

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
OBRLN	FIVE	OBRLN5.OBRLN	FOUR	06/25/2015	4/27/2017

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	☐	☐	☒	☐	☐

DP ROUTE DESCRIPTION:**DEPARTING CLEVELAND-HOPKINS INTL**

RWY 6L, 6R, 10, 24R, 24L, 28: CLIMB ON ASSIGNED HEADING TO 5000, THENCE...

DEPARTING WILLOUGHBY LOST NATION MUNI

RWY 5: CLIMB ON ASSIGNED HEADING TO 3000, THENCE...

RWY 10: CLIMB HEADING 098.51 TO 1600 THEN ON ASSIGNED HEADING TO 3000, THENCE...

RWY 23: CLIMB HEADING 232.60 TO 1400 THEN ON ASSIGNED HEADING TO 3000, THENCE...

RWY 28: CLIMB HEADING 278.52 TO 1400 THEN ON ASSIGNED HEADING TO 3000, THENCE...

DEPARTING ALL OTHER AIRPORTS

CLIMB ON ASSIGNED HEADING TO 3000, THENCE...

...FOR VECTORS TO INTERCEPT DJB VOR/DME R-245 TO BRUNZ INT, THEN ON DJB VOR/DME R-245 TO OBRLN INT, THEN ON (TRANSITION). EXPECT FILED ALTITUDE/FLIGHT LEVEL TEN (10) MNINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
MUNCIE	OBRLN5.MIE	OBRLN INT	FBC VORTAC	260.60 (FBC R-081)	47.25	3500	2400	
			MIE VOR/DME	242.63 & 242.57 (FBC R-243 & MIE R-063)	86.36	3500	2600	
RICHMOND	OBRLN5.RID	OBRLN INT	FBC VORTAC	260.60 (FBC R-081)	47.25	3500	2400	
			RID VORTAC	216.96 & 217.26 (FBC R-217 & RID R-037)	87.44	3500	2500	
ROSEWOOD	OBRLN5.ROD	OBRLN INT	ROD VORTAC	235.15 (ROD R-055)	77.29	6000	2700	
FORT WAYNE	OBRLN5.FWA	OBRLN INT	FBC VORTAC	260.60 (FBC R-081)	47.25	3500	2400	
			FWA VORTAC	273.72 & 276.78 (FBC R-274 & FWA R-097)	65.10	3500	2300	
BRICKYARD	OBRLN5.VHP	OBRLN INT	FBC VORTAC	260.60 (FBC R-081)	47.25	3500	2400	
			MIE VOR/DME	242.63 & 242.57 (FBC R-243 & MIE R-063)	86.36	3500	2600	
			VHP VORTAC	243.86 & 239.24 (MIE R-244 & VHP R-059)	51.53	3500	2900	

QUALITY
21
CHECKED

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PROCEDURAL DATA NOTES:**NOTE:** RADAR REQUIRED.**NOTE:** ROSEWOOD TRANSITION FOR USE AT OR BELOW FL220 ONLY AND ATC USE AS ASSIGNED.**NOTE:** FORT WAYNE TRANSITION FOR USE BY FOR WAYNE ARRIVALS ONLY AND ATC USE AS ASSIGNED.**NOTE:** MUNCIE TRANSITION FOR USE BY INDIANAPOLIS ARRIVALS ONLY AND ATC USE AS ASSIGNED.**TAKEOFF MINIMUMS:****CLEVELAND-HOPKINS INTL****RWY 6R, 6L, 10, 24R, 24L, 28, STANDARD.****CUYAHOGA COUNTY****RWY 6, 24, STANDARD.****ELYRIA****RWY 9, 27, STANDARD.****LORAIN COUNTY RGNL****RWY 7, 25, STANDARD.****GEUAGA COUNTY****RWY 11, 29, STANDARD.****MEDINA MUNI****RWY 1, 9, 19, 27, STANDARD.****CONCORD AIRPARK****RWY 2, STANDARD.****RWY 20, 400- 2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 1500.****WILLOUGHBY LOST NATION MUNI****RWY 5, 10, 23, 28, STANDARD.****TAKEOFF OBSTACLES NOTES:****CLEVELAND-HOPKINS INTL****NOTE: RWY 6R:** ANTENNA 1056 FT FROM DER, 82 FT LEFT OF CENTERLINE, 45 FT AGL/820 FT MSL.**NOTE: RWY 10:** TREES, POLE AND TOWER BEGINNING 1159 FT FROM DER, 656 FT RIGHT OF CENTERLINE, UP TO 137 FT AGL/922 FT MSL. SIGNS BEGINNING 1236 FT FROM DER, 717 FT LEFT OF CENTERLINE, UP TO 86 FT AGL/857 FT MSL.**NOTE: RWY 24R:** TREES BEGINNING 3652 FT FROM DER, 856 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/870 FT MSL.**NOTE: RWY 24L:** TREES AND POLES BEGINNING 1903 FT FROM DER, 5 FT LEFT OF CENTERLINE, UP TO 89 FT AGL/849 FT MSL.**NOTE: RWY 28:** TREES, ANTENNA AND ROAD BEGINNING 3 FT FROM DER, 304 FT LEFT OF CENTERLINE, UP TO 94 FT AGL/820 FT MSL. TREE 712 FT FROM DER, 117 FT RIGHT OF CENTERLINE, 135 FT AGL/811 FT MSL.**CUYAHOGA COUNTY****NOTE: RWY 6:** TREES BEGINNING 2127 FT FROM DER, 33 FT RIGHT OF CENTERLINE, UP TO 109 FT AGL/982 FT MSL. TREE 2595 FT FROM DER, 739 FT LEFT OF CENTERLINE, 93 FT AGL/947 FT MSL.**NOTE: RWY 24:** TERRAIN 35 FT FROM DER, 447 FT LEFT OF CENTERLINE, 874 FT MSL. TREES BEGINNING 755 FT FROM DER, 46 FT RIGHT OF CENTERLINE, UP TO 82 FT AGL/975 FT MSL. BUILDING 1179 FT FROM DER, 676 FT LEFT OF CENTERLINE, 34 FT AGL/917 FT MSL. TREES BEGINNING 1784 FT FROM DER, 35 FT LEFT OF CENTERLINE, UP TO 92 FT AGL/985 FT MSL.

