of centerline, 1913' MSL. Building 1 NM from DER, 1786' right of centerline, 65' AGL/1917' MSL. Trees beginning 1 NM from DER, 1135' right of centerline, up to 1933' MSL. Buildings, trees beginning 1.1 NM from DER, 1373' right of centerline, up to 1952' MSL. Tree 1.1 NM from DER, 2109' right of centerline, 1964' MSL. Trees beginning 1.1 NM from DER, 1368' right of centerline, up to 1988' MSL. Trees, pole beginning 1.1 NM from DER, 1913' right of centerline, up to 2012' MSL. Tree, pole beginning 1.1 NM from DER, 1694' right of centerline, up to 2015' MSL. Trees, vehicle on road beginning 1.1 NM from DER, 1351' right of centerline, up to 2016' MSL. Tree 1.2 NM from DER, 1778' right of centerline, 2020' MSL. Buildings beginning 1.2 NM from DER, 1919' right of centerline, up to 63' AGL/2022' MSL. Building, trees beginning 1.2 NM from DER, 1478' right of centerline, up to 53' AGL/2024' MSL. Trees, poles, buildings, vehicle on road, terrain beginning 1.2 NM from DER, 1439' right of centerline, up to 2045' MSL. Trees, poles, vehicle on road, buildings beginning 1.3 NM from DER, 65' right of centerline, up to 2057' MSL. Trees, building beginning 2 NM from DER, 2312' left of centerline, up to 2117' MSL. Tree 2 NM from DER, 1382' right of centerline, 2063' MSL.

LAKEHURST MAXFIELD FLD
(JOINT BASE MC GUIRE DIX LAKEHURST) (KNEL)
LAKEHURST, NJ
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 17285
TAKEOFF OBSTACLE NOTES: Rwy 6, terrain 0' from DER, 500' right of cntrln, 105' MSL. Terrain 150' from DER, 540' left of cntrln, 120' MSL. Terrain 173' from DER, 546' left of cntrln, 120' MSL. Terrain 546' from DER, 566' right of cntrln, 115' MSL. Terrain 957' from DER, 668' left of cntrln, 128' MSL. Terrain 1069' from DER, 540' left of cntrln, 130' MSL. Rwy 15, terrain 0' from DER, 484' right of cntrln, 96' MSL. Terrain 0' from DER, 500' left of cntrln, 98' MSL. Rwy 24, terrain 0' from DER, 500' left of cntrln, 96' MSL. Terrain 190' from DER, 551' right of cntrln, 101' MSL. Rwy 33, terrain 0' from DER, 500' left of cntrln, 102' MSL. Terrain 140' from DER, 522' right of cntrln, 112' MSL. Terrain 523' from DER, 535' right of cntrln, 118' MSL. Terrain 507' from DER, 636' right of cntrln, 119' MSL.

LAKEWOOD, NJ
LAKEWOOD (N12)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 14149 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 6, aircraft on taxiway abeam DER, 220' right of centerline, up to 15' AGL/49' MSL. Vehicles on road beginning 5' from DER, crossing left to right, up to 15' AGL/49' MSL. Trees, buildings and poles beginning 481' from DER, left and right of centerline, up to 100' AGL/139' MSL. Transmission towers beginning 3815' from DER, right and left of centerline, up to 150' AGL/184' MSL. Rwy 24, aircraft on taxiway abeam DER, 225' left of centerline, up to 15' AGL/59' MSL. Trees abeam DER, 270' right and 275' left of centerline, up to 100' AGL/144' MSL. Trees, buildings and vehicle on road beginning 371' from DER right and left of centerline up to 100' AGL/144' MSL. Trees, buildings and storage tank beginning 881' from DER, left and right of centerline, up to 100' AGL/169' MSL.

LE ROY, NY
LE ROY (5G0)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 12284 (FAA)
TAKEOFF MINIMUMS: Rwy 28, 300-1½ or std. w/min. climb of 267' per NM to 1000.
DEPARTURE PROCEDURE: Rwy 28, climb heading 284° to 1500 before turning left.
TAKEOFF OBSTACLE NOTES: Rwy 10, trees and poles beginning 51' from DER, 101' right of centerline, up to 73' AGL/852' MSL. Trees and poles beginning 26' from DER, 51' left of centerline, up to 64' AGL/843' MSL. Buildings beginning 325' from DER, 116' right of centerline, up to 53' AGL/819' MSL. Terrain beginning 96' from DER, 233' right of centerline, up to 787' MSL. Rwy 28, trees and poles beginning 2' from DER, 38' left of centerline, up to 112' AGL/977' MSL. Buildings, water tower and grain bins beginning 172' from DER, 38' left of centerline, up to 106' AGL/931' MSL. Trees beginning 49' from DER, 100' right of centerline, up to 873' MSL. Railroad 100' from DER, 261' right of centerline, 23' AGL/825' MSL.
LINCOLN PARK, NJ
LINCOLN PARK (N07)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 19003 (FAA)
TAKEOFF MINIMUMS: Rwy 1, 900-3 w/min. climb of 340’ per NM to 1100 or 1600-2½ for VCOA. Rwy 19, 400-2½ or std. w/min. climb gradient of 330’ per NM to 700.
DEPARTURE PROCEDURE: Rwy 1, climb on heading 008° to 1300 before proceeding on course. Rwy 19, climb on heading 188° to 900 before proceeding on course.
VCOA: Rwy 1, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Lincoln Park Airport at or above 1600 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rwy 1, tree 1852’ from DER, 766’ left of centerline, 319’ MSL. Rwy 19, tree beginning 70’ from DER, 324’ right of centerline, up to 299’ MSL. Tower 4107’ from DER, 460’ right of centerline, 131’ AGL/306’ MSL. Tower, beginning 4232’ from DER, 133’ right of centerline, up to 132’ AGL/307’ MSL. Tree 1 NM from DER, 1729’ right of centerline, 339’ MSL. Tree 1 NM from DER, 1823’ right of centerline, 359’ MSL. Tree 1.1 NM from DER, 1955’ right of centerline, 379’ MSL. Tree 1.1 NM from DER, 2042’ right of centerline, 399’ MSL. Tree 1.1 NM from DER, 2086’ right of centerline, 419’ MSL. Tree 1.2 NM from DER, 2135’ right of centerline, 439’ MSL. Tree beginning 1.2 NM from DER, 320’ right of centerline, up to 459’ MSL. Tree 1.3 NM from DER, 2194’ right of centerline, 479’ MSL. Tree beginning 1.3 NM from DER, 320’ right of centerline, up to 499’ MSL. Tree beginning 1.3 NM from DER, 369’ right of centerline, up to 519’ MSL. Tree 1.6 NM from DER, 2899’ left of centerline, 440’ MSL. Tree 1.6 NM from DER, 2849’ left of centerline, 460’ MSL. Tree beginning 1.6 NM from DER, 3086’ left of centerline, up to 480’ MSL.

LINDEN, NJ
LINDEN (LDJ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2A 11125 (FAA)
TAKEOFF MINIMUMS: Rwy 9, 300-1½ or std. w/min. climb of 280’ per NM to 400. Rwy 27, 300-1.
TAKEOFF OBSTACLE NOTES: Rwy 9, pole and building 667’ from DER, 53’ right of centerline, up to 60’ AGL/77’ MSL. Multiple stacks 1.3 NM from DER, 1135’ right of centerline, up to 275’ AGL/287’ MSL. Rwy 27, stack 825’ from DER, 655’ right of centerline, 86’ AGL/113’ MSL. Multiple buildings 2197’ from DER, left and right of centerline, up to 110’ AGL/140’ MSL.

LUMBERTON, NJ
FLYING W (N14)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 12208 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 1, transmission line towers beginning 4216’ from DER, 396’ left of centerline, up to 132’ AGL/179’ MSL. Transmission line tower beginning 4239’ from DER, 462’ right of centerline, up to 147’ AGL/191’ MSL. Vehicle on road 88’ from DER, 300’ left of centerline, 15’ AGL/77’ MSL. Rwy 19, trees beginning 16’ from DER, 1’ left of centerline, up to 136’ AGL/152’ MSL. Trees beginning 16’ from DER, 11’ right of centerline, up to 105’ AGL/131’ MSL.

MALONE, NY
MALONE-DUFORT (MAL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 12320 (FAA)
TAKEOFF MINIMUMS: Rwy 14, 300-1½ or std. w/min. climb of 310’ per NM to 1200. Rwy 23, 500-2½ or std. w/min. climb of 285’ per NM to 1500.
DEPARTURE PROCEDURE: Rwy 5, climb heading 052° to 1500 before proceeding on course. Rwy 14, climbing left turn heading 050° to 2300 before proceeding on course. Rwy 23, climb heading 232° to 1500 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rwy 5, terrain and trees beginning 15’ from DER, 316’ left and right of centerline, up to 100’ AGL/814’ MSL. Buildings, poles and trees beginning 171’ from DER, 113’ right of centerline, up to 100’ AGL/809’ MSL. Trees, 385’ from DER, across centerline, up to 100’ AGL/887’ MSL. Buildings, poles and trees 1180’ from DER, 184’ left of centerline, up to 100’ AGL/896’ MSL. Buildings, poles and trees 2304’ from DER, 223’ right of centerline, up to 100’ AGL/947’ MSL. Buildings, poles and trees 3979’ from DER, left and right on centerline, up to 100’ AGL/1013’ MSL. Water tank and trees 5951’ from DER, 1145’ right of centerline, up to 120’ AGL/1036’ MSL. Rwy 23, trees beginning 61’ from DER, 326’ right of centerline, up to 100’ AGL/827’ MSL. Bushes beginning 34’ from DER, 271’ left of centerline, up to 20’ AGL/781’ MSL. Buildings and trees beginning 719’ from DER, across centerline, up to 100’ AGL/901’ MSL. Rwy 32, trees beginning 64’ from DER, 50’ right of centerline, up to 100’ AGL/828’ MSL.

MANVILLE, NJ
CENTRAL JERSEY RGNL (47N)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 19059 (FAA)
TAKEOFF MINIMUMS: Rwy 25, 300-1 or std. w/min. climb of 280’ per NM to 300.
DEPARTURE PROCEDURE: Rwy 7, climb heading 069° to 800 before turning left.
TAKEOFF OBSTACLE NOTES: Rwy 7, lighting 12’ from DER, 9’ right of centerline, 65’ MSL. Trees beginning 38’ from DER, 313’ left of centerline, up to 138’ MSL. Buildings, trees beginning 59’ from DER, 289’ left of centerline, up to 19’ AGL/87’ MSL. Trees, building, poles, terrain beginning 120’ from DER, 217’ left of centerline, up to 110’ MSL. Trees, poles, buildings beginning 192’ from DER, 181’ left of centerline, up to 116’ MSL. Pole 241’ from DER, 465’ left of centerline, 7’ AGL/74’ MSL. Trees, pole, buildings beginning 267’ from DER, 124’ left of centerline, up to 68’ AGL/132’ MSL. Trees, poles, beginning 281’ from DER, 262’ right of centerline, up to 116’ MSL. Trees, buildings, pole beginning 371’ from DER, 104’ left of centerline, up to 123’ MSL. Trees, pole beginning 426’ from DER, 172’ right of centerline, up to 120’ MSL. Trees, buildings, pole beginning 452’ from DER, 200’ left of centerline, up to 133’ MSL. Trees beginning 506’ from DER, 191’ right of centerline, up to 124’ MSL. Tree 550’ from DER, 550’ right of centerline, 131’ MSL. Trees beginning 557’ from DER, 3’ right of centerline, up to 104’ AGL/132’ MSL. Trees, poles, building beginning 736’ from DER, 41’ left of centerline, up to 123’ MSL. Trees beginning 1067’ from DER, 6’ left of centerline, up to 81’ AGL/126’ MSL. Trees beginning 2081’ from DER, 71’ right of centerline, up to 157’ MSL. CON’T
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

MANVILLE, NJ (CON’T)
CENTRAL JERSEY RGNL (47N) (CON’T)

Rwy 25, traverse way 2’ from DER, 82’ right of centerline, 103’ MSL. Tree 14’ from DER, 166’ right of centerline, 115’ MSL. Tree 17’ from DER, 458’ right of centerline, 123’ MSL. Tree 23’ from DER, 504’ right of centerline, 129’ MSL. Trees beginning 26’ from DER, 257’ left of centerline, up to 126’ MSL. Trees beginning 37’ from DER, 259’ right of centerline, up to 131’ MSL. Tree 49’ from DER, 285’ left of centerline, 129’ MSL. Trees beginning 83’ from DER, 15’ right of centerline, up to 148’ MSL. Trees beginning 105’ from DER, 203’ left of centerline, up to 130’ MSL. Trees beginning 120’ from DER, 249’ left of centerline, up to 140’ MSL. Trees traverse way beginning 142’ from DER, 49’ right of centerline, up to 151’ MSL. Trees, traverse ways beginning 199’ from DER, 14’ left of centerline, up to 144’ MSL. Trees traverse way beginning 202’ from DER, 1’ right of centerline, up to 155’ MSL. Trees beginning 812’ from DER, 7’ right of centerline, up to 80’ AGL/156’ MSL. Trees beginning 835’ from DER, 26’ left of centerline, up to 150’ MSL. Trees beginning 968’ from DER, 4’ right of centerline, up to 159’ MSL. Trees beginning 978’ from DER, 59’ left of centerline, up to 159’ MSL. Trees beginning 1046’ from DER, 167’ left of centerline, up to 161’ MSL. Trees beginning 1087’ from DER, 6’ left of centerline, up to 162’ MSL. Trees beginning 1381’ from DER, 62’ right of centerline, up to 175’ MSL. Trees beginning 1538’ from DER, 18’ right of centerline, up to 176’ MSL. Transmission line 4389’ from DER, 1465’ left of centerline, 116’ AGL/197’ MSL. Transmission line beginning 4547’ from DER, 676’ left of centerline, up to 170’ AGL/244’ MSL.

MASSESNA, NY
MASSENA INTL-RICHARDS FIELD (MSS)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 8A 14093 (FAA)
TAKEOFF MINIMUMS: Rwy 23, 400-2½ or std. w/min. climb of 240’ per NM to 800.
TAKEOFF OBSTACLE NOTES: Rwy 5, antenna on building 291’ from DER, 267’ right of centerline, 9’ AGL/238’ MSL. Obstruction light on localizer 347’ from DER, on centerline, 7’ AGL/241’ MSL. Trees beginning 551’ from DER, 514’ left of centerline, up to 75’ AGL/324’ MSL. Trees beginning 825’ from DER, 516’ right of centerline, up to 56’ AGL/292’ MSL. Rwy 9, bushes and trees beginning 371’ from DER, 142’ left of centerline, up to 64’ AGL/303’ MSL. Trees beginning 784’ from DER, 51’ right of centerline, up to 73’ AGL/312’ MSL. Rwy 23, trees, buildings, and poles beginning 1002’ from DER, 249’ left of centerline, up to 76’ AGL/257’ MSL. Trees beginning 2233’ from DER, 878’ right of centerline, up to 60’ AGL/277’ MSL. Light on tower 2.1 NM from DER, 2453’ right of centerline, 388’ AGL/596’ MSL. Rwy 27, trees beginning 341’ from DER, 341’ left of centerline, up to 81’ AGL/292’ MSL. Trees beginning 499’ from DER, 289’ right of centerline, up to 100’ AGL/329’ MSL.

MC GUIRE FLD,(JOINT BASE MC GUIRE DIX LAKEHURST) (KWRI)
WRIGHTSTOWN, NJ
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 15207 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 8, trees 83’ from DER, 11’ right of centerline, 59’ AGL/152’ MSL. Trees 1040’ from DER, 167’ left of centerline, up to 131’ MSL. Trees beginning 978’ from DER, 59’ left of centerline, up to 159’ MSL. Trees beginning 1046’ from DER, 167’ left of centerline, up to 161’ MSL. Trees beginning 1087’ from DER, 6’ left of centerline, up to 162’ MSL. Trees beginning 1381’ from DER, 62’ right of centerline, up to 175’ MSL. Trees beginning 1538’ from DER, 18’ right of centerline, up to 176’ MSL. Transmission line 4389’ from DER, 1465’ left of centerline, 116’ AGL/197’ MSL. Transmission line beginning 4547’ from DER, 676’ left of centerline, up to 170’ AGL/244’ MSL.

MIDDLETOWN, NY
RANDALL (06N)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 12264 (FAA)
TAKEOFF MINIMUMS: Rwy 26, 300-2 or std. with a min. climb of 205’ per NM to 900, or alternatively, with standard takeoff minimums and a normal 200’ per NM climb gradient, takeoff must occur no later than 1300’ prior to DER.
DEPARTURE PROCEDURE: Rwy 26, climb heading 246° to 1400 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rwy 8, rising terrain beginning abeam DER, 143’ left of centerline, up to 536’ MSL. Trees beginning 46’ from DER, 237’ right of centerline, up to 98’ AGL/578’ MSL. Trees beginning 59’ from DER, 412’ left of centerline, up to 100’ AGL/639’ MSL. Rwy 26, trees abeam DER, 155’ left of centerline, up to 87’ AGL/576’ MSL. Vehicles on roadway, 186’ from DER, left and right of centerline, up to 15’ AGL/52’ MSL. Trees beginning 343’ from DER, 569’ right of centerline, 95’ AGL/596’ MSL. Pole, 506’ from DER, 141’ right of centerline, 41’ AGL/543’ MSL.

