

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)  
TITLE 14 CFR PART 97.37**

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

| <b>CITY, STATE</b> | <b>AIRPORT</b> | <b>EFFECTIVE DATE</b> | <b>AMDT NO</b> |
|--------------------|----------------|-----------------------|----------------|
| NEWARK, OH         | NEWARK-HEATH   | 20 JUNE 2019          | 3              |

**TAKEOFF MINIMUMS:**

**RWY 9:** 600-3 WITH MINIMUM CLIMB OF 225 FEET PER NM TO 1700 OR STANDARD WITH MINIMUM CLIMB OF 300 FEET PER NM TO 1600 OR 1000-3 FOR VCOA.

**RWY 27:** 400-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 220 FEET PER NM TO 1200.

**TEXTUAL DEPARTURE PROCEDURES:**

**RWY 9:** CLIMB ON HEADING 092.95 TO 1700 BEFORE PROCEEDING ON COURSE.

**RWY 27:** CLIMB ON HEADING 272.96 TO 1400 BEFORE PROCEEDING ON COURSE.

**VISUAL CLIMB OVER AIRPORT:**

**RWY 9:** OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS NEWARK-HEATH AIRPORT AT OR ABOVE 1700 BEFORE PROCEEDING ON COURSE.

**TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 9,**

TREE, TERRAIN BEGINNING 25 FT FROM DER, 173 FT LEFT OF CENTERLINE, UP TO 889 FT MSL.

LIGHTING 40 FT FROM DER, 77 FT RIGHT OF CENTERLINE, 871 FT MSL.

BUILDING 93 FT FROM DER, 510 FT RIGHT OF CENTERLINE, 879 FT MSL.

TRANSMISSION LINE, FENCE BEGINNING 105 FT FROM DER, 249 FT RIGHT OF CENTERLINE, UP TO 907 FT MSL.

TREES, POLES, BUILDING BEGINNING 107 FT FROM DER, 454 FT LEFT OF CENTERLINE, UP TO 71 FT AGL/934 FT MSL.

TREE 237 FT FROM DER, 554 FT RIGHT OF CENTERLINE, 922 FT MSL.

TREES, POLE BEGINNING 558 FT FROM DER, 29 FT RIGHT OF CENTERLINE, UP TO 942 FT MSL.

TREE 2651 FT FROM DER, 263 FT RIGHT OF CENTERLINE, 949 FT MSL.

TREES BEGINNING 2741 FT FROM DER, 473 FT RIGHT OF CENTERLINE, UP TO 953 FT MSL.

TREE 4800 FT FROM DER, 1713 FT RIGHT OF CENTERLINE, 1005 FT MSL.

TREES BEGINNING 4884 FT FROM DER, 1409 FT RIGHT OF CENTERLINE, UP TO 1008 FT MSL.

TREES, BUILDINGS BEGINNING 5018 FT FROM DER, 1522 FT RIGHT OF CENTERLINE, UP TO 1018 FT MSL.

TREES, BUILDING BEGINNING 5164 FT FROM DER, 1437 FT RIGHT OF CENTERLINE, UP TO 1032 FT MSL.

TREES, BUILDINGS BEGINNING 5288 FT FROM DER, 1367 FT RIGHT OF CENTERLINE, UP TO 1041 FT MSL.

TREES, BUILDING BEGINNING 5679 FT FROM DER, 1429 FT RIGHT OF CENTERLINE, UP TO 1055 FT MSL.

TREES BEGINNING 5909 FT FROM DER, 1352 FT RIGHT OF CENTERLINE, UP TO 1058 FT MSL.

TREE 1 NM FROM DER, 1488 FT RIGHT OF CENTERLINE, 1065 FT MSL.

TREES, BUILDING BEGINNING 1 NM FROM DER, 1429 FT RIGHT OF CENTERLINE, UP TO 1076 FT MSL.

TREES BEGINNING 1 NM FROM DER, 1430 FT RIGHT OF CENTERLINE, UP TO 1101 FT MSL.

