

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

| City, State | Airport | Effective Date | Amdt. No. |
|-------------|--------------|----------------|-----------|
| CONCORD, NH | CONCORD MUNI | 29 MAY 2014 | 4 |

TAKEOFF MINIMUMS:

RWY 12, STANDARD WITH MINIMUM CLIMB OF 305 FT PER NM TO 1000 OR 1300-2 ½ FOR CLIMB IN VISUAL CONDITIONS.
RWY 17, 300-2 ¼ OR STANDARD WITH MINIMUM CLIMB OF 260 FT PER NM TO 700.
RWY 30, STANDARD WITH MINIMUM CLIMB OF 235 FT PER NM TO 1200 OR 1300-2 ½ FOR CLIMB IN VISUAL CONDITIONS.
RWY 35, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 12, CLIMB HEADING 121.04 TO 800 THEN CLIMBING RIGHT TURN TO CON VORTAC BEFORE PROCEEDING ON COURSE, OR FOR CLIMB IN VISUAL CONDITIONS CROSS CONCORD MUNI AIRPORT AT OR ABOVE 1500 BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.
RWY 17, CLIMB HEADING 171.06 TO 1000 BEFORE TURNING LEFT.
RWY 30, CLIMB HEADING 301.04 TO 900 BEFORE PROCEEDING ON COURSE, OR FOR CLIMB IN VISUAL CONDITIONS CROSS CONCORD MUNI AIRPORT AT OR ABOVE 1500 BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.
RWY 35, CLIMB HEADING 341 TO 1200 BEFORE PROCEEDING ON COUSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 12, TREE ABEAM DER, 267 FT LEFT OF CENTERLINE, 16 FT AGL/361 FT MSL. TREE 6 FT FROM DER, 353 FT RIGHT OF CENTERLINE, 54 FT AGL/396 FT MSL. TREES BEGINNING 88 FT FROM DER, 7 FT LEFT OF CENTERLINE, UP TO 69 FT AGL/391 FT MSL. TREES BEGINNING 106 FT FROM DER, 100 FT RIGHT OF CENTERLINE, UP TO 52 FT AGL/394 FT MSL. POLE 483 FT FROM DER, 324 FT RIGHT OF CENTERLINE, 45 FT AGL/376 FT MSL. TREES BEGINNING 1032 FT FROM DER, 131 FT LEFT OF CENTERLINE, UP TO 86 FT AGL/ 421 FT MSL. TREES BEGINNING 1075 FT FROM DER, 207 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/431 FT MSL. TREE 1.1NM FROM DER, 2142 FT RIGHT OF CENTERLINE, 107 FT AGL/513 MSL. TREE BEGINNING 1.5NM FROM DER, 2160 FT LEFT OF CENTERLINE, 76 FT AGL/622 FT MSL.

NOTE: RWY 17, TREES BEGINNING 95 FT FROM DER, 285 FT LEFT OF CENTERLINE, UP TO 88 FT AGL/378 FT MSL. TREES BEGINNING 984 FT FROM DER, 509 FT RIGHT OF CENTERLINE, UP TO 77 FT AGL/406 FT MSL. TREE 1252 FT FROM DER, 658 FT LEFT OF CENTERLINE, 69 FT AGL/371 FT MSL. TREES BEGINNING 1.3NM FROM DER, 1048 FT LEFT OF CENTERLINE, UP TO 102 FT AGL/618 FT MSL. TOWER 1.6NM FROM DER, 2080 LEFT OF CENTERLINE, 90 FT AGL/607 FT MSL.

NOTE: RWY 30, TREES AND POLES BEGINNING 554 FT FROM DER, 330 FT RIGHT OF CENTERLINE, UP TO 59 FT AGL/400 FT MSL. TOWER 613 FT FROM DER, 580 FT LEFT OF CENTERLINE, 38 FT AGL/378 FT MSL. BLDG 627 FT FROM DER, 184 FT RIGHT OF CENTERLINE, 21 FT AGL/362 FT MSL. TREES BEGINNING 1132 FT FROM DER, 271 FT LEFT OF CENTERLINE, UP TO 98 FT AGL/430 FT MSL. TOWER 1177 FT FROM DER, 381 FT LEFT OF CENTERLINE, 47 FT AGL/385 FT MSL. BLDG 1190 FT FROM DER, 390 FT LEFT OF CENTERLINE, 41 FT AGL/379 FT MSL. BLDG 1734 FT FROM DER, 522 FT RIGHT OF CENTERLINE, 60 FT AGL/399 FT MSL. TREES BEGINNING 1893 FROM DER, 126 FT LEFT OF CENTERLINE, UP TO 112 FT AGL/442 FT MSL. TREES BEGINNING 2108 FT FROM DER, 47 FT RIGHT OF CENTERLINE, UP TO 105 FT AGL/437 FT MSL.