MILLBROOK, NY
SKY ACRES (44N)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 14149 (FAA)
TAKEOFF MINIMUMS: Rwy 17, 800-3 w/min. climb of 240’ per NM to 1400 or std. w/min. climb of 390’ per NM to 1500. Rwy 35, 300-1½ or std. w/min. climb of 261’ per NM to 1100.
DEPARTURE PROCEDURE: Rwy 17, climb heading 167° to 2200 then climbing left turn direct IGN VOR/DME before proceeding on course. Rwy 35, climb heading 347° to 2100 then climbing left turn direct IGN VOR/DME before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rwy 17, trees beginning 156’ from DER, 302’ left of centerline, up to 96’ AGL/779’ MSL. Trees beginning 3213’ from DER, 1350’ left of centerline, up to 100’ AGL/1259’ MSL. Rwy 35, trees beginning 46’ from DER, 341’ right of centerline, up to 94’ AGL/742’ MSL. Building 251’ from DER, 399’ right of centerline, 36’ AGL/695’ MSL. Tower 1254’ from DER, 725’ right of centerline, 88’ AGL/733’ MSL. Trees beginning 1.4 NM from DER, 2762’ right of centerline, up to 100’ AGL/919’ MSL. Trees beginning 407’ from DER 284’ left of centerline, up to 78’ AGL/665’ MSL. Trees beginning 1.3 NM from DER, 1353’ left of centerline, up to 100’ AGL/919’ MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

MILLVILLE, NJ
MILLVILLE MUNI (MIV)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 06159 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 10, multiple trees beginning 14' from DER, 498' right of centerline, up to 49' AGL/134' MSL. Rw 14, multiple trees beginning 20' from DER, 167' left and 139' right of centerline, up to 72' AGL/154' MSL. Rw 28, multiple trees beginning 28' from DER, 144' left and 167' right of centerline, up to 80' AGL/154' MSL. Rw 32, multiple trees beginning 34' from DER, 341' left and 273' right of centerline, up to 71' AGL/152' MSL.

MONTGOMERY, NY
ORANGE COUNTY (MGJ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 19003 (FAA)
TAKEOFF MINIMUMS: Rw 8, 300-1 or std. w/min. climb of 335' per NM to 700. Rw 22, 300-1½ or std. w/min. climb of 290' per NM to 600. Rw 26, 500-3 w/min. climb of 220' per NM to 1300 or std. w/min. climb of 380' per NM to 900 or 1500-3 for VCOA.
DEPARTURE PROCEDURE: Rw 4, climb on heading 036° to 2100 before proceeding on course. Rw 8, climb on heading 080° to 1100 before turning left. Rw 22, climb on heading 216° to 1000 before proceeding on course. Rw 26, climb on heading 260° to 1000 before turning right.
VCOA: Rw 26, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Orange County Airport at or above 1700 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rw 4, terrain 23' from DER, 304' left of centerline, 371' MSL. Terrain 24' from DER, 184' left of centerline, 373' MSL. Trees, terrain, vehicles on road, vegetation beginning 32' from DER, 21' right of centerline, up to 410' MSL. Trees, vehicles on road beginning 88' from DER, 39' left of centerline, up to 404' MSL. Tree 689' from DER, 575' left of centerline, 405' MSL. Trees beginning 782' from DER, 490' left of centerline, up to 417' MSL. Tree 1004' from DER, 689' right of centerline, 430' MSL. Tree 1046' from DER, 728' left of centerline, 439' MSL. Trees beginning 1113' from DER, 545' right of centerline, up to 436' MSL. Trees beginning 1171' from DER, 19' left of centerline, up to 101' AGL/442' MSL. Tree 1394' from DER, 454' right of centerline, 438' MSL. Trees beginning 1471' from DER, 104' right of centerline, up to 440' MSL. Trees beginning 1519' from DER, 71' right of centerline, up to 445' MSL. Trees beginning 1720' from DER, 28' right of centerline, up to 446' MSL. Tree 2528' from DER, 101' left of centerline, 446' MSL. Tree 3430' from DER, 904' right of centerline, 482' MSL. Rw 8, tree 258' from DER, 316' right of centerline, 71' AGL/451' MSL. Tree 345' from DER, 300-1 or std. w/min. climb of 300-1⅛ or std. w/min. climb of 500-3 w/min. climb of 335' per NM to 700. Rw 22, tree 990' from DER, 130' right of centerline, 990' from DER, 300-1 or std. w/min. climb of 300-1⅛ or std. w/min. climb of 500-3 w/min. climb of 335' per NM to 700. Rw 26, tree 3600' from DER, 300-1 or std. w/min. climb of 300-1⅛ or std. w/min. climb of 500-3 w/min. climb of 335' per NM to 700.

MONTAUK, NY
MONTAUK (MTP)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 12292 (FAA)
TAKEOFF MINIMUMS: Rw 6, 300-1 or std. w/min. climb of 491' per NM to 300. Rw 24, 300-1
DEPARTURE PROCEDURE: Rw 24, climbing right turn to 3000 direct GON VOR/DME before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rw 6, ship 3600' from DER, on centerline, up to 225' AGL/225' MSL. Building 9' from DER, 188' left of centerline, 14' AGL/34' MSL. Trees beginning 10' from DER, 29' right of centerline, up to 40' AGL/47' MSL. Bushes beginning 514' from DER, 50' right of centerline, up to 21' AGL/41' MSL. Bushes beginning 33' from DER, 9' left of centerline, up to 5' AGL/19' MSL. Rw 24, ship 990' from DER, on centerline, up to 225' AGL/225' MSL. Trees beginning 5' from DER, 152' left of centerline, up to 36' AGL/41' MSL. Poles beginning 155' from DER, 28' left of centerline, up to 34' AGL/41' MSL. Trees beginning 49' from DER, 25' right of centerline, up to 61' AGL/81' MSL. Poles beginning 49' from DER, 75' right of centerline, up to 22' AGL/42' MSL. Building 245' from DER, 316' left of centerline, 29' AGL/36' MSL. Buildings beginning 641' from DER, 189' right of centerline, up to 29 AGL/38' MSL.
TREES BEGINNING 1.7 NM FROM DER, 3090' MSL. Trees beginning 1.6 NM from DER, 3090' right of centerline, up to 3061' MSL. Trees beginning 1.5 NM from DER, 3090' right of centerline, up to 3051' MSL. Trees beginning 1.4 NM from DER, 3090' right of centerline, up to 3040' MSL. Trees beginning 1.3 NM from DER, 3090' right of centerline, up to 3030' MSL. Trees beginning 1.2 NM from DER, 3090' right of centerline, up to 3020' MSL. Trees beginning 1.1 NM from DER, 3090' right of centerline, up to 3010' MSL. Trees beginning 1.0 NM from DER, 3090' right of centerline, up to 2990' MSL. Trees beginning 0.9 NM from DER, 3090' right of centerline, up to 2970' MSL. Trees beginning 0.8 NM from DER, 3090' right of centerline, up to 2950' MSL. Trees beginning 0.7 NM from DER, 3090' right of centerline, up to 2930' MSL. Trees beginning 0.6 NM from DER, 3090' right of centerline, up to 2910' MSL. Trees beginning 0.5 NM from DER, 3090' right of centerline, up to 2890' MSL. Trees beginning 0.4 NM from DER, 3090' right of centerline, up to 2870' MSL. Trees beginning 0.3 NM from DER, 3090' right of centerline, up to 2850' MSL. Trees beginning 0.2 NM from DER, 3090' right of centerline, up to 2830' MSL. Trees beginning 0.1 NM from DER, 3090' right of centerline, up to 2810' MSL. Tree 1.8 NM from DER, 2966' right of centerline, up to 725' MSL. Trees beginning 2.1 NM from DER, 2352' right of centerline, up to 812' MSL. Tree 418' from DER, 2955' right of centerline, up to 88' AGL/446' MSL. Tree 4187' from DER, 100' left of centerline, up to 456' MSL. Tree 3464' from DER, 1155' left of centerline, up to 461' MSL. Trees beginning 3537' from DER, 1997' left of centerline, up to 478' MSL. Tree 3946' from DER, 1120' left of centerline, up to 469' MSL. Tree 3152' from DER, 274' left of centerline, up to 397' MSL. Tree 2819' from DER, 366' left of centerline, up to 369' MSL. Tree 2549' from DER, 476' left of centerline, up to 333' MSL. Trees beginning 208' from DER, 549' right of centerline, up to 187' MSL. Tree 51' from DER, 300' left of centerline, up to 170' MSL. Tree 35' from DER, 150' right of centerline, up to 30' AGL/178' MSL. Tree 35' from DER, 150' left of centerline, up to 30' AGL/178' MSL. Tree 288' from DER, 523' right of centerline, up to 300' MSL. Tree 136' from DER, 275' left of centerline, up to 269' MSL. Trees beginning 111' from DER, 522' left of centerline, up to 259' MSL. Tree 111' from DER, 522' left of centerline, up to 259' MSL. Trees beginning 111' from DER, 501' right of centerline, up to 256' MSL. Tree 111' from DER, 501' right of centerline, up to 256' MSL. Trees beginning 111' from DER, 501' right of centerline, up to 256' MSL. Tree 111' from DER, 501' right of centerline, up to 256' MSL. Tree 111' from DER, 501' right of centerline, up to 256' MSL. Trees beginning 111' from DER, 501' right of centerline, up to 256' MSL. Tree 111' from DER, 501' right of centerline, up to 256' MSL. Trees beginning 111' from DER, 501' right of centerline, up to 256' MSL. Tree 111' from DER, 501' right of centerline, up to 256' MSL. Trees beginning 111' from DER, 501' right of centerline, up to 256' MSL. Tree 111' from DER, 501' right of centerline, up to 256' MSL. Trees beginning 111' from DER, 501' right of centerline, up to 256' MSL. Tree 111' from DER, 501' right of centerline, up to 256' MSL. Trees beginning 111' from DER, 501' right of centerline, up to 256' MSL. Tree 111' from DER, 501' right of centerline, up to 256' MSL. Trees beginning 111' from DER, 501' right of centerline, up to 256' MSL. Tree 111' from DER, 501' right of centerline, up to 256' MSL. Trees beginning 111' from DER, 501' right of centerline, up to 256' MSL. Tree 111' from DER, 501' right of centerline, up to 256' MSL. Trees beginning 111' from DER, 501' right of centerline, up to 256' MSL. Tree 111' from DER, 501' right of centerline, up to 256' MSL. Trees beginning 111' from DER, 501' right of centerline, up to 256' MSL. Tree 111' from DER, 501' right of centerline, up to 256' MSL. Trees beginning 111' from DER, 501' right of centerline, up to 256' MSL. Tree CON’T
MORRISTOWN, NJ (CON’T)

MORRISTOWN MUNI (MMU) (CON’T)

Rwy 13 (CON’T), trees beginning 1526’ from DER, 10’ right of center, up to 276’ MSL. Trees beginning 1545’ from DER, 127’ left of centerline, up to 265’ MSL. Trees beginning 1666’ from DER, 27’ left of centerline, up to 266’ MSL. Trees beginning 1713’ from DER, 1’ left of centerline, up to 271’ MSL. Trees beginning 2152’ from DER, 124’ left of centerline, up to 94’ AGL/2272’ MSL. Trees beginning 2252’ from DER, 19’ left of centerline, up to 275’ MSL. Trees beginning 3269’ from DER, 426’ left of centerline, up to 284’ MSL. Trees beginning 3484’ from DER, 398’ left of centerline, up to 291’ MSL. Trees beginning 3744’ from DER, 33’ right of centerline, up to 81’ AGL/277’ MSL. Tree 4002’ from DER, 328’ right of centerline, 91’ AGL/285’ MSL. Tree 4142’ from DER, 824’ left of centerline, 292’ MSL. Trees beginning 4152’ from DER, 1082’ left of centerline, up to 294’ MSL. Trees beginning 4228’ from DER, 370’ left of centerline, up to 296’ MSL. Tree 4279’ from DER, 289’ right of centerline, 87’ AGL/290’ MSL. Trees beginning 4297’ from DER, 950’ left of centerline, up to 297’ MSL. Tree 4412’ from DER, 520’ right of centerline, 292’ MSL. Tree 4414’ from DER, 632’ right of centerline, 300’ MSL. Tank beginning 1.2 NM from DER, 1783’ right of centerline, up to 135’ AGL/264’ MSL. Rwy 23, lighting 21’ from DER, 114’ left of centerline, 4’ AGL/184’ MSL. Lighting 21’ from DER, 114’ right of centerline, 4’ AGL/184’ MSL. Trees beginning 58’ from DER, 368’ right of centerline, up to 192’ MSL. Tree 125’ from DER, 287’ left of centerline, 183’ MSL. Trees beginning 140’ from DER, 256’ right of centerline, up to 45’ AGL/221’ MSL. Tree 233’ from DER, 279’ left of centerline, 190’ MSL. Trees beginning 370’ from DER, 499’ left of centerline, up to 47’ AGL/222’ MSL. Trees beginning 370’ from DER, 499’ left of centerline, up to 47’ AGL/222’ MSL. Trees beginning 859’ from DER, 205’ right of centerline, up to 247’ MSL. Trees beginning 957’ from DER, 19’ right of centerline, up to 249’ MSL. Trees beginning 1177’ from DER, 667’ left of centerline, up to 246’ MSL. Tree 1381’ from DER, 831’ left of centerline, 252’ MSL. Trees beginning 1406’ from DER, 454’ left of centerline, up to 80’ AGL/257’ MSL. Trees beginning 1487’ from DER, 48’ left of centerline, up to 97’ AGL/275’ MSL. Trees beginning 1517’ from DER, 105’ right of centerline, up to 254’ MSL. Tree 2077’ from DER, 780’ right of centerline, 257’ MSL. Tree 2088’ from DER, 972’ right of centerline, 265’ MSL. Trees beginning 2092’ from DER, 140’ right of centerline, up to 267’ MSL. Trees beginning 2118’ from DER, 16’ right of centerline, up to 96’ AGL/280’ MSL. Trees beginning 2322’ from DER, 29’ right of centerline, up to 286’ MSL. Trees beginning 2330’ from DER, 63’ left of centerline, up to 96’ AGL/279’ MSL. Trees beginning 2369’ from DER, 748’ left of centerline, up to 282’ MSL. Tree, building beginning 2506’ from DER, 153’ right of centerline, up to 272’ MSL. Tree, building beginning 2648’ from DER, 570’ left of centerline, up to 293’ MSL. Tree, building beginning 2721’ from DER, 202’ right of centerline, up to 294’ MSL. Tree, building beginning 3045’ from DER, 36’ right of centerline, up to 135’ AGL/264’ MSL. Tree, beginning 3280’ from DER, 180’ right of centerline, up to 370’ MSL. Tree, terrain beginning 3593’ from DER, 552’ right of centerline, up to 378’ MSL. Trees beginning 3645’ from DER, 709’ left of centerline, up to 296’ MSL. Trees, terrain beginning 3746’ from DER, 540’ right of centerline, up to 381’ MSL. Trees beginning 4140’ from DER, 1159’ right of centerline, up to 389’ MSL. Tree, pole beginning 4243’ from DER, 933’ right of centerline, up to 397’ MSL. Trees beginning 4392’ from DER, 1063’ right of centerline, up to 412’ MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

MORRISTOWN, NJ (CON’T)
MORRISTOWN MUNI (MMU) (CON’T)
Rwy 31 (CON’T), trees beginning 1082’ from DER, 285’ right of centerline, up to 339’ MSL. Tree, fence beginning 1119’ from DER, 24’ left of centerline, up to 322’ MSL. Trees beginning 1193’ from DER, 72’ right of centerline, up to 364’ MSL. Tree, terrain, fence beginning 1399’ from DER, 374’ left of centerline, up to 326’ MSL. Tree, building, electrical system, pole, vehicles on road, fence, terrain beginning 1476’ from DER, 7’ right of centerline, up to 384’ MSL. Trees beginning 1538’ from DER, 1’ left of centerline, up to 329’ MSL. Tree, terrain beginning 1641’ from DER, 132’ left of centerline, up to 334’ MSL. Tree, fence, pole beginning 1963’ from DER, 4’ left of centerline, up to 344’ MSL. Tree, electrical system, building beginning 2624’ from DER, 2’ left of centerline, up to 347’ MSL. Trees beginning 3426’ from DER, 70’ left of centerline, up to 361’ MSL. Tree 3782’ from DER, 1040’ left of centerline, 362’ MSL. Tree, building beginning 4128’ from DER, 1’ left of centerline, up to 441’ MSL. Tree, fence, pole beginning 4542’ from DER, 187’ left of centerline, up to 446’ MSL. Tree, vehicles on road beginning 4721’ from DER, 67’ left of centerline, up to 451’ MSL. Tree, terrain, fence beginning 4823’ from DER, 16’ left of centerline, up to 463’ MSL. Tree, vehicles on road, terrain beginning 4869’ from DER, 73’ left of centerline, up to 466’ MSL. Tree, terrain, building, vehicles on road, pole beginning 4972’ from DER, 134’ left of centerline, up to 482’ MSL. Tree, terrain, pole beginning 5194’ from DER, 96’ left of centerline, up to 485’ MSL. Tree, vehicles on road, pole beginning 5914’ from DER, 6’ right of centerline, up to 495’ MSL. Tree 1.6 NM from DER, 2306’ right of centerline, 89’ AGL/444’ MSL. Tree 1.6 NM from DER, 1792’ right of centerline, 475’ MSL. Trees beginning 1.7 NM from DER, 2448’ right of centerline, up to 504’ MSL. Tree 1.7 NM from DER, 1958’ right of centerline, 128’ AGL/596’ MSL. Trees beginning 1.7 NM from DER, 1350’ right of centerline, up to 122’ AGL/604’ MSL. Antenna 1.8 NM from DER, 193’ left of centerline, 214’ AGL/590’ MSL. Tower 1.8 NM from DER, 51’ left of centerline, 205’ AGL/513’ MSL. Antenna, tower beginning 1.8 NM from DER, 52’ left of centerline, up to 210’ AGL/516’ MSL. Building, tree beginning 2.1 NM from DER, 3173’ right of centerline, up to 100’ AGL/619’ MSL.