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ELYRIA

NOTE: RWY 9: ROAD 1198 FT FROM DER, 275 FT LEFT OF CENTERLINE, 15 FT AGL/774 FT MSL. TREE 2077 FT FROM DER, 778 FT RIGHT OF CENTERLINE, 100 FT AGL/859 FT MSL.

NOTE: RWY 27: TREE 68 FT FROM DER, 237 FT LEFT OF CENTERLINE, 100 FT AGL/859 FT MSL. TREE 527 FT FROM DER, 454 FT RIGHT OF CENTERLINE, 100 FT AGL/854 FT MSL.

LORAIN COUNTY RGNL

NOTE: RWY 7: MULTIPLE TREES BEGINNING 973 FT FROM DER, 293 FT RIGHT OF CENTERLINE, UP TO 75 FT AGL/865 FT MSL. MULTIPLE TREES BEGINNING 839 FT FROM DER, 636 FT LEFT OF CENTERLINE, UP TO 47 FT AGL/836 FT MSL.

NOTE: RWY 25: BUSH 583 FT FROM DER, 468 FT RIGHT OF CENTERLINE, 10 FT AGL/809 FT MSL. TREE 1587 FT FROM DER, 698 FT LEFT OF CENTERLINE, 44 FT AGL/838 FT MSL. TREE 2277 FT FROM DER, 435 FT RIGHT OF CENTERLINE, 58 FT AGL/854 FT MSL.

GEAUGA COUNTY

NOTE: RWY 11: RAILROAD 331 FT FROM DER, 315 FT LEFT OF CENTERLINE, 23 FT AGL/1182 FT MSL. TREES 3144 FT FROM DER, 671 FT LEFT OF CENTERLINE, 100 FT AGL/1249 FT MSL.

NOTE: RWY 29: RAILROAD 349 FT FROM DER, 521 FT LEFT OF CENTERLINE, 23 FT AGL/1212 FT MSL. MULTIPLE BUILDINGS 993 FT FROM DER, 294 FT RIGHT OF CENTERLINE, 40 FT AGL/1239 FT MSL. TREES 1875 FT FROM DER, 791 FT RIGHT OF CENTERLINE, 100 FT AGL/1319 FT MSL. TANK 2251 FT FROM DER, 578 FT RIGHT OF CENTERLINE, 125 FT AGL/1315 FT MSL.

MEDINA MUNI

NOTE: RWY 1: VEHICLE ON ROAD 534 FT FROM DER, ON CENTERLINE, 15 FT AGL/1214 FT MSL. TREES BEGINNING 562 FT FROM DER, 588 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1279 FT MSL. TREES BEGINNING 1925 FT FROM DER, ON CENTERLINE, UP TO 100 FT AGL/1319 FT MSL.

NOTE: RWY 9: TREES BEGINNING 305 FT FROM DER, 396 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1249 FT MSL. TOWER 3626 FT FROM DER, 533 FT LEFT OF CENTERLINE, 189 FT AGL/1321 FT MSL.

NOTE: RWY 19: TREES BEGINNING AT DER, 112 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1289 FT MSL. TREES BEGINNING 1490 FT FROM DER, 150 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1289 FT MSL.