TREES BEGINNING 1 NM FROM DER, 1834 FT RIGHT OF CENTERLINE, UP TO 1110 FT MSL.

TREES BEGINNING 1.1 NM FROM DER, 1580 FT RIGHT OF CENTERLINE, UP TO 69 FT AGL/1118 FT MSL.

TREES BEGINNING 1.1 NM FROM DER, 1546 FT RIGHT OF CENTERLINE, UP TO 1120 FT MSL.

TREES, BUILDING BEGINNING 1.1 NM FROM DER, 1318 FT RIGHT OF CENTERLINE, UP TO 1121 FT MSL.

TREES BEGINNING 1.1 NM FROM DER, 1230 FT RIGHT OF CENTERLINE, UP TO 1122 FT MSL.

TREES BUILDINGS BEGINNING 1.1 NM FROM DER, 1399 FT RIGHT OF CENTERLINE, UP TO 1125 FT MSL.

TREES BEGINNING 1.3 NM FROM DER, 1932 FT RIGHT OF CENTERLINE, UP TO 1130 FT MSL.

TREE 1.3 NM FROM DER, 2058 FT RIGHT OF CENTERLINE, 1132 FT MSL.

TREES, BUILDINGS BEGINNING 1.3 NM FROM DER, 297 FT RIGHT OF CENTERLINE, UP TO 90 FT AGL/1151 FT MSL.

TREES BEGINNING 1.3 NM FROM DER, 223 FT LEFT OF CENTERLINE, UP TO 1121 FT MSL.

TREES BEGINNING 1.3 NM FROM DER, 168 FT LEFT OF CENTERLINE, UP TO 1127 FT MSL.

TREES BEGINNING 1.3 NM FROM DER, 66 FT LEFT OF CENTERLINE, UP TO 1150 FT MSL.

TREES BEGINNING 1.4 NM FROM DER, 62 FT LEFT OF CENTERLINE, UP TO 151 FT AGL/1151 FT MSL.

TREES BEGINNING 1.6 NM FROM DER, 659 FT RIGHT OF CENTERLINE, UP TO 1163 FT MSL.

TREES BEGINNING 1.6 NM FROM DER, 8 FT RIGHT OF CENTERLINE, UP TO 1168 FT MSL.

TREES, BUILDING BEGINNING 1.6 NM FROM DER, 107 FT RIGHT OF CENTERLINE, UP TO 82 FT AGL/1179 FT MSL.

ANTENNA 2.4 NM FROM DER, 2425 FT LEFT OF CENTERLINE, 360 FT AGL/1394 FT MSL.

TOWER 2.4 NM FROM DER, 2371 FT LEFT OF CENTERLINE, 362 FT AGL/1396 FT MSL.

ANTENNA 2.4 NM FROM DER, 2430 FT LEFT OF CENTERLINE, 360 FT AGL/1396 FT MSL.



**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)  
TITLE 14 CFR PART 97.37**

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

| <b>CITY, STATE</b> | <b>AIRPORT</b> | <b>EFFECTIVE DATE</b> | <b>AMDT NO</b> |
|--------------------|----------------|-----------------------|----------------|
| NEWARK, OH         | NEWARK-HEATH   | 20 JUNE 2019          | 3              |