MOUNT HOLLY, NJ
SOUTH JERSEY RGNL (VAY)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09155 (FAA)
TAKEOFF MINIMUMS: Rwy 26, 300-2½ or std. w/ min. climb of 205’ per NM to 500. Alternatively, with standard TAKEOFF minimums and a normal 200’/NM climb gradient, TAKEOFF must occur no later than 1300’ prior to DER.
TAKEOFF OBSTACLE NOTES: Rwy 8, trees beginning 15’ from DER, 32’ right of centerline, up to 100’ AGL/179’ MSL. Trees beginning 631’ from DER, 339’ left of centerline, up to 100’ AGL/159’ MSL.

NEW YORK, NY
DOWNTOWN MANHATTAN/WALL ST (JRB)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 17089 (FAA)
DEPARTURE PROCEDURE: Use JEDIL DEPARTURE.

EAST 34TH STREET (6N5)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 17089 (FAA)
DEPARTURE PROCEDURE: Use JEDIL DEPARTURE.
NEW YORK, NY (CON’T)

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

AMDT 9 15288 (FAA)

TAKEOFF MINIMUMS: Ryw 31L, std. w/min. climb of 250’ per NM to 2400. Ryw 31R, std. w/min. climb of 230’ per NM to 2400.

TAKEOFF OBSTACLE NOTES: Ryw 4L, fence and light poles beginning 94’ from DER, 466’ right of centerline, up to 7’ AGL/22’ MSL. Localizer 204’ from DER, on centerline, 6’ AGL/21’ MSL. Tower, light poles, utility poles, fence, and building beginning 212’ from DER, left and right of centerline, up to 15’ AGL/28’ MSL. Trees beginning 400’ from DER, 765’ right of centerline, up to 79’ AGL/92’ MSL. Trees beginning 21’ from DER, 445’ left of centerline, up to 74’ AGL/87’ MSL. Ryw 4R, lights beginning 6’ from DER, 4’ right of centerline, up to 2’ AGL/13’ MSL. Lights beginning 6’ from DER, 5’ left of centerline, up to 2’ AGL/13’ MSL. Lights beginning 6’ from DER, 10’ right of centerline, up to 2’ AGL/13’ MSL. Lights beginning 6’ from DER, 15’ left of centerline, up to 2’ AGL/13’ MSL. Pole and sign beginning 254’ from DER, 523’ right of centerline, up to 9’ AGL/20’ MSL. Rod 1119’ from DER, 140’ left of centerline, 39 AGL/58’ MSL. Trees beginning 1774’ from DER, 1’ right of centerline, up to 72’ AGL/91’ MSL. Ryw 13R, lights beginning 4’ from DER, 40’ right of centerline, up to 3’ AGL/14’ MSL. Lights beginning 4’ from DER, 15’ left of centerline, up to 3’ AGL/14’ MSL. Lights beginning 4’ from DER, 2221’ from DER, 560’ right of centerline, up to 44’ AGL/124’ MSL. Transmission towers beginning 4749’ from DER, 1385’ right of centerline, up to 139’ AGL/140’ MSL. Ryw 22L, lights beginning 3’ from DER, 4’ left of centerline, up to 2’ AGL/13’ MSL. Lights beginning 4’ from DER, 5’ right of centerline, up to 2’ AGL/13’ MSL. Lights 5’ from DER, on centerline, 2’ AGL/13’ MSL. Trees beginning 433’ from DER, 578’ left of centerline, up to 27’ AGL/31’ MSL. Ryw 22R, lights beginning abeam DER, 55’ right of centerline, up to 2’ AGL/13’ MSL. Fence, lights, and bushes beginning 216’ from DER, 54’ left of centerline, up to 8’ AGL/19’ MSL. Ryw 31L, lights beginning 9’ from DER, 80’ right of centerline, up to 3’ AGL/14’ MSL. Lights beginning 10’ from DER, 80’ left of centerline, up to 2’ AGL/13’ MSL. Trees 2075’ from DER, 435’ left of centerline, up to 87’ AGL/91’ MSL. Ryw 31R, lights beginning 8’ from DER, 3’ left of centerline, up to 2’ AGL/13’ MSL. Lights 10’ from DER, on centerline, 2’ AGL/13’ MSL. Lights beginning 10’ from DER, 3’ right of centerline, up to 2’ AGL/13’ MSL. Electrical system, electrical box, and sign beginning 101’ from DER, on centerline, and left and right of centerline, up to 7’ AGL/18’ MSL. Approach lights beginning 200’ from DER, on centerline, up to 9’ AGL/27’ MSL. Fences, lights, and poles beginning 146’ from DER, 115’ left of centerline, up to 19’ AGL/30’ MSL. Lights and trees beginning 553’ from DER, 191’ right of centerline, up to 34’ AGL/48’ MSL. Lights and poles beginning 1443’ from DER, 334’ left of centerline, up to 55’ AGL/67’ MSL. Pole 2162’ from DER, 562’ right of centerline, 54’ AGL/66’ MSL. Antenna 3916’ from DER, 1550’ right of centerline, 111’ AGL/130’ MSL.

NEW YORK, NY (CON’T)

LAGUARDIA (LGA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 10 15288 (FAA)

TAKEOFF MINIMUMS: Ryw 13, 400-2’ or std. w/min. climb of 280’ per NM to 500. Ryw 22, 300-2’ or std. w/min. climb of 210’ per NM to 400, or alternatively, with standard takeoff minimums and a normal 200’ per NM climb gradient, takeoff must occur no later than 1100’ prior to DER. Ryw 31, 300-1½ or std. w/min. climb of 330’ per NM to 500.

DEPARTURE PROCEDURE: Ryw 4, climb heading 044° to 1000 before proceeding on course. Ryw 13, climb heading 134° to 1000 before proceeding westbound. Ryw 22, climb heading 230° to 2200 before proceeding westbound (RADAR required). Ryw 31, climb heading 314° to 1700 before proceeding westbound.

TAKEOFF OBSTACLE NOTES: Ryw 13, localizer 392’ from DER, on centerline, 18’ AGL/19’ MSL. Stack, fences, and buildings beginning 97’ from DER, 171’ left of centerline, 83’ AGL/103’ MSL. Fences, buildings, and trees beginning 28’ from DER, 415’ right of centerline, up to 21’ AGL/22’ MSL. Stack 4934’ from DER, 1513’ left of centerline, 172’ AGL/181’ MSL. Building 1.9 NM from DER, 758’ right of centerline, 280’ AGL/345’ MSL. Ryw 22, building 1278’ from DER, 169’ left of centerline, 48’ AGL/71’ MSL. Buildings and trees beginning 165’ from DER, 150’ left of centerline, up to 72’ AGL/101’ MSL. Blast fence, fence, stack on building, NAVIAD, and trees beginning 109’ from DER, 138’ right of centerline, up to 55’ AGL/104’ MSL. Tower 1.8 NM from DER, 566’ right of centerline, 222’ AGL/302’ MSL. Ryw 31, stack 1.2 NM from DER, 2015’ left of centerline, 250’ AGL/268’ MSL.

LONG ISLAND MAC ARTHUR (ISP)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5A 18256 (FAA)

TAKEOFF OBSTACLE NOTES: Ryw 6, lighting 1’ from DER, on centerline, 99’ MSL. Tree 902’ from DER, 663’ right of centerline, 43’ AGL/140’ MSL. Trees beginning 1221’ from DER, 708’ right of centerline, up to 148’ MSL. Tree 1390’ from DER, 854’ left of centerline, 40’ AGL/144’ MSL. Trees beginning 1515’ from DER, 799’ left of centerline, up to 148’ MSL. Trees beginning 1888’ from DER, 933’ left of centerline, up to 151’ MSL. Trees beginning 2014’ from DER, 857’ right of centerline, up to 156’ MSL. Trees beginning 2140’ from DER, 853’ left of centerline, up to 155’ MSL. Trees beginning 2269’ from DER, 849’ left of centerline, up to 166’ MSL. Tree 2332’ from DER, 986’ right of centerline, 159’ MSL. Tree 2399’ from DER, 1086’ right of centerline, 163’ MSL. Pole, tree beginning 2457’ from DER, 865’ left of centerline, up to 65’ AGL/175’ MSL. Tree 2613’ from DER, 727’ right of centerline, 62’ AGL/169’ MSL. Tree 2682’ from DER, 1165’ right of centerline, 173’ MSL. Tree 3423’ from DER, 190’ right of centerline, 75’ AGL/186’ MSL. Tree 3563’ from DER, 76’ left of centerline, 77’ AGL/189’ MSL. Ryw 15L, sign 9’ from DER, 66’ left of centerline, 83’ MSL. Terrain beginning 12’ from DER, 458’ left of centerline, up to 89’ MSL. Trees beginning 705’ from DER, 404’ right of centerline, up to 43’ AGL/122’ MSL. Trees beginning 732’ from DER, 560’ right of centerline, up to 44’ AGL/124’ MSL. Trees beginning 751’ from DER, 317’ right of centerline, up to 45’ AGL/125’ MSL. Trees beginning 785’ from DER, 224’ right of centerline, up to 48’ AGL/128’ MSL. CON’T
NEW YORK, NY (CON’T)
LONG ISLAND MAC ARTHUR (ISP)

Rwy 15L (CON’T), Trees beginning 843’ from DER, 188’ right of centerline, up to 129’ MSL. Trees beginning 1229’ from DER, 192’ right of centerline, up to 50’ AGL/130’ MSL. Tree 933’ from DER, 201’ left of centerline, 113’ MSL. Tree 952’ from DER, 209’ left of centerline, 114’ MSL. Tree 974’ from DER, 196’ left of centerline, 118’ MSL. Trees beginning 977’ from DER, 193’ left of centerline, up to 120’ MSL. Trees beginning 1111’ from DER, 16’ right of centerline, up to 56’ AGL/136’ MSL. Trees beginning 1133’ from DER, 199’ left of centerline, up to 48’ AGL/132’ MSL. Trees beginning 1248’ from DER, 42’ left of centerline, up to 133’ MSL. Trees beginning 1566’ from DER, 4’ left of centerline, on DER, at 139’ MSL. Trees beginning 1572’ from DER, 138’ left of centerline, up to 143’ MSL. Trees beginning 2291’ from DER, 720’ left of centerline, up to 145’ MSL. Trees beginning 2412’ from DER, 802’ left of centerline, up to 147’ MSL. Rwy 15R, vehicles on road beginning 175’ from DER, 439’ right of centerline, up to 91’ MSL. Building 629’ from DER, 666’ right of centerline, 101’ MSL. Tree 1213’ from DER, 162’ left of centerline, 109’ MSL. Tree 1239’ from DER, 101’ left of centerline, 112’ MSL. Tree 1267’ from DER, 189’ left of centerline, 45’ AGL/121’ MSL. Trees beginning 1289’ from DER, 74’ left of centerline, up to 43’ AGL/122’ MSL. Trees beginning 1295’ from DER, 248’ left of centerline, up to 44’ AGL/124’ MSL. Trees beginning 1314’ from DER, 178’ left of centerline, up to 45’ AGL/125’ MSL. Trees beginning 1348’ from DER, 81’ left of centerline, up to 48’ AGL/128’ MSL. Trees beginning 1406’ from DER, 67’ left of centerline, up to 129’ MSL. Trees beginning 1492’ from DER, 174’ left of centerline, up to 50’ AGL/130’ MSL. Trees beginning 1675’ from DER, 236’ left of centerline, up to 56’ AGL/136’ MSL. Tree 1778’ from DER, 924’ right of centerline, 124’ MSL. Rwy 24, pole 787’ from DER, 656’ right of centerline, 38’ AGL/120’ MSL. Tree, pole beginning 826’ from DER, 559’ left of centerline, up to 131’ MSL. Tree 1063’ from DER, 781’ right of centerline, 137’ MSL. Tree 1592’ from DER, 892’ left of centerline, 141’ MSL. Trees beginning 1976’ from DER, 188’ left of centerline, up to 142’ MSL. Rwy 33L, trees beginning 37’ from DER, 467’ right of centerline, up to 47’ AGL/145’ MSL. Vehicles on road, tree beginning 82’ from DER, 309’ left of centerline, up to 112’ MSL. Tree, pole, vehicles on road beginning 392’ from DER, 250’ left of centerline, up to 116’ MSL. Trees beginning 551’ from DER, 569’ right of centerline, up to 149’ MSL. Trees beginning 563’ from DER, 487’ right of centerline, up to 50’ AGL/151’ MSL. Tree 567’ from DER, 637’ right of centerline, 153’ MSL. Trees beginning 579’ from DER, 534’ right of centerline, up to 53’ AGL/154’ MSL. Trees beginning 658’ from DER, 519’ right of centerline, up to 53’ AGL/155’ MSL. Tree 680’ from DER, 483’ left of centerline, 118’ MSL. Trees beginning 692’ from DER, 501’ right of centerline, up to 55’ AGL/158’ MSL. Pole 699’ from DER, 504’ left of centerline, 32’ AGL/132’ MSL. Pole, building tree beginning 719’ from DER, 325’ left of centerline, up to 40’ AGL/140’ MSL. Trees beginning 860’ from DER, 394’ right of centerline, up to 55’ AGL/159’ MSL. Tree, tank beginning 1075’ from DER, 127’ left of centerline, up to 142’ MSL. Tree 1223’ from DER, 187’ left of centerline, 143’ MSL. Trees beginning 1224’ from DER, 141’ left of centerline, up to 42’ AGL/145’ MSL. Trees beginning 1263’ from DER, 61’ left of centerline, up to 43’ AGL/146’ MSL. Tree, pole beginning 1380’ from DER, 3’ right of centerline, up to 55’ AGL/160’ MSL. Trees beginning 1319’ from DER, 31’ left of centerline, up to 47’ AGL/150’ MSL. Trees beginning 1523’ from DER, 107’ left of centerline, up to 52’ AGL/155’ MSL. Tower, tree beginning 1528’ from DER, 17’ left of centerline, up to 61’ AGL/163’ MSL.
NEW YORK, NY (CON’T)
NEW YORK STEWART INTL (SWF)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 6B 19227 (FAA)
TAKEOFF MINIMUMS: Rw 16, std. w/min. climb of 255’ per NM to 2100 or 1500-2½ for climb in visual conditions. Rw 27, 300-1 or std. w/min. climb of 400’ per NM to 800. Rw 34, 300-1 or std. w/min. climb of 503’ per NM to 800.
DEPARTURE PROCEDURE: Rw 9, climb heading 087° to 2100 before proceeding on course. Rw 16, climb heading 161° to 1800 before proceeding on course. For climb in visual conditions: cross New York Stewart Int’l airport at or above 1800 MSL before proceeding on course. When executing VCOA, notify ATC prior to departure. Rw 27, climb heading 272° to 1200 before turning south.
TAKEOFF OBSTACLE NOTES: Rw 9, trees beginning 68’ from DER, 132’ left of centerline, up to 43’ AGL/487’ MSL. Trees beginning 727’ from DER, 23’ left of centerline, up to 95’ AGL/546’ MSL. Trees beginning 955’ from DER, 21’ right of centerline, up to 86’ AGL/535’ MSL. Trees beginning 2692’ from DER, 659’ left of centerline, up to 78’ AGL/587’ MSL. Rw 16, trees beginning 785’ from DER, 462’ left of centerline, up to 70’ AGL/466’ MSL. Trees beginning 1255’ from DER, 562’ right of centerline, up to 109’ AGL/492’ MSL. Rw 27, airport sign 10’ from DER, 54’ left of centerline, 2’ AGL/491’ MSL. Building 694’ from DER, 2’ right of centerline, 16’ AGL/509’ MSL. Terrain, DME antenna, and trees beginning 599’ from DER, 246’ left of centerline, up to 38’ AGL/537’ MSL. Trees beginning 2259’ from DER, 197’ left of centerline, up to 86’ AGL/600’ MSL. Trees 3454’ from DER, 1400’ left of centerline, up to 118’ AGL/667’ MSL. Trees beginning 4122’ from DER, 1441’ right of centerline, up to 108’ AGL/627’ MSL. Rw 34, terrain beginning 77’ from DER, 250’ right of centerline, up to 475’ MSL. Poles and trees beginning 1094’ from DER, 157’ right of centerline, up to 72’ AGL/571’ MSL. Trees 1045’ from DER, 597’ left of centerline , up to 83’ AGL/542’ MSL. Trees beginning 1773’ from DER, 49’ left of centerline, up to 98’ AGL/587’ MSL. Trees beginning 2422’ from DER, 70’ right of centerline, up to 72’ AGL/601’ MSL. Trees 2473’ from DER, 910’ right of centerline, up to 70’ AGL/629’ MSL. Trees 3207’ from DER, 1345’ right of centerline, up to 78’ AGL/657’ MSL. Trees beginning 4426’ from DER, 244’ left of centerline, up to 72’ AGL/611’ MSL. Trees 5527’ from DER, 83’ right of centerline, up to 83’ AGL/612’ MSL.