NOTE: RWY 27: TREES BEGINNING AT DER, 345 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1319 FT MSL. TREES BEGINNING AT DER, 366 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1279 FT MSL. VEHICLE ON ROAD 501 FT FROM DER, ON CENTERLINE, 15 FT AGL/1184 FT MSL.

CONCORD AIRPARK

NOTE: RWY 2: TREES BEGINNING 336 FT FROM DER, 42 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1039 FT MSL. TREES BEGINNING 1064 FT FROM DER, 217 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1039 FT MSL.

NOTE: RWY 20: TREES BEGINNING 131 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/1220 FT MSL. TOWER 1.2 NM FROM DER, 2020 FT RIGHT OF CENTERLINE, 114 FT AGL/1223 FT MSL.

WILLOUGHBY LOST NATION MUNI

NOTE: RWY 5: TREES BEGINNING 47 FT FROM DER, 93 FT RIGHT OF CENTERLINE, UP TO 109 FT AGL/726 MSL. FENCE 530 FT FROM DER, 244 FT RIGHT OF CENTERLINE, 16 FT AGL/633 FT MSL. TREES BEGINNING 1079 FT FROM DER, 150 FT LEFT OF CENTERLINE, UP TO 120 FT AGL/737 FT MSL. POLE 2129 FT FROM DER, 428 FT RIGHT OF CENTERLINE, 56 FT AGL/677 FT MSL.

NOTE: RWY 10: TREES AND POLES BEGINNING 602 FT FROM DER, 63 FT RIGHT OF CENTERLINE, UP TO 109 FT AGL/730 FT MSL. TREES AND POLES BEGINNING 608 FT FROM DER, 67 FT LEFT OF CENTERLINE, UP TO 117 FT AGL/731 FT MSL.

NOTE: RWY 23: LIGHT ON HANGAR 201 FT FROM DER, 534 FT RIGHT OF CENTERLINE, 32 FT AGL/672 FT MSL. TREES, POLES, AND BUILDINGS BEGINNING 294 FT FROM DER, 87 FT RIGHT OF CENTERLINE, TO 85 FT AGL/722 FT MSL. TREES BEGINNING 1660 FT FROM DER, 164 FT LEFT OF CENTERLINE, UP TO 77 FT AGL/714 FT MSL.

NOTE: RWY 28: LIGHT ON HANGAR 877 FT FROM DER, 539 FT LEFT OF CENTERLINE, 32 FT AGL/672 FT MSL. BUILDING 881 FT FROM DER, 665 FT LEFT OF CENTERLINE, 32 FT AGL/672 FT MSL. POLE 988 FT FROM DER, 533 FT RIGHT OF CENTERLINE, 31 FT AGL/661 FT MSL. BUILDING 1101 FT FROM DER, 337 FT RIGHT OF CENTERLINE, 35 FT AGL/661 FT MSL. TREES BEGINNING 1179 FT FROM DER, 200 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/717 MSL.

CONTROLLING OBSTACLES:**WILLOUGHBY LOST NATION MUNI**

RWY 10: 1487 FT MSL AAO 413830.00N/0811624.00W (CLIMB-TO ALTITUDE). **RWY 23, 28:** 1207 FT MSL STACK 414014.23N/0812633.55W (CLIMB-TO ALTITUDE).

CONCORD AIRPARK

RWY 20: 1169 FT MSL TREE 413920.80N/0811220.27W (CLIMB GRADIENT). 1339 FT MSL AAO 413748.73N/0811314.71W (CLIMB-TO ALTITUDE, VISIBILITY).

1349 FT MSL AAO 413825.88N/0811305.38W (CEILING).



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LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CLEVELAND-HOPKINS INTL - CHART: TOP ALTITUDE: 5000.
 CUYAHOGA COUNTY - CHART: TOP ALTITUDE: 3000.
 ELYRIA - CHART: TOP ALTITUDE: 3000.
 LORAIN COUNTY RGNL - CHART: TOP ALTITUDE: 3000.
 GEAUGA COUNTY - CHART: TOP ALTITUDE: 3000.
 MEDINA MUNI - CHART: TOP ALTITUDE: 3000.
 CONCORD AIRPARK - CHART: TOP ALTITUDE: 3000.
 WILLOUGHBY LOST NATION MUNI - CHART: TOP ALTITUDE: 3000.
 CHART: MFD R-338 AT OBRLN; MFD R-014 AT BRUNZ.