**NOTE: RWY 27,**

TERRAIN 2 FT FROM DER, 251 FT RIGHT OF CENTERLINE, 884 FT MSL.  
TERRAIN 11 FT FROM DER, 486 FT RIGHT OF CENTERLINE, 886 FT MSL.  
POLE, VEHICLES ON ROAD BEGINNING 49 FT FROM DER, 199 FT LEFT OF CENTERLINE, UP TO 910 FT MSL.  
POLE, VEHICLES ON ROAD BEGINNING 188 FT FROM DER, 32 FT LEFT OF CENTERLINE, UP TO 29 FT AGL/912 FT MSL.  
TREES, POLES, BLDG TWR BEGINNING 543 FT FROM DER, 120 FT LEFT OF CENTERLINE, UP TO 968 FT MSL.  
VEHICLES ON ROAD 604 FT FROM DER, 31 FT RIGHT OF CENTERLINE, 902 FT MSL.  
POLE 697 FT FROM DER, 139 FT RIGHT OF CENTERLINE, 919 FT MSL.  
POLES, BUILDING BEGINNING 796 FT FROM DER, 206 FT RIGHT OF CENTERLINE, UP TO 920 FT MSL.  
POLE 972 FT FROM DER, 313 FT RIGHT OF CENTERLINE, 926 FT MSL.  
TREES BEGINNING 1033 FT FROM DER, 11 FT RIGHT OF CENTERLINE, UP TO 933 FT MSL.  
TREES, POLE BEGINNING 1196 FT FROM DER, 64 FT RIGHT OF CENTERLINE, UP TO 963 FT MSL.  
TREE 1533 FT FROM DER, 7 FT RIGHT OF CENTERLINE, 971 FT MSL.  
TREE 1591 FT FROM DER, 682 FT RIGHT OF CENTERLINE, 973 FT MSL.  
TREES BEGINNING 1645 FT FROM DER, 189 FT RIGHT OF CENTERLINE, UP TO 976 FT MSL.  
TREES BEGINNING 1750 FT FROM DER, 321 FT RIGHT OF CENTERLINE, UP TO 979 FT MSL.  
TREES, POLES BEGINNING 2005 FT FROM DER, 58 FT RIGHT OF CENTERLINE, UP TO 985 FT MSL.  
TREE, POLES BEGINNING 2270 FT FROM DER, 154 FT LEFT OF CENTERLINE, UP TO 970 FT MSL.  
TREE 3354 FT FROM DER, 1131 FT RIGHT OF CENTERLINE, 993 FT MSL.  
TREE 3381 FT FROM DER, 384 FT LEFT OF CENTERLINE, 974 FT MSL.  
TREE 3776 FT FROM DER, 1384 FT LEFT OF CENTERLINE, 983 FT MSL.  
TREE 3791 FT FROM DER, 1212 FT RIGHT OF CENTERLINE, 996 FT MSL.  
TREE 3892 FT FROM DER, 1160 FT RIGHT OF CENTERLINE, 998 FT MSL.  
TREE 3899 FT FROM DER, 1424 FT LEFT OF CENTERLINE, 992 FT MSL.  
TREE 3984 FT FROM DER, 1537 FT LEFT OF CENTERLINE, 994 FT MSL.  
TREES BEGINNING 4015 FT FROM DER, 1135 FT RIGHT OF CENTERLINE, UP TO 1003 FT MSL.  
TREES BEGINNING 4020 FT FROM DER, 1325 FT LEFT OF CENTERLINE, UP TO 998 FT MSL.  
TREES BEGINNING 4550 FT FROM DER, 755 FT LEFT OF CENTERLINE, UP TO 1009 FT MSL.  
TREE 4739 FT FROM DER, 913 FT LEFT OF CENTERLINE, 1011 FT MSL.  
TREES BEGINNING 4835 FT FROM DER, 634 FT LEFT OF CENTERLINE, UP TO 1021 FT MSL.  
TREES BEGINNING 4982 FT FROM DER, 966 FT LEFT OF CENTERLINE, UP TO 1029 FT MSL.  
TREE 1.3 NM FROM DER, 1932 FT RIGHT OF CENTERLINE, 1094 FT MSL.  
TREE 1.3 NM FROM DER, 2173 FT RIGHT OF CENTERLINE, 1099 FT MSL.  
TREES BEGINNING 1.3 NM FROM DER, 1874 FT RIGHT OF CENTERLINE, UP TO 1109 FT MSL.  
TREE 2.1 NM FROM DER, 2988 FT RIGHT OF CENTERLINE, 121 FT AGL/1204 FT MSL.