WEST 30TH ST (JRA)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 17117 (FAA)
DEPARTURE PROCEDURE: Use JEDIL DEPARTURE.

NEWARK, NJ
NEWARK LIBERTY INTL (EWR)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 5 10042 (FAA)
TAKEOFF MINIMUMS: Rw 4L, std. w/min. climb of 383’ per NM to 2500. Rw 4R, std. w/min. climb of 375’ per NM to 2500. Rw 11, std. w/min. climb of 361’ per NM to 2500. Rw 22L, std. w/min. climb of 337’ per NM to 2500. Rw 22R, std. w/min. climb of 331’ per NM to 2500. Rw 29, 400-2 or std. w/min. climb of 444’ per NM to 500.
DEPARTURE PROCEDURE: Rw 4R, climb heading 039° to 500 before turning right. Rw 22L, climb heading 219° to 500 before turning left. Rw 29, climb heading 288° to 800 before turning Eastbound.
TAKEOFF OBSTACLE NOTES: Rw 4L, tower, light, and multiple trees beginning 211’ from DER, 198’ left of centerline, up to 70’ AGL/89’ MSL. DME antenna and pole beginning 881’ from DER, 148’ right of centerline, up to 121’ AGL/131’ MSL. Rw 4R, DME antenna, tree, and multiple towers beginning 530’ from DER, 477’ left of centerline, up to 61’ AGL/82’ MSL. Tower, sign, tree, multiple buildings and poles beginning 1134’ from DER, 153’ right of centerline, up to 121’ AGL/131’ MSL. Rw 11, pole, tree, and multiple signs beginning 6’ from DER, 158’ right of centerline, up to 31’ AGL/50’ MSL. Sign, tree, road, fence, building, and multiple poles beginning 82’ from DER, 2’ left of centerline, up to 49’ AGL/68’ MSL. Rw 22L, pole 8’ from DER, 261’ left of centerline, 7’ AGL/16’ MSL. Rw 22R, light and multiple trees beginning 1829’ from DER, 307’ right of centerline, up to 55’ AGL/89’ MSL. Building 1.4 NM from DER, 1872’ left of centerline, 200’ AGL/227’ MSL. Rw 29, multiple poles, trees, signs and buildings beginning 209’ from DER, 242’ left of centerline, up to 110’ AGL/120’ MSL. Tree multiple signs and poles beginning 689’ from DER, 66’ right of centerline, up to 273’ AGL/358’ MSL. Building 6029’ from DER, 1624’ right of centerline, 273’ AGL/357’ MSL. Building 1.5 NM from DER, 2071’ right of centerline, 202’ AGL/328’ MSL.

NIAGARA FALLS, NY
NIAGARA FALLS INTL (IAG)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2A 07298 (FAA)
TAKEOFF MINIMUMS: Rwys 10L,10R,24, 300-1 or std. with a min. climb of 300’ per NM to 1700.
DEPARTURE PROCEDURE: Rw 6, climb heading 060° to 1200 before proceeding on course. Rwys 10L,10R,24 climb runway heading to 1700 before proceeding on course. Rwys 28L, 28R, climb heading 280° to 1200 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rw 6, tree 1737’ from DER, 308’ left of centerline, 60’ AGL/647’ MSL. Rw 28L, trees beginning 1668’ from DER, 244’ right of centerline, up to 74’ AGL/654’ MSL. Trees beginning 1337’ from DER, 62’ left of centerline, up to 63’ AGL/646’ MSL. Bush 625’ from DER, 172’ right of centerline, 26’ AGL/611’ MSL. Rw 28R, trees beginning 866’ from DER, 105’ right of centerline, up to 100’ AGL/690’ MSL. Trees beginning 837’ from DER, 321’ left of centerline, up to 87’ AGL/667’ MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

NORWICH, NY
LT WARREN EATON (OIC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 15288 (FAA)
TAKEOFF MINIMUMS: Rwys 1, 700-3 w/min. climb of 325' to 2300 or std. w/min. climb of 495' per NM to 1900 or 1600-3 for climb in visual conditions. Rwys 19, 700-3 w/min. climb of 270' per NM to 2100 or std. w/min. climb of 804' per NM to 1900 or 1600-3 for climb in visual conditions.
DEPARTURE PROCEDURE: Rwys 1, climb heading 014° to 2200 before proceeding on course. Rwys 19, climb heading 194° to 2100 before proceeding on course.
VCOA: Rwys 1,19, obtain ATC approval for climb in visual conditions to requested FR clearance. Climb in visual conditions to cross LT Warren Eaton airport at or above 2500 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rwys 1, vehicles on roadway beginning 22' from DER, 128' left of centerline, up to 15' AGL/1034' MSL. Trees beginning 96' from DER, 303' left of centerline, up to 44' AGL/1063' MSL. Trees beginning 339' from DER, 211' right of centerline, up to 63' AGL/1082' MSL. Rising terrain and trees beginning 1005' from DER, 10' left of centerline, up to 91' AGL/1099' MSL. Rising terrain and trees beginning 5954' from DER, 1482' right of centerline, up to 88' AGL/1685' MSL. Trees and buildings beginning 1.9 miles from DER, 1920' right of centerline, up to 88' AGL/1669' MSL. Rising terrain and trees beginning 2 NM from DER, 1981' right of centerline, up to 84' AGL/1685' MSL. Trees beginning 2.6 NM from DER, 2230' right of centerline, up to 110' AGL/1651' MSL. Rwys 19, trees and poles beginning 49' from DER, 30' left of centerline, up to 59' AGL/1080' MSL. Fence 77' from DER, 476' right of centerline, 8' AGL/1025' MSL. Trees and poles beginning 387' from DER, 8' right of centerline, up to 64' AGL/1065' MSL. Trees, poles and buildings beginning 1057' from DER, 78' right of centerline, up to 76' AGL/1197' MSL. Trees beginning 1571' from DER, 6' left of centerline, up to 87' AGL/1088' MSL. Vehicles on roadway beginning 1692' from DER, 448' right of centerline, up to 17' AGL/1076' MSL. Rising terrain, trees and buildings beginning 2126' from DER, 75' right of centerline, up to 67' AGL/1273' MSL. Trees 2370' from DER, 982' right of centerline, up to 100' AGL/1252' MSL. Trees beginning 1.6 NM from DER, 1188' right of centerline, up to 101' AGL/1626' MSL. Trees beginning 2.3 NM from DER, 3561' right of centerline, up to 85' AGL/1626' MSL. Trees beginning 2.8 NM from DER, 1188' right of centerline, up to 120' AGL/1581' MSL. Rising terrain and trees beginning 3.2 NM from DER, 2666' right of centerline, up to 98' AGL/1819' MSL.

OGDENSBURG, NY
OGDENSBURG INTL (OGS)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 16259 (FAA)
TAKEOFF OBSTACLE NOTES: Rwys 09, tree 314' from DER, 483' left of centerline, 37' AGL/341' MSL. Trees, beginning 878' from DER, 90' left of centerline, up to 58' AGL/373' MSL. Pole 1048' from DER, 741' right of centerline, 39' AGL/344' MSL. Trees, beginning 1153' from DER, 147' right of centerline, up to 59' AGL/366' MSL. Rwys 27, sign 6' from DER, 394' left of centerline, 3' AGL/288' MSL. Vegetation, terrain, beginning 47' from DER, 313' right of centerline, up to 2' AGL/292' MSL. Terrain 72' from DER, 352' right of centerline, 289' MSL. Bldg 583' from DER, 474' left of centerline, 47' AGL/329' MSL. Trees, beginning 698' from DER, 181' left of centerline, up to 56' AGL/337' MSL. Tree 997' from DER, 532' right of centerline, 60' AGL/341' MSL. Trees, beginning 1015' from DER, 62' right of centerline, up to 69' AGL/350' MSL. Trees, beginning 1216' from DER, 56' right of centerline, up to 95' AGL/376' MSL. Trees, beginning 1251' from DER, 33' left of centerline, up to 75' AGL/353' MSL. Tree 2345' from DER, 150' left of centerline, 354' MSL. Tree 4155' from DER, 269' left of centerline, 390' MSL.

OLD BRIDGE, NJ
OLD BRIDGE (3N6)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 09239 (FAA)
TAKEOFF MINIMUMS: Rwys 24, 300-2½ or std. w/min. climb of 223' per NM to 400.
TAKEOFF OBSTACLE NOTES: Rwys 6, trees beginning 49' from DER, 4' left and right of centerline, up to 100' AGL/199' MSL. Rwys 24, trees beginning 47' from DER, 46' left and right of centerline, up to 100' AGL/299' MSL.

OLEAN, NY
CATTARAJAGUS COUNTY-OLEAN (OLE)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3A 19059 (FAA)
TAKEOFF MINIMUMS: Rwys 16, 34, NA-Environmental.
TAKEOFF OBSTACLE NOTES: Rwys 4, trees beginning 10' from DER, 348' left of centerline, up to 49' AGL/2150' MSL. Trees beginning 41' from DER, 328' right of centerline, up to 2130' MSL. Tree 981' from DER, 577' left of centerline, 69' AGL/2154' MSL. Tree 1262' from DER, 764' left of centerline, 2156' MSL. Tree 1754' from DER, 905' left of centerline, 2184' MSL. Trees beginning 1902' from DER, 906' left of centerline, up to 2189' MSL. Rwys 22, trees beginning 26' from DER, 65' left of centerline, up to 2188' MSL.
PENN YAN, NY (CON’T)

Rwy 10 (CON’T), buildings beginning 248’ from DER, 48’ left of centerline, up to 30’ AGL/949’ MSL. Light poles beginning 308’ from DER, 25’ right of centerline, 16’ AGL/927’ MSL. Trees 543’ from DER, 170’ left of centerline, 100’ AGL/1019’ MSL. Buildings beginning 565’ from DER, 94’ left of centerline, 30’ AGL/949’ MSL. Trees 513’ left of centerline, 187’ left of centerline, 100’ AGL/1019’ MSL. Power lines 1200’ from DER, crossing centerline, 40’ AGL/959’ MSL. Rwy 19, aircraft on taxiway 24’ from DER, 261’ right of centerline, up to 23’ AGL/1022’ MSL. Ground beginning 124’ from DER, 479’ right of centerline, up to 986’ MSL. Fence 348’ from DER, 398’ right of centerline, 2’ AGL/1001’ MSL. Ground 460’ from DER, 590’ right of centerline, 1008’ MSL. Fence 483’ from DER, 398’ right of centerline, 3’ AGL/1006’ MSL. Fence 606’ from DER, 398’ right of centerline, 7’ AGL/1010’ MSL. Ground beginning 631’ from DER, 459’ right of centerline, up to 1027’ MSL. Trees beginning 1439’ from DER, 673’ right of centerline, up to 1087’ MSL. Trees beginning 1886’ from DER, on centerline, up to 95’ AGL/1110’ MSL. Tree 2238’ from DER, 655’ left of centerline, 1045’ MSL. Trees beginning 2242’ from DER, 540’ left of centerline, up to 1107’ MSL. Tree 2422’ from DER, 116’ left of centerline, up to 1111’ MSL. Tower 5844’ from DER, 335’ right of centerline, 122’ AGL/1136’ MSL. Trees beginning 1.6 NM from DER, 3037’ left of centerline, 100’ AGL/1242’ MSL. Trees 1.7 NM from DER, 2791’ left of centerline, up to 100’ AGL/1260’ MSL. Trees beginning 1.9 NM from DER, 2748’ left of centerline, up to 100’ AGL/1291’ MSL. Trees, transmission lines beginning 1.9 nm from DER, 2939’ left of centerline, up to 100’ AGL/1350’ MSL. Trees, transmission lines beginning 2 NM from DER, 2907’ left of centerline, up to 100’ AGL/1396’ MSL. Trees, transmission lines beginning 2.1 NM from DER, 3098’ left of centerline, up to 100’ AGL/1419’ MSL. Trees, transmission lines, buildings beginning 2.2 NM from DER, 3085’ left of centerline, up to 100’ AGL/1452’ MSL. Trees beginning 2.5 NM from DER, 71’ left of centerline, up to 100’ AGL/1465’ MSL. Rwy 28, trees 111’ from DER, 15’ right of centerline, up to 100’ AGL/939’ MSL. Trees 192’ from DER, 59’ left of centerline, up to 100’ AGL/959’ MSL. Fence 16’ from DER, on centerline, up to 8’ AGL/867’ MSL. Vehicles on ramp 20’ from DER, on centerline, up to 15’ AGL/874’ MSL. Hangars and buildings 76’ from DER, 63’ right of centerline, up to 30’ AGL/869’ MSL.

PENSECO, NY

PENSECO (K09)

TAKEOFF MINIMUMS AND (OBLAST) DEPARTURE PROCEDURES

ORIG 12208 (FAA)

TAKEOFF MINIMUMS AND (OBLAST) DEPARTURE PROCEDURES

Rwy 4, std. w/min. climb of 539’ per NM to 2800 or 600-3 w/min. climb of 316’ per NM to 4500 or 2000-3 for climb in visual conditions.

DEPARTURE PROCEDURE: Rwy 4, heading 045° to 4500 before turning on course, or for climb in visual conditions cross Penseco airport at or above 3600 before proceeding on course. When executing VCOA, notify ATC prior to departure.

Rwy 22, climb heading 225° to 3500 before turning on course, or for climb in visual conditions cross Penseco airport at or above 3600 before proceeding on course. When executing VCOA, notify ATC prior to departure.