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
CLEVELAND-HOPKINS INTL (KCLE)	CLEVELAND	OH
CUYAHOGA COUNTY (KCGF)	CLEVELAND	OH
ELYRIA (K1G1)	ELYRIA	OH
LORAIN COUNTY RGNL (KLPR)	LORAIN/ELYRIA	OH
GEAUGA COUNTY (K7G8)	MIDDLEFILED	OH
MEDINA MUNI (K1G5)	MEDINA	OH
CONCORD AIRPARK (K2G1)	PAINESVILLE	OH
WILLOUGHBY LOST NATION MUNI (KLNN)	WILLOUGHBY	OH

COMMUNICATIONS:

CLEVELAND-HOPKINS INTL: ATIS, DEP CON 128.25 / 346.32.
 CUYAHOGA COUNTY, GEAUGA COUNTY, MEDINA MUNI, CONCORD AIRPARK, WILLOUGHBY LOST NATION MUNI: DEP CON 125.35 / 346.32.
 ELYRIA, LORAIN COUNTY RGNL: DEP CON 126.35 / 346.32.

FIXES AND/OR NAVAIDS:

MFD VORTAC.



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REMARKS:

ABBREVIATED AMENDMENT.

FLIGHT INSPECTED BY:

PENDING

OFFICE SYMBOL:**DATE:****DEVELOPED BY:**

PETER GUIMOND

Digitally signed by
PETER R GUIMOND
Dec 19, 2016

OFFICE SYMBOL:

AJV-5422

DATE:

12/19/2016

APPROVED BY:

JULIE MORGAN

Digitally signed by
ROBERT G HAMILTON
Mar 02, 2017

OFFICE SYMBOL:

AJV-5420

DATE:**REQUIRED EFFECTIVE DATE:**

4/27/2017

COORDINATED WITH:

A4A	ALPA	AOPA	APA	HAI	NBAA
☒	☒	☒	☒	☐	☒

OTHER:

ZOB, CLE APP CON, CLE ATCT, CGF ATCT, AMGR(S)

CHANGES - REASONS:

1. AMENDED THENCE INSTRUCTIONS IN DP ROUTE DESCRIPTION FROM "OR ASSIGNED ALTITUDE FOR VECTORS TO INTERCEPT DJB VOR/DME R-245, CROSS BRUNZ AT OR ABOVE 3500 THEN PROCEED TO OBRLN INT, THEN VIA (TRANSITION). EXPECT FILED ALTITUDE/FLIGHT LEVEL TEN (10) MINUTES AFTER DEPARTURE" TO READ " FOR VECTORS TO INTERCEPT DJB VOR/DME R-245 TO BRUNZ INT, THEN ON DJB VOR/DME R-245 TO OBRLN INT, THEN ON (TRANSITION). EXPECT FILED ALTITUDE/FLIGHT LEVEL TEN (10) MINUTES AFTER DEPARTURE" - PROVIDE CLARITY ON PCG GUIDANCE TO OBRLN, REMOVED CROSSING RESTRICTION AT BRUNZ PER ATC REQUEST, REMOVED "OR ASSIGNED BY ATC" FROM THENCE INSTRUCTIONS IN ACCORDANCE WITH CURRENT TOP ALTITUDE GUIDANCE, AND REPLACE THE WORD VIA WITH ON.
2. AMENDED ROSEWOOD TRANSITION OBRLN TO ROD VORTAC DISTANCE FROM 77.30 TO 77.29 - COMPUTED USING CURRENT AIRNAV VALUE FOR ROD VORTAC.
3. AMENDED FORT WAYNE TRANSITION FWA VORTAC TO FBC VORTAC COURSE FROM 270.78 TO 276.68 AND FWA R-091 TO FWA R-097 - FWA MAGVAR CHANGING FROM 0E TO 6W.
4. REMOVED CLEVELAND-HOPKINS INTL CONTROLLING OBSTACLES - NOT REQUIRED, SID ROUTE OF FLIGHT CLEAR OF PENETRATIONS.
5. ADDED (CLIMB-TO ALTITUDE) TO CONTROLLING OBSTACLES AT WILLOUGHBY LOST NATION MUNI - FORMATTED IN ACCORDANCE WITH FAAO 8260.46F.
6. UPDATED CONCORD AIRPARK CONTROLLING OBSTACLES TO (CEILING), (VISIBILITY), ETC. DESCRIPTION - FORMATTED IN ACCORDANCE WITH FAAO 8260.46F.
7. AMENDED FBC VORTAC TO MIE VOR/DME MOCA FROM 2500 TO 2600 ON MUNCIE AND BRICKYARD TRANSITIONS - NEW CONTROLLING OBSTACLE IDENTIFIED.
8. AMENDED FBC VORTAC TO RID VORTAC MOCA FROM 2400 TO 2500 ON RICHMOND TRANSITION - NEW CONTROLLING OBSTACLE IDENTIFIED.