**CONTROLLING OBSTACLES:**

**RWY 9:** 1396 FT MSL TOWER 400201.00N/0822407.00W (CEILING/1600 CLIMB-TO ALTITUDE), 1396 FT MSL ANTENNA 400201.59N/0822406.79W (VISIBILITY), 1448 FT MSL TOWER 400052.64N/0822240.15W (225 FT PER NM CLIMB GRADIENT/1700 CLIMB-TO ALTITUDE) 1118 FT MSL TREE 400112.57N/0822545.07W (300 FT PER NM CLIMB GRADIENT).

**RWY 27:** 1204 FT MSL TREE 400150.29N/0823058.35W (CEILING/VISIBILITY), 1109 FT MSL TREE 400142.18N/0823001.93W (CLIMB GRADIENT/CLIMB-TO ALTITUDE).

**VCOA:** 1396 FT MSL TOWER 400201.00N/0822407.00W

**OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:**

**RWY 9:** 1365 FT MSL TOWER 400055.44N/0822415.33W

**RWY 27:** 1249 FT TREES 400215.00N/0823100.00W

**REMARKS:**



**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)  
TITLE 14 CFR PART 97.37**

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

| <u>CITY, STATE</u> | <u>AIRPORT</u> | <u>EFFECTIVE DATE</u> | <u>AMDT NO</u> |
|--------------------|----------------|-----------------------|----------------|
| NEWARK, OH         | NEWARK-HEATH   | 20 JUNE 2019          | 3              |

**FLIGHT INSPECTED BY:**

JEFFREY W HARING

*Digitally signed by*  
**DAVID TEFFETELLER**  
Apr 12, 2019

**OFFICE SYMBOL:**

FICO

**DATE:**

4/10/19

**DEVELOPED BY:**

FRANK MOORE

*Digitally signed by*  
**FRANK MOORE**  
Feb 27, 2019

**OFFICE SYMBOL:**

AJV-A433

**DATE:**

02/21/2019

**APPROVED BY:**

PATRICK MULQUEEN

*Digitally signed by*  
**DAVID TEFFETELLER**  
Apr 12, 2019

**OFFICE SYMBOL:**

AJV-A430

**DATE:**

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

| <u>A4A</u>               | <u>ALPA</u>                         | <u>AOPA</u>                         | <u>APA</u>               | <u>HAI</u>               | <u>NBAA</u>                         |
|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**OTHER:**

CMH APP CON, AIRPORT MANAGER, ZID

**CHANGES - REASONS:**

1. CHANGED RWY 9 TAKEOFF MINIMUMS FROM 600-3 OR STANDARD WITH MINIMUM CLIMB OF 354 FT PER NM TO 1800 TO 600-3 WITH MINIMUM CLIMB OF 225 FT PER NM TO 1700 OR STANDARD WITH MINIMUM CLIMB OF 300 FT PER NM TO 1600 OR 1000-3 FOR VCOA - NEW CONTROLLING OBSTACLES IDENTIFIED.
2. CHANGED RWY 27 TAKEOFF MINIMUMS FROM STANDARD TO 400-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM NM TO 1200 - NEW CONTROLLING OBSTACLE IDENTIFIED.
3. ADDED RWY 27 TEXTUAL DEPARTURE PROCEDURE - MITIGATE TERRAIN PLUS VEGETATION PENETRATION OUTSIDE SEE AND AVOID AREA.
4. ADDED VCOA FOR RWY 9 - IAW FAAO 8260.46F, TABLE 2-1-1, SITUATION 3.
5. AMENDED RWY 9 AND ADDED RWY 27 OBSTACLE NOTES - NEW OBSTACLE STUDY, GROUPED AND FORMATTED IAW DEPARTURE OBSTACLE GROUPER (1.0) SOP.
6. AMENDED RWY 9 CONTROLLING OBSTACLE, ADDED RWY 27 CONTROLLING OBSTACLES, AND ADDED OBSTACLES MANDATING ODP ROUTE DEVELOPMENT - NEW OBSTACLE STUDY. FORMATTED IAW FAAO 8260.46F, APPENDIX D, PARA 10.