TAKEOFF OBSTACLE NOTES: Rwy 4, trees 343’ from DER, 192’ right of centerline, up to 100’ AGL/2244’ MSL. Trees 1.8 NM from DER, 2104’ left of centerline, up to 100’ AGL/2290’ MSL. Rwy 22, trees 415’ from DER, 1433’ right of centerline, up to 100’ AGL/2520’ MSL.
POUGKEEPSIE, NY
HUDSON VALLEY RGNL (POU)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2A 17173 (FAA)
TAKEOFF MINIMUMS: Rwy 7, 25, NA - VFR only. Rwy 6, 500-3 w/min. climb of 250' per NM to 1000 or std. w/min. climb of 537' per NM to 800 or 1700-2½ for climb in visual conditions. Rwy 15, 400-2½ or std. w/min. climb of 370' per NM to 700. Rwy 33, 300-1½ or std. w/min. climb of 270' per NM to 500.
DEPARTURE PROCEDURE: Rwy 6, climb heading 063° to 2000 before proceeding on course. Rwy 15, climbing left turn direct IGN VOR/DME to 1400 before proceeding on course. Rwy 24, climbing right turn direct IGN VOR/DME then on IGN R-070 to 2200 before proceeding on course.
VCOA: Rwy 6, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions across Hudson Valley Rgnl Airport at or above 1700 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rwy 6, terrain and fences beginning 92' from DER, 64' right of centerline, up to 9' AGL/166' MSL. Fences beginning 372' from DER, 78' left of centerline, up to 9' AGL/168' MSL. Poles, trees, tower, and antenna beginning 185' from DER, 384' right of centerline, up to 101' AGL/255' MSL. Trees beginning 949' from DER, 86' right of centerline, up to 70' AGL/229' MSL. Terrain and trees beginning 881' from DER, 395' left of centerline, up to 81' AGL/228' MSL. Pole and trees beginning 2419' from DER, 6' left of centerline, up to 97' AGL/306' MSL. Pole, building, and trees beginning 2765' from DER, 16' right of centerline, up to 97' AGL/306' MSL. Trees 2754' from DER, 1232' left of centerline, up to 77' AGL/346' MSL. Transmission tower 2.5 NM from DER, 602' left of centerline, 132' AGL/604' MSL. Trees 2.8 NM from DER, 1482' left of centerline, up to 76' AGL/557' MSL. Rwy 15, sign, buildings, poles, and trees beginning 47' from DER, 88' left of centerline, up to 25' AGL/187' MSL. Fence, pole, buildings, and trees beginning 301' from DER, 85' right of centerline, up to 55' AGL/214' MSL. Buildings and trees beginning 107' from DER, 369' right of centerline, up to 65' AGL/224' MSL. Antenna, poles, buildings, and trees beginning 528' from DER, 19' right of centerline, up to 56' AGL/288' MSL. Poles and trees beginning 2687' from DER, 1' left of centerline, up to 56' AGL/315' MSL. Poles, buildings, and trees beginning 3436' from DER, 10' right of centerline, up to 86' AGL/315' MSL. Trees 3393' from DER, 1153' right of centerline, up to 83' AGL/322' MSL. Trees 1.6 NM from DER, 1787' left of centerline, up to 95' AGL/534' MSL. Trees 1.8 NM from DER, 3119' right of centerline, up to 46' AGL/455' MSL. Trees 33, sign 12' from DER, 85' right of centerline, 2' AGL/157' MSL. Pole, buildings, and trees beginning 100' from DER, 316' left of centerline, up to 80' AGL/229' MSL. Trees beginning 255' from DER, 241' right of centerline, up to 74' AGL/233' MSL. Trees beginning 606' from DER, 1' left of centerline, up to 102' AGL/221' MSL. Trees beginning 988' from centerline, 5' right of centerline, up to 111' AGL/230' MSL. Trees beginning 1598' from DER, 15' left of centerline, up to 98' AGL/307' MSL. Trees beginning 1832' from DER, 18' right of centerline, up to 114' AGL/295' MSL. Trees 4824' from DER, 1742' left of centerline, up to 81' AGL/322' MSL. Tank 1.1 NM from DER, 37' left of centerline, 105' AGL/360' MSL. Trees 1.2 NM from DER, 2094' right of centerline, up to 96' AGL/345' MSL. Rwy 24, vehicles on road and trees beginning 7' from DER, 280' left of centerline, up to 54' AGL/154' MSL. Trees beginning 71' from DER, 180' right of centerline, up to 77' AGL/182' MSL. Trees beginning 706' from DER, 487' left of centerline, up to 78' AGL/227' MSL. Trees beginning 661' from DER, 318' right of centerline, up to 130' AGL/230' MSL. Trees beginning 2072' from DER, 48' left of centerline, up to 112' AGL/265' MSL. Trees beginning 1936' from DER, 42' right of centerline, up to 137' AGL/270' MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

PRINCETON/ROCKY HILL, NJ
PRINCETON (39N)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 14149 (FAA)
TAKEOFF MINIMUMS: RwY 10, 400-2½ or std. w/min. climb of 310’ per NM to 700.
DEPARTURE PROCEDURE: RwY 10, climb heading 102° to 800 before turning left.
TAKEOFF OBSTACLE NOTES: RwY 10, trees beginning 35’ from DER, 300’ left of centerline, up to 21’ AGL/159’ MSL. Vehicles on road, buildings, signs, poles, transmission line tower and trees beginning 389’ from DER, 3’ left of centerline, up to 34’ AGL/223’ MSL. Tanks and trees beginning 1463’ from DER, 19’ left of centerline, up to 130’ AGL/270’ MSL. Towers and trees beginning 1.5 NM from DER, 938’ left of centerline, up to 208’ AGL/496’ MSL. Vehicles on road, building, poles and trees beginning 277’ from DER, 16’ right of centerline, up to 23’ AGL/151’ MSL. Vehicles on road, buildings, poles and trees beginning 491’ from DER, 6’ right of centerline, up to 36’ AGL/180’ MSL. RwY 28, vehicles on road and trees beginning 86’ from DER, 104’ right of centerline, up to 27’ AGL/140’ MSL. Trees 315’ from DER, 506’ right of centerline, up to 43’ AGL/180’ MSL. Towers and buildings beginning 17’ from DER, 248’ left of centerline, up to 25’ AGL/139’ MSL. Trees beginning 560’ from DER, 350’ left of centerline, 100’ AGL/279’ MSL. Trees beginning 86’ from DER, 453’ right of centerline, up to 77’ AGL/203’ MSL. Trees beginning 907’ from DER, 350’ left of centerline, 100’ AGL/279’ MSL. Trees beginning 35’ from DER, 104’ left of centerline, up to 56’ AGL/203’ MSL.

READINGTON, NJ
SOLBERG-HUNTERDON (N51)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 09211 (FAA)
TAKEOFF MINIMUMS: RwY 31, std. w/min. climb of 405’ per NM to 1400 or 1300-2½ for climb in visual conditions.
DEPARTURE PROCEDURE: RwY 31, for climb in visual conditions; cross Solberg-Hunterdon airport at or above 1300 before proceeding on course.
TAKEOFF OBSTACLE NOTES: RwY 4, tree 907’ from DER, 712’ left of centerline, 100’ AGL/279’ MSL. Trees beginning 431’ from DER, 82’ right of centerline, up to 100’ AGL/279’ MSL. RwY 13, tree 47’ from DER, 453’ left of centerline, 100’ AGL/279’ MSL. Tree 88’ from DER, 170’ right of centerline, up to 100’ AGL/279’ MSL. RwY 22, tree 185’ from DER, 350’ left of centerline, 100’ AGL/299’ MSL. Trees beginning 103’ from DER, 95’ right of centerline, up to 100’ AGL/299’ MSL. RwY 31, trees beginning 372’ from DER, 40’ left of centerline, up to 100’ AGL/378’ MSL. Tree 257’ from DER, 441’ right of centerline, 100’ AGL/299’ MSL.

ROBBINSVILLE, NJ
TRENTON-ROBBINSVILLE (N87)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2A 15288 (FAA)
TAKEOFF MINIMUMS: RwY 29, 300-1 or std. w/min. climb of 421’ per NM to 800.
DEPARTURE PROCEDURE: RwY 29, climb heading 289° to 800 before turning right.
TAKEOFF OBSTACLE NOTES: RwY 11, trees beginning 39’ from DER, 267’ right of centerline, up to 87’ AGL/198’ MSL. Vehicles on roadway beginning 49’ from DER, left and right of centerline, up to 17’ AGL/132’ MSL.

ROBBINSVILLE, NJ (CON’T)
TRENTON-ROBBINSVILLE (N87) (CON’T)
RwY 11 (CON’T), trees beginning 105’ from DER, left and right of centerline, up to 90’ AGL/202’ MSL. Building 789’ from DER, 521’ left of centerline, 32’ AGL/148’ MSL. Trees beginning 834’ from DER, left and right of centerline, up to 120’ AGL/259’ MSL. Tower 4577’ from DER, 1402’ right of centerline, 116’ AGL/256’ MSL. RwY 29, rising terrain, vehicles on roadway and trees beginning 37’ from DER, 22’ left of centerline, up to 77’ AGL/198’ MSL. Vehicles on roadway, poles and trees beginning 50’ from DER, 5’ right of centerline, up to 68’ AGL/187’ MSL. Rising terrain, poles and trees beginning 757’ from DER, 20’ right of centerline, up to 97’ AGL/230’ MSL. Rising terrain, buildings, poles and trees beginning 761’ from DER, 12’ left of centerline, up to 105’ AGL/230’ MSL. Towers beginning 4909’ from DER, 589’ right of centerline, up to 167’ AGL/287’ MSL.

ROCHESTER, NY
GREATER ROCHESTER INTL (ROC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 8 14093 (FAA)
TAKEOFF MINIMUMS: RwY 7, 300-1% or std. w/min. climb of 206’ per NM to 900, or alternatively, with standard takeoff minimums and a normal 200’ per NM climb gradient, takeoff must occur no later than 1300’ prior to DER. RwY 10, std. w/min. climb of 250’ per NM to 900 or 1000-2½ for climb in visual conditions. RwY 22, 400-2% or std. w/min. climb of 240’ per NM to 1100.
DEPARTURE PROCEDURE: RwY 4, climb heading 044° to 1200 before turning left. RwY 10, for climb in visual conditions, cross greater Rochester Intl airport at or above 1400 before proceeding on course. When executing VCOA, notify ATC prior to departure.
TAKEOFF OBSTACLE NOTES: RwY 4, tree 2081’ from DER, 532’ left of centerline, 53’ AGL/612’ MSL. Tree 3890’ from DER, 1119’ right of centerline, 100’ AGL/659’ MSL. Tower 1806’ from DER, 817’ right of centerline, 60’ AGL/611’ MSL. RwY 7, dome 1.4 NM from DER, 1164’ right of centerline, 213’ AGL/756’ MSL. Trees beginning 2732’ from DER, 426’ left of centerline, up to 93’ AGL/622’ MSL. RwY 10, dome 1.1 NM from DER, 1543’ left of centerline, 213’ AGL/756’ MSL. Trees beginning 743’ from DER, 248’ left of centerline, up to 100’ AGL/636’ MSL. Tree beginning 2676’ from DER, 112’ right of centerline, up to 85’ AGL/616’ MSL. Pole 950’ from DER, 655’ right of centerline, 41’ AGL/570’ MSL. RwY 22, tower 2.2 NM from DER, 3550’ right of centerline, 122’ AGL/934’ MSL. Tree 1997’ from DER, 832’ right of centerline, up to 63’ AGL/587’ MSL. Tree 3026’ from DER, 935’ left of centerline, 105’ AGL/621’ MSL. RwY 25, transmission line tower 1523’ from DER, 819’ left of centerline, 61’ AGL/592’ MSL. Poles beginning 1655’ from DER, 330’ left of centerline, up to 82’ AGL/617’ MSL. RwY 28, railroad beginning 326’ from DER, 539’ right of centerline, 23’ AGL/574’ MSL. Transmission line towers beginning 1239’ from DER, 253’ left of centerline, up to 75’ AGL/614’ MSL. Trees beginning 807’ from DER, 148’ left of centerline, up to 87’ AGL/626’ MSL. Trees beginning 887’ from DER, 113’ right of centerline, up to 91’ AGL/632’ MSL.
SARANAC LAKE, NY
ADIRONDACK RGNL (SLK) (CON’T)

Rwy 9 (CON’T), trees beginning 784’ from DER, 453’ right of centerline, up to 1684’ MSL. Trees beginning 99’ from DER, 86’ right of centerline, up to 51’ AGL/1678’ MSL. Trees beginning 1031’ from DER, 52’ left of centerline, up to 1693’ MSL. Tree 1459’ from DER, 0’ of centerline, 1692’ MSL. Trees beginning 1491’ from DER, 28’ right of centerline, up to 1684’ MSL. Trees beginning 1813’ from DER, 25’ right of centerline, up to 1691’ MSL. Trees beginning 2007’ from DER, 24’ left of centerline, up to 1697’ MSL. Trees beginning 2100’ from DER, 16’ right of centerline, up to 1686’ MSL. Trees beginning 3006’ from DER, 45’ right of centerline, up to 1750’ MSL. Trees beginning 3149’ from DER, 45’ left of centerline, up to 1734’ MSL. Trees beginning 4011’ from DER, 41’ left of centerline, up to 1788’ MSL. Tree, tower beginning 5018’ from DER, 21’ right of centerline, up to 89’ AGL/1698’ MSL. Trees beginning 5150’ from DER, 7’ left of centerline, up to 1856’ MSL. Trees beginning 1 NM from DER, 12’ right of centerline, up to 1895’ MSL. Trees beginning 1.3 NM from DER, 108’ left of centerline, up to 1875’ MSL. Trees beginning 1.3 NM from DER, 742’ right of centerline, up to 2159’ MSL. Tower, tree beginning 1.3 NM from DER, 874’ right of centerline, up to 140’ AGL/2210’ MSL. Tree, tower, pole beginning 1.4 nm from DER, 318’ left of centerline, up to 1891’ MSL. Tree 1.8 NM from DER, 3112’ left of centerline, 1924’ MSL. Rwy 23, tree 93’ from DER, 498’ right of centerline, 1656’ MSL. Tree, tower, pole beginning 1.1 nm from DER, 538’ left of centerline, 1667’ MSL. Tree 517’ from DER, 511’ right of centerline, 1669’ MSL. Trees beginning 666’ from DER, 532’ left of centerline, up to 1665’ MSL. Tree 810’ from DER, 448’ right of centerline, 1672’ MSL. Tree 848’ from DER, 592’ right of centerline, 1674’ MSL. Tree 951’ from DER, 687’ left of centerline, 1679’ MSL. Tree 1072’ from DER, 683’ right of centerline, 1676’ MSL. Trees beginning 1074’ from DER, 188’ right of centerline, up to 1682’ MSL. Trees beginning 1096’ from DER, 290’ left of centerline, up to 1686’ MSL. Tree 1210’ from DER, 738’ left of centerline, 1703’ MSL. Tree 1292’ from DER, 407’ right of centerline, 1685’ MSL. Tree 1305’ from DER, 617’ left of centerline, 86’ AGL/1710’ MSL. Tree 1308’ from DER, 460’ left of centerline, 1711’ MSL. Tree 1313’ from DER, 569’ left of centerline, 1713’ MSL. Trees beginning 1343’ from DER, 63’ left of centerline, up to 96’ AGL/1720’ MSL. Trees beginning 1451’ from DER, 69’ right of centerline, up to 1698’ MSL. Trees beginning 1515’ from DER, 52’ left of centerline, up to 1722’ MSL. Trees beginning 1660’ from DER, 421’ right of centerline, up to 1704’ MSL. Trees beginning 1846’ from DER, 21’ right of centerline, up to 1706’ MSL. Trees beginning 1954’ from DER, 50’ right of centerline, up to 87’ AGL/1711’ MSL. Tree 2151’ from DER, 340’ left of centerline, 1742’ MSL. Trees beginning 2160’ from DER, 116’ right of centerline, up to 1716’ MSL. Trees beginning 2226’ from DER, 253’ right of centerline, up to 1718’ MSL. Trees beginning 2255’ from DER, 17’ left of centerline, up to 1745’ MSL. Trees beginning 2274’ from DER, 304’ right of centerline, up to 1719’ MSL. Trees beginning 2620’ from DER, 138’ right of centerline, up to 1720’ MSL. Trees beginning 2754’ from DER, 290’ right of centerline, up to 1728’ MSL. Rwy 27, tree, vegetation beginning 109’ from DER, 249’ right of centerline, up to 1677’ MSL. Trees beginning 256’ from DER, 14’ right of centerline, up to 1680’ MSL. Trees beginning 532’ from DER, 35’ right of centerline, up to 78’ AGL/1710’ MSL. Tree 600’ from DER, 128’ left of centerline, 1669’ MSL. Trees beginning 749’ from DER, 6’ right of centerline, up to 1729’ MSL. CON’T

SARANAC LAKE, NY
ADIRONDACK RGNL (SLK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)

RAVINE ONTO MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)
SARANAC LAKE, NY (CON’T)
ADIRONDACK RGNL (SLK) (CON’T)

Rwy 27 (CON’T), tree 766’ from DER, 377’ left of centerline, 1672’ MSL. Trees beginning 894’ from DER, 203’ left of centerline, up to 1674’ MSL. Trees beginning 1083’ from DER, 392’ left of centerline, up to 1685’ MSL. Trees beginning 1455’ from DER, 117’ left of centerline, up to 64’ AGL/1691’ MSL. Trees beginning 1752’ from DER, 422’ left of centerline, up to 80’ AGL/1704’ MSL. Trees beginning 1905’ from DER, 21’ left of centerline, up to 1718’ MSL. Trees beginning 2076’ from DER, 18’ right of centerline, up to 1733’ MSL. Trees beginning 2257’ from DER, 116’ left of centerline, up to 1719’ MSL. Trees beginning 2543’ from DER, 151’ left of centerline, up to 1721’ MSL. Trees beginning 2554’ from DER, 103’ right of centerline, up to 1746’ MSL. Trees beginning 3111’ from DER, 454’ right of centerline, up to 1751’ MSL. Trees beginning 3378’ from DER, 672’ right of centerline, up to 1756’ MSL. Tree 3889’ from DER, 356’ left of centerline, 1740’ MSL.

