

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>
EAST LIVERPOOL, OH	COLUMBIA COUNTY	17 AUGUST 2017	2A

TAKEOFF MINIMUMS:

RWY 7: STANDARD

RWY 25: 600-1 3/4 OR STANDARD WITH MINIMUM CLIMB GRADIENT OF 445 FT PER NM TO 1700.

TEXTUAL DEPARTURE PROCEDURES:

RWY 25: CLIMB HEADING OF 248.62 TO 1700 BEFORE TURNING RIGHT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 7, TREES BEGINNING ABEAM DER, 392 FT LEFT OF CENTERLINE, UP TO 71 FT AGL/1224 FT MSL.

TREE 156 FT FROM DER, 449 FT RIGHT OF CENTERLINE, 1205 FT MSL.

TREES BEGINNING 164 FT FROM DER, 11 FT LEFT OF CENTERLINE, UP TO 101 FT AGL/1231 FT MSL.

TREES BEGINNING 182 FT FROM DER, 75 FT RIGHT OF CENTERLINE, UP TO 1218 FT MSL.

TREES BEGINNING 1892 FT FROM DER, 635 FT RIGHT OF CENTERLINE, UP TO 1219 FT MSL.

TREE 2212 FT FROM DER, 850 FT RIGHT OF CENTERLINE, 1221 FT MSL.

TREE 2338 FT FROM DER, 840 FT RIGHT OF CENTERLINE, 1224 FT MSL.

TREE 2859 FT FROM DER, 506 FT LEFT OF CENTERLINE, 1236 FT MSL.

NOTE: RWY 25, GRD 7 FT FROM DER, 401 FT RIGHT OF CENTERLINE, 1152 FT MSL.

GRD BEGINNING 104 FT FROM DER, 297 FT RIGHT OF CENTERLINE, UP TO 1159 FT MSL.

GRD 118 FT FROM DER, 256 FT LEFT OF CENTERLINE, 1148 FT MSL.

TREES BEGINNING 141 FT FROM DER, 28 FT LEFT OF CENTERLINE, UP TO 82 FT AGL/1226 FT MSL.

TREES BEGINNING 899 FT FROM DER, 84 FT RIGHT OF CENTERLINE, UP TO 1220 FT MSL.

TREE 3443 FT FROM DER, 611 FT RIGHT OF CENTERLINE, 1240 FT MSL.

TREE 3499 FT FROM DER, 359 FT RIGHT OF CENTERLINE, 1242 FT MSL.

TREE 3531 FT FROM DER, 1397 FT RIGHT OF CENTERLINE, 1247 FT MSL.

TREE 3533 FT FROM DER, 935 FT RIGHT OF CENTERLINE, 1276 FT MSL.

TREES BEGINNING 3535 FT FROM DER, 161 FT RIGHT OF CENTERLINE, UP TO 1287 FT MSL.

TREES BEGINNING 3653 FT FROM DER, 391 FT RIGHT OF CENTERLINE, UP TO 1288 FT MSL.

TREES BEGINNING 3701 FT FROM DER, 61 FT RIGHT OF CENTERLINE, UP TO 1290 FT MSL.

TREES BEGINNING 3748 FT FROM DER, 231 FT RIGHT OF CENTERLINE, UP TO 1315 FT MSL.

TREE 3748 FT FROM DER, 891 FT RIGHT OF CENTERLINE, 1298 FT MSL.

TREES BEGINNING 3801 FT FROM DER, 44 FT RIGHT OF CENTERLINE, UP TO 1322 FT MSL.

TREES BEGINNING 3854 FT FROM DER, 358 FT RIGHT OF CENTERLINE, UP TO 1332 FT MSL.

TREE, GRD BEGINNING 3907 FT FROM DER, 282 FT RIGHT OF CENTERLINE, UP TO 1350 FT MSL.

TREES BEGINNING 4863 FT FROM DER, 804 FT LEFT OF CENTERLINE, UP TO 1279 FT MSL.

TREES BEGINNING 5051 FT FROM DER, 651 FT LEFT OF CENTERLINE, UP TO 1292 FT MSL.