NOTE: RWY 35, FENCE 259 FT FROM DER, 492 FT LEFT OF CENTERLINE, 8 FT AGL/348 FT MSL. VEHICLE ON ROAD BEGINNING 276 FROM DER, 91 FT LEFT OF CENTERLINE, 15 FT AGL/372 FT MSL. BLDGS BEGINNING 296 FT FROM DER, 256 FT LEFT OF CENTERLINE, UP TO 21 FT AGL/362 FT MSL. TREES BEGINNING 409 FT FROM DER, 60 FT LEFT OF CENTERLINE, UP TO 62 FT AGL/403 FT MSL. TREES BEGINNING 539 FT FROM DER, 17 FT RIGHT OF CENTERLINE, UP TO 72 FT AGL/415 FT MSL. POLES BEGINNING 643 FT FROM DER, 53 FT RIGHT OF CENTERLINE, UP TO 34 FT AGL/376 FT MSL. POLES BEGINNING 703 FT FROM DER, 276 FT LEFT OF CENTERLINE, UP TO 41 FT AGL/381 FT MSL. TREES BEGINNING 1142 FT FROM DER, 20 FT LEFT OF CENTERLINE, UP TO 102 FT AGL/440 FT MSL. TREES BEGINNING 1298 FT FROM DER, 39 FT RIGHT OF CENTERLINE, UP TO 87 FT AGL/430 FT MSL.

CONTROLLING OBSTACLES:

RWY 12: 789 FT MSL TREE 431151.49N/0712708.34W.
RWY 17: 606 FT MSL TREE 431028.15N/0712839.84W, 618 FT MSL TREE 431018.63N/0712830.24W, 595 FT MSL TREE 431010.13N/0712831.07W.
RWY 30: 919 FT MSL AAO 431356.73N/0713430.02W.
RWY 35: 1125 FT MSL TOWER 431641.00N/0713018.00W.
RWY 12, 30: (VCOA): 1185 FT MSL TOWER 431308.50N/0712623.70W.

OBSTACLES MANDATING ROUTE DEVELOPMENT:

RWY 12: 1185 FT MSL TOWER 431308.50N/0712623.70W.
RWY 17: 1709 FT MSL TOWER 431104.00N/0711910.00W.
RWY 30: 1185 FT MSL TOWER 431308.50N/0712623.70W.
RWY 35: 936 FT MSL AAO 431613.98N/0713115.03W.



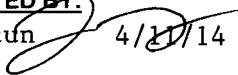
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REMARKS:

FLIGHT INSPECTED BY:

Jorge Malcun  4/11/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

PETE GETZ  AJV-352
(NICK PETTIER)

1/3/2013

APPROVED BY:

SUE CRUMB  AJV-352

APR 16 2014

COORDINATED WITH:

AOPA, NBAA, AMGR, EST FPO, ZBW ALPA.

CHANGES:

1. UPDATED RWY 12 TAKEOFF MINS FROM "500-1 OR STANDARD WITH MINIMUM CLIMB OF 350 FT PER NM TO 1300" TO "STANDARD WITH MINIMUM CLIMB OF 305 FT PER NM TO 1000, OR 1300-2 ½ FOR CLIMB IN VISUAL CONDITIONS".
2. UPDATED RWY 17 TAKEOFF MINS FROM "300-1 OR STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 1200" TO "300-2 ¼ OR STANDARD WITH MINIMUM CLIMB OF 260 FT PER NM TO 700".
3. UPDATED RWY 30 TAKEOFF MINS FROM "800-3 OR STANDARD WITH MINIMUM CLIMB OF 260 FT PER NM TO 1300" TO "STANDARD WITH MINIMUM CLIMB OF 235 FT PER NM TO 1200 OR 1300-2 ½ FOR CLIMB IN VISUAL CONDITIONS".
4. UPDATED RWY 35 TAKEOFF MINS FROM "300-1 OR STANDARD WITH MINIMUM CLIMB OF 320 FT PER NM TO 1300" TO "STANDARD".
5. ADDED INITIAL HEADING "121.04" TO RWY 12 TEXTUAL DP.
6. CHANGED RWY 12 CLIMB TO ALTITUDE FROM "900" TO "800".
7. ADDED INITIAL HEADING "171.06" TO RWY 17 TEXTUAL DP.
8. CHANGED RWY 17 CLIMB TO ALTITUDE FROM "1200" TO "1000".
9. ADDED INITIAL HEADING "301.04" TO RWY 30 TEXTUAL DP.
10. ADDED CLIMB TO ALTITUDE OF "900 BEFORE PROCEEDING ON COURSE" TO RWY 30 TEXTUAL DP.
11. ADDED VCOA INSTRUCTIONS TO RWY 30 TEXTUAL DP.
12. ADDED INITIAL HEADING "341" TO RWY 35 TEXTUAL DP. (OFFSET 10°)
13. CHANGED RWY 35 CLIMB TO ALTITUDE FROM "1300" TO "1200".
14. ADDED TAKEOFF OBSTACLE NOTES. (ALL RWYS)

REASONS:

- 1-4,6,8,10,13. BASED ON LATEST CRITERIA, OBSTACLE SURVEY DATA AND MAP STUDY.
- 5,7,9. IAW 8260.46D APPENDIX D, SEC 1. 7(A).
11. PENETRATIONS EXIST OUTSIDE RWY 30 3SM ICA, UNABLE TO MITIGATE USING OFFSET.
12. PENETRATIONS EXISTED INSIDE ICA, ABLE TO MITIGATE USING 10° OFFSET.
14. IAW 8260.46D APPENDIX D, SEC 1. 8.