SARATOGA SPRINGS, NY
SARATOGA COUNTY (SB2)
TAKEOFF MINIMUMS AND OBSTACLE
DEPARTURE PROCEDURES
AMDT 4 13122 (FAA)
TAKEOFF MINIMUMS: Rwy 32, std. w/min. climb of 320’ per NM to 2700 or 1500-2’ for climb in visual conditions.

DEPARTURE PROCEDURE: Rwy 5, climb heading 053° to 1600 before proceeding on course. Rwy 14, climb heading 143° to 1100 before proceeding on course. Rwy 23, climb heading 233° to 1100 before proceeding on course. Rwy 32, for climb in visual conditions, cross Saratoga County Airport at or above 1800 before proceeding on course.

TAKEOFF OBSTACLE NOTES: Rwy 5, trees beginning 111’ from DER, 521’ left of centerline, up to 100’ AGL/529’ MSL. Trees beginning 138’ from DER, 508’ right of centerline, up to 100’ AGL/535’ MSL. Trees beginning 1112’ from DER, 571’ right of centerline, up to 86’ AGL/506’ MSL. Trees beginning 1232’ from DER, 572’ left of centerline, up to 60’ AGL/489’ MSL.

Rwy 14, trees beginning 40’ from DER, left and right of centerline, up to 100’ AGL/529’ MSL. Vehicles on road beginning 63’ from DER, left and right of centerline, up to 15’ AGL/442’ MSL. Poles beginning 533’ from DER, left and right of centerline, up to 41’ AGL/461’ MSL. Buildings beginning 624’ from DER, left and right of centerline, up to 51’ AGL/458’ MSL. Flag poles, 774’ from DER, 471’ left of centerline, 51’ AGL/477’ MSL. Power transmission lines beginning 1178’ from DER, left and right of centerline, up to 42’ AGL/474’ MSL. Rwy 23, trees beginning 197’ from DER, 426’ right of centerline, up to 100’ AGL/530’ MSL. Trees beginning 885’ from DER, 692’ left of centerline, up to 100’ AGL/539’ MSL. Trees beginning 1002’ from DER, 528’ left of centerline, up to 100’ AGL/530’ MSL. Trees beginning 1182’ from DER, 576’ right of centerline, up to 100’ AGL/530’ MSL.

Rwy 32, bushes and trees beginning 7’ from DER, left and right of centerline, up to 58’ AGL/528’ MSL. Building 1158’ from DER, 127’ left of centerline, up to 41’ AGL/461’ MSL. Trees beginning 3062’ from DER, left and right of centerline, up to 100’ AGL/516’ MSL. Power transmission towers beginning 10146’ from DER, 2895’ right of centerline, up to 151’ AGL/700’ MSL.

SCHENECTADY, NY
SCHENECTADY COUNTY (SCH)
TAKEOFF MINIMUMS AND OBSTACLE
DEPARTURE PROCEDURES
AMDT 6 19115 (FAA)
TAKEOFF MINIMUMS: Rwy 28, std. w/min. climb of 288’ per NM to 1900. 0120-2½ for VCOA.

DEPARTURE PROCEDURE: Rwy 22, climb on heading 235° to 1300 before turning right.

VCOA. Rwy 28, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Schenectady County airport at or above 1400 before proceeding on course.

TAKEOFF OBSTACLE NOTES: Rwy 4, vegetation 101’ from DER, 498’ left of centerline, 2’ AGL/401’ MSL. Tank, vegetation, tree beginning 133’ from DER, 191’ left of centerline, up to 130’ AGL/505’ MSL. Trees beginning 1053’ from DER, 481’ right of centerline, up to 100’ AGL/433’ MSL. Tree 1257’ from DER, 559’ right of centerline, 100’ AGL/433’ MSL. Trees beginning 1725’ from DER, on centerline and 530’ right of centerline, up to 84’ AGL/436’ MSL. Rwy 10, pole 2’ from DER, 81’ left of centerline, 332’ MSL. Pole 3’ from DER, 78’ right of centerline, 321’ MSL. Trees beginning 41’ from DER, 259’ right of centerline, up to 343’ MSL. Tree 57’ from DER, 410’ left of centerline, 332’ MSL. Tree, fence beginning 68’ from DER, 431’ left of centerline, up to 33’ AGL/352’ MSL. Tree, building beginning 807’ from DER, 218’ left of centerline, up to 357’ MSL. Tree 1015’ from DER, 712’ left of centerline, 358’ MSL. Buildings beginning 1019’ from DER, 574’ left of centerline, up to 57’ AGL/366’ MSL. Trees beginning 1176’ from DER, 400’ left of centerline, up to 369’ MSL. Rwy 22, trees beginning 486’ from DER, 789’ right of centerline, up to 101’ AGL/413’ MSL. Tree 1156’ from DER, 292’ left of centerline, 59’ AGL/349’ MSL. Tree 1215’ from DER, 679’ left of centerline, 80’ AGL/366’ MSL. Tree 2187’ from DER, 850’ right of centerline, 104’ AGL/403’ MSL. Rwy 26, tree 3’ from DER, 460’ left of centerline, 92’ AGL/410’ MSL. Trees, poles, buildings, traverse way beginning 18’ from DER, 430’ left and 53’ right of centerline, up to 420’ MSL. Trees beginning 1484’ from DER, 250’ right of centerline, up to 94’ AGL/415’ MSL. Trees beginning 1496’ from DER, 3’ right of centerline, up to 422’ MSL. Trees beginning 3699’ from DER, 670’ right of centerline, up to 461’ MSL. Tree 5450’ from DER, 1958’ right of centerline, up to 466’ MSL. Tree 5763’ from DER, 2004’ right of centerline, up to 100’ AGL/471’ MSL.

SENECA FALLS, NY
FINGER LAKES RGNL (0G7)
TAKEOFF MINIMUMS AND OBSTACLE
DEPARTURE PROCEDURES
ORIG-A 14261 (FAA)
TAKEOFF MINIMUMS: Rwy 1, 300-2 or std. w/min. climb of 275’ per NM to 1000. Rwys 11, 29 NA-Environmental.

TAKEOFF OBSTACLE NOTES: Rwy 1, trees, vehicle on road and tower beginning 401’ from DER, 407’ right of centerline, up to 306’ AGL/756’ MSL. Trees and pole beginning 571’ from DER, 332’ left of centerline, up to 73’ AGL/528’ MSL. Rwy 19, trees and building beginning 238’ from DER, 294’ right of centerline, up to 68’ AGL/557’ MSL. Building, trees, poles, bushes and vehicle on road beginning 189’ from DER, 270’ left of centerline, up to 57’ AGL/556’ MSL.
SHIRLEY, NY
BROOKHAVEN (HWV)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 07130 (FAA)
AMDT 5 14149 (FAA)
DEPARTURE PROCEDURES
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

SIDNEY, NY
SIDNEY MUNI (N23)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 18312 (FAA)
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

SOMERVILLE, NJ
SOMERSET (SMQ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 08353 (FAA)
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)
SOUTH BETHLEHEM, NY
SOUTH ALBANY (4B0)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09099 (FAA)
TAKEOFF MINIMUMS: RwY 1, 300-1%/or std. w/ min. climb of 290' per NM to 600. RwY 19, std. w/ min. climb of 415' per NM to 2000 or 1700-1%/for climb in visual conditions.
DEPARTURE PROCEDURE: RwY 1, climb heading 008° to 2000 before proceeding on course. RwY 19, climb via heading 188° to 2000 or for climb in visual conditions, cross South Albany airport at or above 1700 before proceeding on course. Do not exceed 180 knots until crossing South Albany airport on course.
TAKEOFF OBSTACLE NOTES: RwY 1, vehicles on road beginning 315' from DER, 425' right of centerline, up to 100’ AGL/234’ MSL. Vehicles on road 17’ from DER, 467’ left of centerline, 15’ AGL/224’ MSL. Trees 523’ from DER, 425’ right of centerline, up to 100’ AGL/299’ MSL.
Rwy 19, trains beginning 23’ from DER, left and right of centerline, 23’ AGL/318’ MSL.

SUSSEX, NJ
SUSSEX (FWN)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 14149 (FAA)
TAKEOFF MINIMUMS: RwY 3, 700-3 w/min. climb of 315’ per NM to 1500 or 1600-3 for climb in visual conditions. RwY 21, 600-3 w/min. climb of 295’ per NM to 1300 or 1600-3 for climb in visual conditions.
DEPARTURE PROCEDURE: RwY 3, climb heading 029° to 1300, then climbing right turn to 3000 direct SAX VORTAC before proceeding on course, or for climb in visual conditions cross Sussex airport at or above 1900 before proceeding on course. When executing VCOA, notify ATC prior to departure. RwY 21, climb heading 209° to 1500 before proceeding on course, or for climb in visual conditions cross Sussex airport at or above 1900 before proceeding on course. When executing VCOA, notify ATC prior to departure.
TAKEOFF OBSTACLE NOTES: RwY 3, vehicles on road beginning at DER, 87’ left of centerline, crossing centerline from left to right, up to 15’ AGL/434’ MSL. Building 260’ from DER, 120’ right of centerline, 25’ AGL/444’ MSL. Poles and catenaries beginning at DER, 215’ left of centerline, crossing centerline from left to right, up to 50’ AGL/469’ MSL. Tree 105’ from DER, 215’ left of centerline, 100’ AGL/519’ MSL. Trees beginning 278’ from DER, left and right of centerline, up to 100/579’ MSL. Tower 1.1 NM from DER, 580’ right of centerline, 89’ AGL/691’ MSL. Trees beginning 673’ from DER, left and right of centerline, up to 100’ AGL/799’ MSL. Trees beginning 1.8 NM from DER, left and right of centerline, up to 100’ AGL/1022’ MSL. RwY 21, hangs beginning at DER, 372’ left of centerline, up to 25’ AGL/444’ MSL. Buildings beginning 237’ from DER, 44’ left of centerline, up to 100’ AGL/444’ MSL. Vehicles on roadway beginning 170’ from DER, crossing centerline from left to right, up to 15’ AGL/454’ MSL. Poles beginning 336’ from DER, left and right of centerline, up to 50’ AGL/489’ MSL. Trees beginning 117’ from DER, left and right of centerline, up to 100’ AGL/519’ MSL. Trees beginning 1200’ from DER, 805’ left of centerline, up to 100’ AGL/579’ MSL. Trees beginning 4845’ from DER, left and right of centerline, up to 100’ AGL/759’ MSL. Trees beginning 1.4NM from DER, left and right of centerline, up to 100’ AGL/1019’ MSL.

SYRACUSE, NY
SYRACUSE HANCOCK INTL (SYR)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 8 17285 (FAA)
DEPARTURE PROCEDURE: RwY 10, climb heading 100° to 1500 before turning southbound. RwY 15, climb heading 132° to 2400 before turning southbound. RwY 28, climb heading 280° to 1100 before turning southbound.
Rwy 33, climb heading 327° to 1000 before turning southbound.
TAKEOFF OBSTACLE NOTES: RwY 10, NAVAID 5’ from DER, 119’ left of centerline, 3’ AGL/401’ MSL. NAVAID 5’ from DER, 119’ right of centerline, 3’ AGL/401’ MSL. NAVAID 6’ from DER, on centerline, 2’ AGL/402’ MSL. Signs beginning 54’ from DER, 219’ right of centerline, up to 7’ AGL/404’ MSL. Trees beginning 864’ from DER, 618’ right of centerline, up to 465’ MSL. Trees beginning 1434’ from DER, 744’ right of centerline, up to 474’ MSL. Trees beginning 2396’ from DER, 729’ right of centerline, up to 487’ MSL. Trees 2478’ from DER, 804’ left of centerline, 87’ AGL/472’ MSL. Trees 2557 from DER, 1094’ right of centerline, 96’ AGL/494’ MSL. Trees beginning 2700’ from DER, 822’ right of centerline, up to 497’ MSL. RwY 15, trees 255’ from DER, 463’ right of centerline, 414’ MSL. Trees 669’ from DER, 606’ left of centerline, 466’ MSL. Tree 742’ from DER, 528’ right of centerline, 444’ MSL. Tree 764’ from DER, 646’ right of centerline, 449’ MSL. Trees beginning 811’ from DER, 270’ left of centerline, up to 469’ MSL. Trees beginning 1331’ from DER, 215’ left of centerline, up to 475’ MSL. Tree 1853’ from DER, 282’ right of centerline, 39’ AGL/450’ MSL. Tree 1997’ from DER, 801’ right of centerline, 453’ MSL. Trees beginning 2562’ from DER, 237’ right of centerline, up to 479’ MSL. Trees beginning 2829’ from DER, 61’ left of centerline, up to 487’ MSL. Trees beginning 2931’ from DER, 39’ right of centerline, up to 487’ MSL. Tree 3026’ from DER, 763’ left of centerline, 494’ MSL. Trees 3172’ from DER, 626’ left of centerline, 86’ AGL/498’ MSL. Trees beginning 3197’ from DER, 194’ left of centerline, up to 504’ MSL. Trees beginning 3299’ from DER, 196’ right of centerline, up to 488’ MSL. Trees 3359’ from DER, 109’ right of centerline, 504’ MSL. Trees beginning 3362’ from DER, 179’ right of centerline, up to 88’ AGL/505’ MSL. RwY 28, pole 2456’ from DER, 949’ right of centerline, 85’ AGL/497’ MSL. RwY 33, trees beginning 749’ from DER, 222’ right of centerline, up to 466’ MSL. Trees beginning 1445’ from DER, 313’ right of centerline, up to 63’ AGL/467’ MSL. Trees beginning 1650’ from DER, 32’ left of centerline, up to 476’ MSL. Tree 1712’ from DER, 846’ right of centerline, 471’ MSL. Trees beginning 1770’ from DER, 294’ right of centerline, up to 71’ AGL/475’ MSL. Tree 1935’ from DER, 609’ right of centerline, 476’ MSL. Tree 2101’ from DER, 963’ left of centerline, 484’ MSL. Trees beginning 2329’ from DER, 849’ left of centerline, up to 96’ AGL/500’ MSL. Tree 3170’ from DER, 889’ right of centerline, 497’ MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

TETERBORO (TEB)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 8 14205 (FAA)
TAKEOFF MINIMUMS: Rw 1, 400-2/° or std. w/min. climb of 294' per NM to 500. Rw 6, 300-1/° or std. w/ min. climb of 263' per NM to 400. Rw 19, 600-2/° or std. w/min. climb of 352' per NM to 700. Rw 24, 400-1/° or std. w/min. climb of 444' per NM to 500.
DEPARTURE PROCEDURE: Rw 1, climbing right turn heading 040° to 900 before proceeding on course. Rw 6, climbing right turn heading 040° to 900 before proceeding on course. Rw 19, climbing heading 195° to 900 then climbing right turn on BWZ VORTAC R-10. Rw 24, climbing heading 240° to 1500 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rw 1, building, poles, and trees beginning 198' from DER, 147' left of centerline, up to 77' AGL/86' MSL. Building, poles, and trees beginning 508' from DER, 135' right of centerline, up to 65' AGL/74' MSL. Tree 1771' from DER, on centerline, 49' AGL/58' MSL. Buildings and trees beginning 4753' from DER, 127' left of centerline, up to 146' AGL/265' MSL. Building 5903' from DER, 1521' left of centerline, 160' AGL/224' MSL. Buildings beginning 1.5 NM from DER, 320' right of centerline, up to 206' AGL/285' MSL. Buildings beginning 1.8 NM from DER, 752' right of centerline, up to 249' AGL/314' MSL. Rw 6, signs beginning 20' from DER, 308' left of centerline, 1' AGL/8' MSL. Buildings, poles, trees, and sign beginning 26' from DER, 145' right of centerline, up to 44' AGL/53' MSL. Buildings and poles beginning 195' from DER, 297' left of centerline, up to 42' AGL/51' MSL. Vehicles on road beginning 274' from DER, left and right of centerline, up to 15' AGL/23' MSL. Buildings, poles, trees, and signs beginning 434' from DER, 7' left of centerline, up to 104' AGL/115' MSL. Buildings and trees beginning 1216' from DER, 57' right of centerline, up to 100' AGL/139' MSL. Stack 1.2 NM from DER, 854' right of centerline, 230' AGL/240' MSL. Rw 18, vehicles on road beginning 12' from DER, left and right of centerline, up to 15' AGL/21' MSL. Trees beginning 67' from DER, 373' left of centerline, up to 72' AGL/79' MSL. Buildings, fence, poles, and trees beginning 186' from DER, 40' right of centerline, up to 89' AGL/98' MSL. Localizer antenna 598' from DER, 74' left of centerline, 47' AGL/34' MSL. Trees beginning 795' from DER, left and right of centerline, up to 88' AGL/109' MSL. Towers and antennas beginning 1.1 NM from DER, 1370' right of centerline, up to 243' AGL/246' MSL. Monuments 1.7 NM from DER, 1331' right of centerline, up to 287' AGL/299' MSL. Towers and antennas beginning 1.9 NM from DER, 1643' right of centerline, up to 500' AGL/510' MSL. Rw 24, structures and trees beginning 26' from DER, 214' left of centerline, up to 67' AGL/76' MSL. Pole and trees beginning 249' from DER, 100' right of centerline, up to 54' AGL/103' MSL. Buildings, poles, sign, and trees beginning 2724' from DER, 536' right of centerline, up to 83' AGL/272' MSL. Trees beginning 5264' from DER, 1915' right of centerline, up to 100' AGL/309' MSL. Trees beginning 1.3 NM from DER, 1744' right of centerline, up to 88' AGL/217' MSL.