TREES BEGINNING 5174 FT FROM DER, 546 FT LEFT OF CENTERLINE, UP TO 1296 FT MSL.

TREES BEGINNING 5280 FT FROM DER, 328 FT LEFT OF CENTERLINE, UP TO 1311 FT MSL.

TREES BEGINNING 5491 FT FROM DER, 59 FT LEFT OF CENTERLINE, UP TO 1316 FT MSL.

TREES BEGINNING 5860 FT FROM DER, 639 FT RIGHT OF CENTERLINE, UP TO 1353 FT MSL.

TREES BEGINNING 5860 FT FROM DER, 120 FT RIGHT OF CENTERLINE, UP TO 1355 FT MSL.

TREES BEGINNING 5966 FT FROM DER, 1071 FT RIGHT OF CENTERLINE, UP TO 1356 FT MSL.

TREES BEGINNING 6019 FT FROM DER, 795 FT RIGHT OF CENTERLINE, UP TO 1357 FT MSL.

TREES BEGINNING 6072 FT FROM DER, 15 FT RIGHT OF CENTERLINE, UP TO 1364 FT MSL.

TREES BEGINNING 6072 FT FROM DER, 203 FT RIGHT OF CENTERLINE, UP TO 1365 FT MSL.

TREES BEGINNING 1 NM FROM DER, 26 FT RIGHT OF CENTERLINE, UP TO 1389 FT MSL.

TREES BEGINNING 1 NM FROM DER, 25 FT LEFT OF CENTERLINE, UP TO 1325 FT MSL.

TREES BEGINNING 1 NM FROM DER, 332 FT RIGHT OF CENTERLINE, UP TO 1393 FT MSL.

TREES BEGINNING 1 NM FROM DER, 84 FT RIGHT OF CENTERLINE, UP TO 1406 FT MSL.

TREE, GRD BEGINNING 1 NM FROM DER, 430 FT RIGHT OF CENTERLINE, UP TO 76 FT AGL/1418 FT MSL.



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TREES BEGINNING 1 NM FROM DER, 943 FT RIGHT OF CENTERLINE, UP TO 1416 FT MSL.
TRMSN TWR, TREE, GRD BEGINNING 1.1 NM FROM DER, 687 FT RIGHT OF CENTERLINE, UP TO 122 FT AGL/1450 FT MSL.
TREE 1.4 NM FROM DER, 2655 FT LEFT OF CENTERLINE, 1359 FT MSL.
TREE 1.4 NM FROM DER, 2747 FT LEFT OF CENTERLINE, 1360 FT MSL.

CONTROLLING OBSTACLES:

RWY 25: 1350 FT MSL TREE 404004.98N/0803937.96W (CG), 1450 FT MSL TOWER 403958.50N/0804015.80W (CEILING), 1360 FT MSL TREE 403910.48N/0804007.81W (VISIBILITY).

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 25: 1541 FT MSL TOWER 404019.48N/0804016.70W.

REMARKS:

FLIGHT INSPECTED BY:	<i>Digitally signed by</i> ADOLFO D URRUTIA	OFFICE SYMBOL:	DATE:
BRENT BOOKER	Apr 04, 2017	FICO	03/29/2017
DEVELOPED BY:	<i>Digitally signed by</i> TOMMY BYRNS	OFFICE SYMBOL:	DATE:
TOMMY BYRNS	Mar 14, 2017	AJV-5411	01/03/2017
APPROVED BY:	<i>Digitally signed by</i> ADOLFO D URRUTIA	OFFICE SYMBOL:	DATE:
GEORGE DAVIS	Apr 04, 2017	AJV-5410	

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

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

OTHER:

ZOB, PIT APP CON, AMGR

CHANGES - REASONS:

1. RWY 7 AND 25 TAKEOFF MINS CHANGED FROM 400-1 TO RWY 7 STANDARD; RWY 25 600-1 3/4 OR STANDARD WITH MINIMUM CLIMB GRADIENT OF 445 NM TO 1700.
2. ADDED TEXTUAL DEPARTURE PROCEDURE FOR RWY 25.
3. ADDED NEW T/O OBSTACLE AND CONTROLLING OBSTACLE FOR RWY 7 AND 25.