TICONDEROGA, NY
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 19003 (FAA)
TAKEOFF MINIMUMS: Rw 2, std. w/min. climb of 223' per NM to 5300, or 2800-3 for VCOA. Rw 20, std. w/min. climb of 346' per NM to 1700, or 2800-3 for VCOA.
DEPARTURE PROCEDURE: Rw 2, climb on a heading between 029° CW to 197° from DER. Rw 20, climb on a heading between 016° CW to 196° from DER. VCOA: All runways, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Ticonderoga Muni at or above 2900 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rw 2, sign 18' from DER, 118' left of centerline, 1' AGL/286' MSL. Tree 33' from DER, 279' right of centerline, 300' MSL. Trees beginning 40' from DER, 186' right of centerline, up to 43' AGL/302' MSL. Trees beginning 131' from DER, 23' right of centerline, up to 320' MSL. Tree 653' from DER, 63' left of centerline, 284' MSL. Trees beginning 717' from DER, 239' left of centerline, up to 286' MSL. Trees beginning 759' from DER, 431' left of centerline, up to 90' AGL/289' MSL. Tree 1068' from DER, 201' left of centerline, 292' MSL. Rw 20, tree 54' from DER, 262' left of centerline, 41' AGL/305' MSL. Trees beginning 74' from DER, 256' left of centerline, up to 318' MSL. Terrain 148' from DER, 185' right of centerline, 280' MSL. Terrain beginning 190' from DER, 362' right of centerline, up to 282' MSL. Trees beginning 331' from DER, 346' left of centerline, up to 328' MSL. Terrain beginning 382' from DER, 317' right of centerline, up to 298' MSL. Terrain beginning 503' from DER, 215' right of centerline, up to 288' MSL. Terrain 541' from DER, 396' right of centerline, 289' MSL. Terrain 607' from DER, 265' right of centerline, 290' MSL. Terrain beginning 737' from DER, 213' right of centerline, up to 294' MSL. Trees beginning 872' from DER, 173' left of centerline, up to 331' MSL. Terrain 934' from DER, 303' right of centerline, 298' MSL. Terrain 968' from DER, 221' right of centerline, 299' MSL. Terrain 1022' from DER, 420' right of centerline, 301' MSL. Trees beginning 1151' from DER, 51' right of centerline, up to 23' AGL/324' MSL. Trees beginning 1159' from DER, 286' right of centerline, up to 30' AGL/332' MSL. Tree and Terrain beginning 1165' from DER, 167' right of centerline, up to 33' AGL/333' MSL. Trees beginning 1400' from DER, 548' left of centerline, up to 341' MSL. Tree 1803' from DER, 708' right of centerline, 315' MSL. Trees beginning 1854' from DER, 47' AGL/34' MSL. Trees beginning 1618' from DER, 676' left of centerline, up to 357' MSL. Trees beginning 1681' from DER, 288' left of centerline, up to 100' AGL/359' MSL. Trees beginning 1827' from DER, 95' left of centerline, up to 104' AGL/365' MSL. Trees beginning 2053' from DER, 18' left of centerline, up to 374' MSL. Trees beginning 2956' from DER, 100' right of centerline, up to 357' MSL. Trees beginning 3379' from DER, 133' right of centerline, up to 364' MSL. Trees climbing on a course between Ticonderoga Muni at or above 2900 before requesting IFR clearance. Climb in visual conditions to cross Ticonderoga Muni at or above 2900 before proceeding on course.
TAKEOFF MINIMUMS: Rw 6, 300-1/° or std. w/min. climb of 278' per NM to 5000, or 2800-3 for VCOA. Rw 24, std. w/min. climb of 346' per NM to 1700, or 2800-3 for VCOA.
DEPARTURE PROCEDURE: Rw 6, climb on a heading between 029° CW to 197° from DER. Rw 24, climb on a heading between 016° CW to 196° from DER. VCOA: All runways, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Ticonderoga Muni at or above 2900 before proceeding on course.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

TOMS RIVER, NJ

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1B 18144 (FAA)

TAKEOFF MINIMUMS: Rwys 14, 32, NA.

TAKEOFF OBSTACLE NOTES: Rwys 6, trees beginning 67' from DER, 268' left of centerline, up to 44' AGL/109' MSL. Trees beginning 179' from DER, 510' right of centerline, up to 53' AGL/122' MSL. Trees beginning 255' from DER, 1' left of centerline, up to 62' AGL/121' MSL. Trees beginning 766' from DER, 65' right of centerline, up to 67' AGL/146' MSL. Rwys 24, terrain 52' from DER, 438' right of centerline, up to 77' MSL. Trees beginning 1078' from DER, 98' left of centerline, up to 24' AGL/108' MSL. Trees beginning 1333' from DER, 494' right of centerline, up to 37' AGL/120' MSL.

TRENTON, NJ

TRENTON MERCER (TTN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 13122 (FAA)

TAKEOFF OBSTACLE NOTES: Rwys 6, trees beginning 546' from DER, 546' right of centerline, up to 100' AGL/224' MSL. Vehicles on road beginning 719' from DER, left and right of centerline, up to 15' AGL/214' MSL. Trees beginning 1068' from DER, 13' right of centerline, up to 100' AGL/275' MSL. Trees beginning 1093' from DER, 290' left of centerline, up to 100' AGL/319' MSL. Trees and poles beginning 1972' from DER, 3' left of centerline, up to 100' AGL/332' MSL. Trees and tower beginning 2115' from DER, 5' right of centerline, up to 100' AGL/273' MSL. Rwys 16, trees beginning 56' from DER, 375' left of centerline, up to 69' AGL/236' MSL. Railroad cars beginning 415' from DER, left and right of centerline, up to 26' AGL/186' MSL. Trees beginning 582' from DER, 71' right of centerline, up to 68' AGL/228' MSL. Trees beginning 1462' from DER, 127' left of centerline, up to 85' AGL/238' MSL. Rwys 24, pole, building and vehicle beginning 41' from DER, 22' left of centerline, up to 32' AGL/185' MSL. Trees beginning 1844' from DER, 279' left of centerline, up to 103' AGL/271' MSL. Trees beginning 3232' from DER, 836' right of centerline, up to 119' AGL/256' MSL. Rwys 34, trees beginning 155' from DER, 303' right of centerline, up to 78' AGL/250' MSL. Trees beginning 1004' from DER, 333' left of centerline, up to 68' AGL/250' MSL. Trees beginning 1412' from DER, 706' right of centerline, up to 100' AGL/319' MSL.

VINELAND, NJ

KROELINGER (29N)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 18228 (FAA)

TAKEOFF MINIMUMS: Rwys 10, 300-1 or standard w/min. climb of 285' per NM to 400. Rwys 28, 300-1.

WATERTOWN, NY

WATERTOWN INTL (ART)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 18200 (FAA)

TAKEOFF MINIMUMS: Rwys 7, 300-1½ or std. w/min. climb of 270' per NM to 600. Rwys 10, 300-1½ w/min. climb of 220' per NM to 3000, or std. w/min. climb of 315' per NM to 600, or 1000-2½ with VCOA.

VCOA: Rwys 10, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Watertown Intl Airport at or above 1200 before proceeding on course.

TAKEOFF OBSTACLE NOTES: Rwys 7, vehicle on road 539' from DER, 532' left of centerline, 341' MSL. Trees beginning 787' from DER, 493' right of centerline, up to 55' AGL/378' MSL. Trees 811' from DER, 408' left of centerline, up to 43' AGL/363' MSL. Trees beginning 886' from DER, 478' left of centerline, up to 63' AGL/380' MSL. Tree 1024' from DER, 665' right of centerline, 63' AGL/386' MSL. Trees beginning 1092' from DER, 96' right of centerline, up to 387' MSL. Trees 1333' from DER, 246' right of centerline, up to 81' AGL/399' MSL. Trees beginning 4386' from DER, 699' left of centerline, 100' AGL/479' MSL. Trees beginning 5223' from DER, 262' left of centerline, up to 100' AGL/499' MSL. Trees beginning 1 nm from DER, 260' left of centerline, up to 100' AGL/509' MSL. Tree 1.1 NM from DER, 2095' of centerline, 100' AGL/519' MSL. Tree 1.3 NM from DER, 680' left of centerline, 100' AGL/559' MSL.

Rwys 10, vehicle on road 211' from DER, 526' right of centerline, 345' MSL. Trees beginning 380' from DER, 563' left of centerline, up to 363' MSL. Trees beginning 495' from DER, 396' right of centerline, up to 60' AGL/388' MSL. Tree 1239' from DER, 671' left of centerline, 367' MSL. Tree 1250' from DER, 789' left of centerline, 371' MSL. Trees beginning 1410' from DER, 733' left of centerline, up to 392' MSL. Trees beginning 2011' from DER, 811' right of centerline, up to 389' MSL. Trees beginning 2439' from DER, 839' right of centerline, up to 404' MSL. Tree 2515' from DER, 905' right of centerline, 407' MSL. Tree 2553' from DER, 1150' right of centerline, 409' MSL. Tree 2568' from DER, 966' right of centerline, 412' MSL. Trees beginning 2652' from DER, 541' right of centerline, up to 414' MSL. Trees beginning 2826' from DER, 635' right of centerline, up to 416' MSL. Trees beginning 2973' from DER, 300-1½ right of centerline, 438' MSL. Tree 4022' from DER, 1564' right of centerline, 462' MSL. Trees beginning 4141' from DER, 913' right of centerline, up to 487' MSL. Trees beginning 4480' from DER, 877' right of centerline, up to 491' MSL. Trees beginning 4779' from DER, 966' right of centerline, up to 496' MSL. Tree 4860' from DER, 1676' right of centerline, 513' MSL. Trees beginning 4871' from DER, 863' right of centerline, up to 515' MSL. Trees beginning 4966' from DER, 724' right of centerline, up to 65' AGL/520' MSL. Trees and poles beginning 5048' from DER, 574' right of centerline, up to 72' AGL/529' MSL. Rwys 28, tree 919' from DER, 356' right of centerline, 42' AGL/341' MSL. Tree 1582' from DER, 786' left of centerline, 66' AGL/359' MSL. Tree 1592' from DER, 331' left of centerline, 66' AGL/360' MSL. Tree 1863' from DER, 988' left of centerline, 75' AGL/370' MSL. Trees beginning 2572' from DER, 871' left of centerline, up to 381' MSL. Trees beginning 2704' from DER, 622' left of centerline, up to 102' AGL/390' MSL.
WEEDSPORT, NY
WHITFORDS (B16)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 19059 (FAA)
TAKEOFF MINIMUMS: Rwys 10, 28, 300-1.

WELLSVILLE, NY
WELLSVILLE MUNI AIRPORT,
TARANTINE FIELD (ELZ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
DEPARTURE PROCEDURE: Rwys 10, 28, climb runway heading to 2500 before proceeding on course.

WEST CREEK, NJ
EAGLES NEST (31E)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 18312 (FAA)
TAKEOFF MINIMUMS: Rw 14, 300-1 or std. w/min. climb of 470’ per NM to 400.
DEPARTURE PROCEDURE: Rw 14, climb heading 146° to 600 before turning right. Rw 32, climb heading 326° to 800 before turning left.
TAKEOFF OBSTACLE NOTES: Rw 14, trees beginning 35’ from DER, 35’ left of centerline, up to 100’ AGL/146’ MSL. Trees beginning 118’ from DER, 127’ right of centerline, up to 100’ AGL/133’ MSL. Trees beginning 752’ from DER, 31’ left of centerline, up to 100’ AGL/150’ MSL. Trees beginning 336’ from DER, 20’ right of centerline, up to 100’ AGL/140’ MSL. Trees beginning 2692’ from DER, 27’ right of centerline, up to 100’ AGL/146’ MSL. Trees beginning 2946’ from DER, 28’ left of centerline, up to 100’ AGL/153’ MSL. Tower and trees beginning 3961’ from DER, 82’ right of centerline, up to 234’ AGL/270’ MSL.
Rwy 32, trees beginning 48’ from DER, 320’ right of centerline, up to 100’ AGL/130’ MSL. Tree 133’ from DER, 442’ left of centerline, 100’ AGL/127’ MSL. Trees beginning 343’ from DER, 5’ left of centerline, up to 100’ AGL/130’ MSL. Trees beginning 427’ from DER, 50’ right of centerline, up to 100’ AGL/133’ MSL. Trees beginning 850’ from DER, 112’ left of centerline, up to 100’ AGL/133’ MSL. Trees beginning 1186’ from DER, 106’ right of centerline, up to 100’ AGL/137’ MSL. Trees beginning 1271’ from DER, 1’ left of centerline, up to 100’ AGL/137’ MSL. Trees beginning 1397’ from DER, 54’ right of centerline, up to 100’ AGL/143’ MSL. Trees beginning 3126’ from DER, 2’ right of centerline, up to 100’ AGL/146’ MSL. Trees beginning 4476’ from DER, 1532’ right of centerline, up to 100’ AGL/150’ MSL.

WEST MILFORD, NJ
GREENWOOD LAKE (4N1)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 12040 (FAA)
TAKEOFF MINIMUMS: Rw 6, std. w/min. climb of 260’ per NM to 1700; or, 1300 - 2½ for climb in visual conditions. Rw 24, 500 - 2½; or, 1300 - 2½ for climb in visual conditions.
DEPARTURE PROCEDURE: Rw 6, climb heading 061° to 1700 before proceeding on course, or for climb in visual conditions: cross Greenwood Lake Airport at or above 1900’ MSL before proceeding on course. When executing VCOA, notify ATC prior to departure. Rw 24, climb heading 241° to 1800 before proceeding on course, or for climb in visual conditions: cross Greenwood Lake Airport at or above 1900’ MSL before proceeding on course. When executing VCOA, notify ATC prior to departure.
TAKEOFF OBSTACLE NOTES: Rw 6, trees beginning 18’ from DER, across centerline, up to 100’ AGL/1284’ MSL. Rw 24, trees beginning 3’ from DER, across centerline, up to 100’ AGL/1191’ MSL.

WESTHAMPTON BEACH, NY
FRANCIS S. GABRESKI (FOK)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 12152 (FAA)
TAKEOFF MINIMUMS: Rw 6, 300-1½ or std. w/min. climb of 230’ per NM to 400, or alternatively, with standard takeoff minimums and a normal 200’ per NM climb gradient, takeoff must occur no later than 2000’ prior to DER.
TAKEOFF OBSTACLE NOTES: Rw 1, terrain and trees beginning 6’ from DER, 129’ left of centerline, up to 33’ AGL/107’ MSL. Trees beginning 1007’ from DER, 129’ left of centerline, up to 33’ AGL/107’ MSL. Trees beginning 2946’ from DER, 28’ left of centerline, up to 100’ AGL/153’ MSL. Tower and trees beginning 3961’ from DER, 82’ right of centerline, up to 234’ AGL/270’ MSL.
Rwy 32, trees beginning 48’ from DER, 320’ right of centerline, up to 100’ AGL/130’ MSL. Tree 133’ from DER, 442’ left of centerline, 100’ AGL/127’ MSL. Trees beginning 343’ from DER, 5’ left of centerline, up to 100’ AGL/130’ MSL. Trees beginning 427’ from DER, 50’ right of centerline, up to 100’ AGL/133’ MSL. Trees beginning 850’ from DER, 112’ left of centerline, up to 100’ AGL/133’ MSL. Trees beginning 1186’ from DER, 106’ right of centerline, up to 100’ AGL/137’ MSL. Trees beginning 1271’ from DER, 1’ left of centerline, up to 100’ AGL/137’ MSL. Trees beginning 1397’ from DER, 54’ right of centerline, up to 100’ AGL/143’ MSL. Trees beginning 3126’ from DER, 2’ right of centerline, up to 100’ AGL/146’ MSL. Trees beginning 4476’ from DER, 1532’ right of centerline, up to 100’ AGL/150’ MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

WHEELER-SACK AAF (KGTB)

FORT DRUM, NY

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5, 09239

TAKEOFF MINIMUMS: RwY 15, std. with min. climb of 250 ft/ NM to 3100. RwY 21, std. with min. climb of 250 ft/NM to 3100.

DEPARTURE PROCEDURE: RwY 26, Climb hgd 263° to 1400 before turning left.


WHITE PLAINS, NY

WESTCHESTER COUNTY (HPN) (CON’T)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 8 17173 (FAA)

TAKEOFF MINIMUMS: RwY 29, 300-1’ or std. w/ min. climb of 235’ per NM to 700, or alternatively, with standard takeoff minimums and a normal 200’ per NM climb gradient, takeoff must occur no later than 2000’ prior to DER.

TAKEOFF OBSTACLE NOTES: RwY 11, sign 22’ from DER, 176’ left of centerline, 3’ AGL/390’ MSL. Vehicles on road 68’ from DER, 167’ right of centerline, 390’ MSL. Trees beginning 107’ from DER, 379’ right of centerline, up to 450’ MSL. Terrain 140’ from DER, 248’ left of centerline, 392’ MSL. Tree 148’ from DER, 511’ left of centerline, 472’ MSL. Trees beginning 164’ from DER, 78’ left of centerline, up to 77’ AGL/477’ MSL. Trees beginning 187’ from DER, 378’ right of centerline, up to 77’ AGL/468’ MSL. Trees beginning 379’ from DER, 553’ right of centerline, up to 99’ AGL/482’ MSL. Trees beginning 411’ from DER, 6’ right of centerline, up to 101’ AGL/484’ MSL. Trees beginning 484’ from DER, 12’ left of centerline, up to 96’ AGL/491’ MSL. Tree and building beginning 589’ from DER, 98’ left of centerline, up to 499’ MSL. Tree and building beginning 592’ from DER, 33’ left of centerline, up to 104’ AGL/502’ MSL. Tree and building beginning 651’ from DER, 3’ right of centerline, up to 111’ AGL/493’ MSL. Trees beginning 703’ from DER, 19’ left of centerline, up to 507’ MSL. Tree, building, and pole beginning 760’ from DER, 4’ left of centerline, up to 113’ AGL/523’ MSL. Tree 1083’ from DER, 666’ left of centerline, 526’ MSL. Tree 1099’ from DER, 733’ left of centerline, 79’ AGL/528’ MSL. Tree, building, pole, and flagpole beginning 1100’ from DER, 26’ left of centerline, up to 530’ MSL. Trees beginning 1434’ from DER, 10’ left of centerline, up to 87’ AGL/532’ MSL. RwY 16, taxiway light 131’ from DER, 499’ left of centerline, 1’ AGL/384’ MSL. Terrain 273’ from DER, 515’ left of centerline, 387’ MSL. Trees beginning 999’ from DER, 171’ left of centerline, up to 109’ AGL/436’ MSL. Tree 1066’ from DER, 663’ right of centerline, 86’ AGL/425’ MSL. Trees beginning 1098’ from DER, 226’ right of centerline, up to 112’ AGL/454’ MSL. Building 3433’ from DER, 604’ left of centerline, 60’ AGL/467’ MSL.

WHITE PLAINS, NY (CON’T)

WESTCHESTER COUNTY (HPN) (CON’T)

Rwy 29, tree and REIL beginning 6’ from DER, 115’ right of centerline, up to 17’ AGL/407’ MSL. Tree and pole beginning 22’ from DER, 174’ right of centerline, up to 23’ AGL/416’ MSL. Sign 24’ from DER, 252’ left of centerline, 3’ AGL/398’ MSL. Tree and pole beginning 198’ from DER, 478’ right of centerline, up to 57’ AGL/435’ MSL. Tree 231’ from DER, 522’ right of centerline, 444’ MSL. Tree 255’ from DER, 503’ left of centerline, 425’ MSL. Tree and pole beginning 273’ from DER, on centerline, up to 80’ AGL/452’ MSL. Tree 364’ from DER, 462’ left of centerline, 433’ MSL. Trees beginning 396’ from DER, 226’ left of centerline, up to 477’ MSL. Tree 458’ from DER, 467’ left of centerline, 113’ AGL/486’ MSL. Trees beginning 459’ from DER, 1’ left of centerline, up to 113’ AGL/491’ MSL. Tree and pole beginning 771’ from DER, 3’ left of centerline, up to 98’ AGL/494’ MSL. Tree 1562’ from DER, 895’ left of centerline, 495’ MSL. Trees beginning 1584’ from DER, 495’ left of centerline, up to 106’ AGL/518’ MSL. Tree beginning 1792’ from DER, 719’ right of centerline, up to 91’ AGL/499’ MSL. Trees beginning 2000’ from DER, 751’ right of centerline, up to 104’ AGL/509’ MSL.

WILDWOOD, NJ

CAPE MAY COUNTY (WWD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 06215 (FAA)

TAKEOFF MINIMUMS: RwY 10, 300-2 or std. with a min. climb of 260’ per NM to 500.

DEPARTURE PROCEDURE: RwY 19, climb heading 190° to 700 before turning left.

TAKEOFF OBSTACLE NOTES: RwY 1, multiple trees beginning 212’ from DER, 187’ left of centerline, up to 72’ AGL/860’ MSL. Multiple trees beginning 69’ from DER, 314’ right of centerline, up to 42’ AGL/59’ MSL. Road 197’ from DER 240’ right of centerline, 15’ AGL/30’ MSL. Road 265’ from DER, on runway centerline, 15’ AGL/29’ MSL. RwY 10, multiple trees beginning 42’ from DER, 262’ left of centerline, up to 60’ AGL/77’ MSL. Multiple trees beginning 1004’ from DER, 441’ left of centerline, up to 77’ AGL/94’ MSL. Tower 1.52 NM from DER, 643’ right of centerline, 309’ AGL/84’ MSL. RwY 19, multiple trees beginning 669’ from DER, 397’ left of centerline, up to 73’ AGL/90’ MSL. Multiple trees beginning 1010’ from DER, 46’ right of centerline, up to 62’ AGL/90’ MSL. Fence 80’ from DER, 507’ right of centerline, 18’ AGL/30’ MSL. RwY 28, multiple trees beginning 74’ from DER, 460’ left of centerline, up to 70’ AGL/84’ MSL. Multiple trees beginning 1235’ from DER, 496’ right of centerline, up to 74’ AGL/88’ MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

WILLIAMSON/SODUS, NY
WILLIAMSON-SODUS (SDC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 08213 (FAA)
TAKEOFF MINIMUMS: Rwy 10, 300-2 or std. w/ min. climb of 427’ per NM to 700.
TAKEOFF OBSTACLE NOTES: Rwy 10, trees beginning 26’ from DER, 296’ right of centerline, up to 76’ AGL/625’ MSL. Trees beginning 257’ from DER, 310’ left of centerline, up to 56’ AGL/655’ MSL. Vehicles on roadway, 339’ from DER, 377’ right of centerline, 15’ AGL/451’ MSL. Pole 360’ from DER, 122’ left of centerline, 29’ AGL/448’ MSL. Pole 362’ from DER, 85’ right of centerline, 31’ AGL/450’ MSL. Silo 409’ from DER, 466’ left of centerline, 40’ AGL/459’ MSL. Antenna 1.5 NM from DER, 662’ left of centerline, 100’ AGL/869’ MSL. Antenna 1.6 NM from DER, 400’ left of centerline, 106’ AGL/715’ MSL. Rw 28, trees beginning abeam DER, 188’ left of centerline, up to 110’ AGL/549’ MSL. Trees beginning 72’ from DER, 266’ right of centerline, up to 93’ AGL/522’ MSL. Building 204’ from DER, 271’ right of centerline, 12’ AGL/441’ MSL. Fence 312’ from DER, 59’ left of centerline, 6’ AGL/435’ MSL. Pole 338’ from DER, 271’ left of centerline, 32’ AGL/461’ MSL. Vehicles on roadway 357’ from DER, 382’ left of centerline, 15’ AGL/451’ MSL. Pole 360’ from DER, 288’ left of centerline, 100’ AGL/460’ MSL. Building 497’ from DER, 339’ left of centerline, 21’ AGL/450’ MSL.

WOODBINE, NJ
WOODBINE MUNI (OBI)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 09239 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 1, trees beginning 182’ from DER, 284’ left of centerline up to 100’ AGL/134’ MSL. Trees beginning 38’ from DER, 290’ right of centerline up to 100’ AGL/144’ MSL. Train 387’ from DER, 596’ left of centerline up to 23’ AGL/57’ MSL. Rw 13, trees beginning 4’ from DER, 277’ left of centerline up to 100’ AGL/134’ MSL. Trees beginning 2395’ from DER, 865’ right of centerline up to 100’ AGL/144’ MSL. Rw 19, trees beginning 4’ from DER, 264’ left of centerline up to 100’ AGL/129’ MSL. Trees beginning 178’ from DER, 212’ right of centerline up to 100’ AGL/124’ MSL. Rw 31, trees beginning 261’ from DER, 529’ right of centerline up to 100’ AGL/144’ MSL. Trees beginning 107’ from DER, 288’ left of centerline up to 100’ AGL/144’ MSL. Railroad 900’ from DER left to right 23’ AGL/63’ MSL.

WURTSBORO, NY
WURTSBORO-SULLIVAN COUNTY (N82)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 18340 (FAA)
TAKEOFF MINIMUMS: Rwys 5, 9, 14, 18, 27, 32, 36, NA – Obstacles. Rw 23, std. w/min. climb of 365’ per NM to 1900 or 2000-3 for VCOA.
DEPARTURE PROCEDURE: Rw 23, climb heading 228° to 2100 before proceeding on course.
VCOA. Rw 23, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Wurtsboro-Sullivan County airport at or above 2400 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rw 23, terrain 32’ from DER, 187’ right of centerline, 549’ MSL. Tree, pole beginning 80’ from DER, 20’ left of centerline, up to 650’ MSL. Tree 125’ from DER, 87’ right of centerline, 567’ MSL. Tree 160’ from DER, 210’ right of centerline, 576’ MSL. Trees beginning 169’ from DER, 352’ right of centerline, up to 641’ MSL. Tree, building, pole beginning 224’ from DER, 526’ right of centerline, up to 648’ MSL. Trees beginning 2527’ from DER, 583’ right of centerline, up to 662’ MSL. Trees beginning 3392’ from DER, 490’ right of centerline, up to 664’ MSL. Trees beginning 3590’ from DER, 451’ right of centerline, up to 669’ MSL. Trees beginning 3755’ from DER, 1192’ right of centerline, up to 680’ MSL. Tree 3938’ from DER, 1364’ right of centerline, 686’ MSL. Trees beginning 3951’ from DER, 1215’ right of centerline, up to 689’ MSL. Trees beginning 4510’ from DER, 1411’ right of centerline, up to 693’ MSL. Tree 4795’ from DER, 1738’ right of centerline, 709’ MSL. Trees beginning 4801’ from DER, 1371’ right of centerline, up to 100’ AGL/727’ MSL. Trees beginning 5694’ from DER, 1749’ right of centerline, up to 100’ AGL/783’ MSL. Trees beginning 1 NM from DER, 1818’ right of centerline, up to 784’ MSL. Trees beginning 1 NM from DER, 1962’ right of centerline, up to 100’ AGL/793’ MSL. Trees beginning 1.5 NM from DER, 2627’ right of centerline, up to 793’ MSL. Trees beginning 1.5 NM from DER, 2731’ right of centerline, up to 811’ MSL. Trees beginning 1.5 NM from DER, 2958’ right of centerline, up to 820’ MSL. Trees beginning 1.6 NM from DER, 2781’ right of centerline, up to 100’ AGL/852’ MSL. Trees beginning 1.6 NM from DER, 2966’ right of centerline, up to 100’ AGL/858’ MSL. Trees beginning 1.6 NM from DER, 2789’ right of centerline, up to 100’ AGL/904’ MSL. Trees beginning 1.7 NM from DER, 2796’ right of centerline, up to 100’ AGL/931’ MSL. Trees beginning 1.7 NM from DER, 2804’ right of centerline, up to 100’ AGL/957’ MSL. Tree 2 NM from DER, 3823’ left of centerline, 865’ MSL. Trees 2 NM from DER, 3807’ right of centerline, 891’ MSL. Tree 2.1 NM from DER, 3818’ left of centerline, 899’ MSL. Trees beginning 2.1 NM from DER, 3875’ left of centerline, up to 928’ MSL. Trees 2.3 NM from DER, 4245’ left of centerline, 100’ AGL/940’ MSL. Trees beginning 2.3 NM from DER, 3606’ right of centerline, up to 100’ AGL/960’ MSL. Trees beginning 2.4 NM from DER, 4052’ left of centerline, up to 100’ AGL/980’ MSL. Trees beginning 2.4 NM from DER, 4044’ left of centerline, up to 100’ AGL/1039’ MSL.
HARRISBURG TRANSITION (HAR.BUNTS2):

From over HAR VORTAC via HAR R-117 (V210) and LRP R-296 to LRP VOR/DME, thence via LRP R-104 (V210) to BUNTS INT. Expect RADAR vectors to final approach course.

NOTE: This STAR is for aircraft capable of 250K or greater.

NOTE: Chart not to scale.
Cedar Lake Nine Arrival

Turbojet Vertical Navigation Planning Information

Aircraft landing PHL expect to cross VCN at 8000.

Chester County G.O. Carlson

Philadelphia Int'l

New Castle

Woodstown 112.8 OOD
Chan 75
N39°38.16’-W75°18.18’

Radd's
N38°38.91’
W75°05.31’

Snow Hill 112.4 SWL
Chan 71
N38°03.40’-W75°27.83’
L-36, H-10-12

Brigs
N39°31.41’
W74°08.33’
L-34
H-10-12

Sea Isle 114.8 SIE
Chan 95
N39°05.73’-W74°48.02’

NOTE: Chart not to scale.

Brigs Transition (Brigs.VCN9): From over Brigs on VCN R-101 to VCN VOR/DME. Thence.

Snow Hill Transition (Swl.VCN9): From over SWL VORTAC on SWL R-034 and SIE R-216 to SIE VORTAC, then on SIE R-353 and VCN R-174 to VCN VOR/DME. Thence.

...from over VCN VOR/DME: Turbojets expect RADAR vectors to final approach course. Non-Turbojets continue on the VCN R-301 and the OOD R-121 to OOD VORTAC; expect RADAR vectors to final approach course.
ARRIVAL ROUTE DESCRIPTION

**BRIGS TRANSITION (BRIGS.JIIMS3):**
- Landing ILG: From over JIIMS on track 288° to TLUKS, then on heading 307°. Expect RADAR vectors to final approach course.
- Landing MQS: From over JIIMS on track 288° to TLUKS, then on track 317° to RANS, then on heading 352°. Expect RADAR vectors to final approach course.
- Landing PNE, TTN: From over JIIMS on track 339° to BEELZ, then on track 007° to WOJIK, then on track 087° to PSOUT, then on heading 032°. Expect RADAR vectors to final approach course.
- Landing PHL Rwy 9L, 9R: From over JIIMS on track 288° to TLUKS, then on track 353° to cross CHEAZ at 190K, then on track 266° to STAYK, then on track 35°. Expect RADAR vectors to final approach course.
- Landing PHL Rwy 17, 35: From over JIIMS on track 312° to SNEDE, then on track 312°. Expect RADAR vectors to final approach course.
- Landing PHL Rwy 26, 27L, 27R: From over JIIMS on track 339° to BEELZ, then on track 007° to cross WOJIK at 190K, then on track 087° to PSOUT, then on track 087°. Expect RADAR vectors to final approach course.

**DASHA TRANSITION (DASHA.JIIMS3):**

**SNOW HILL TRANSITION (SWL.JIIMS3):**

**NOTE:** Chart not to scale.
ARRIVAL ROUTE DESCRIPTION

FLAT ROCK TRANSITION (FAK.PAATS3):

GORDONSVILLE TRANSITION (GVE.PAATS3):

PATUXENT TRANSITION (PXT.PAATS3):

From over ESSSO on track 046° to PAATS thence....

Landing MQS: From over PAATS on track 026° to RANS, then on heading 352°. Expect RADAR vectors to final approach course.

Landing PNE, TTN: From over PAATS on track 026° to RANS, then on track 076° to WOJIK, then on track 087° to PSOUT, then on heading 032°. Expect RADAR vectors to final approach course.

Landing PHL Rwy 9L, 9R: From over PAATS on track 061° to TLUKS, then on track 353° to cross CHEAZ at 190K, then on track 266° to STAYK, then on track 266°. Expect RADAR vectors to final approach course.

Landing PHL Rwy 17, 35: From over PAATS on track 070° to TEBEE, then on heading 057°. Expect RADAR vectors to final approach course.

Landing PHL Rwy 26, 27L, 27R: From over PAATS on track 081° to ROLL, then on track 055° to BEEZ, then on track 007° to cross WOJIK at 190K, then on track 087° to PSOUT, then on track 087°. Expect RADAR vectors to final approach course.

NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.
NOTE: For turbos only.
 NOTE: PXT transition as assigned by ATC.
NOTE: RADAR required.

NOTE: Chart not to scale.

PAATS THREE ARRIVAL (RNAV)

PAATS THREE ARRIVAL (RNAV)