

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

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>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
MYCAR	TWO	MYCAR2.MYCAR	ONE	05/24/2018	28 FEB 2019
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

This is a corrected copy of the procedure published in NFDD 234. See page 4.

**DP ROUTE DESCRIPTION:****BURKE LAKEFRONT (KBKL)**

TAKEOFF RW6L: CLIMB HEADING 064.91 TO 1100, THEN ON HEADING 350.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS OCIFR AT OR ABOVE 3000, THENCE...

TAKEOFF RW6R: CLIMB HEADING 064.92 TO 1100, THEN ON HEADING 350.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS OCIFR AT OR ABOVE 3000, THENCE...

TAKEOFF RW24L: CLIMB HEADING 244.93 TO 1100, THEN RIGHT TURN ON HEADING 350.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS OCIFR AT OR ABOVE 3000, THENCE...

TAKEOFF RW24R: CLIMB HEADING 244.92 TO 1100, THEN RIGHT TURN ON HEADING 350.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS OCIFR AT OR ABOVE 3000, THENCE...

**CUYAHOGA COUNTY (KCGF)**

TAKEOFF RW6: CLIMB HEADING 056.48 TO 1900, THEN ON HEADING 330.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS OCIFR AT OR ABOVE 3000, THENCE...

TAKEOFF RW24: CLIMB HEADING 236.49 TO 1900, THEN RIGHT TURN ON HEADING 330.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS OCIFR AT OR ABOVE 3000, THENCE...

**LORAIN COUNTY RGNL (KLPR)**

TAKEOFF RW7: CLIMB HEADING 072.01 TO 1300, THEN ON HEADING 360.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS OCIFR AT OR ABOVE 3000, THENCE...

TAKEOFF RW25: CLIMB HEADING 252.02 TO 1300, THEN RIGHT TURN ON HEADING 360.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS OCIFR AT OR ABOVE 3000, THENCE...

**WILLOUGHBY LOST NATION MUNI (KLNN)**

TAKEOFF RW5: CLIMB HEADING 051.59 TO 1140, THEN ON HEADING 330.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS OCIFR AT OR ABOVE 3000, THENCE...

TAKEOFF RW10: CLIMB HEADING 097.51 TO 1140, THEN LEFT TURN ON HEADING 330.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS OCIFR AT OR ABOVE 3000, THENCE...

TAKEOFF RW23: CLIMB HEADING 231.60 TO 1140, THEN RIGHT TURN ON HEADING 330.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS OCIFR AT OR ABOVE 3000, THENCE...

TAKEOFF RW28: CLIMB HEADING 277.52 TO 1140, THEN ON HEADING 330.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS OCIFR AT OR ABOVE 3000, THENCE...

...ON TRACK 078.64 TO WHARS, THEN ON TRACK 079.07 TO MYCAR. MAINTAIN 14000, EXPECT FILED ALTITUDE TEN MINUTES 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>
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**PROCEDURAL DATA NOTES:**

NOTE: RNAV 1

NOTE: RADAR REQUIRED

NOTE: DME/DME/IRU OR GPS REQUIRED

**TAKEOFF MINIMUMS:****BURKE LAKEFRONT (KBKL)**

**RWY 6L, RWY 6R, RWY 24R** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1100.

**RWY RWY 24L** 400-1 3/8 OR STANDARD WITH MINIMUM CLIMB OF 757 FT PER NM TO 1000.

**CUYAHOGA COUNTY (KCGF)**

**RWY 6, 24** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1400.

**LORAIN COUNTY RGNL (KLPR)**

**RWY 7, 25** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1300.

QUALITY  
35  
CHECKED

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MYCAR	TWO	MYCAR2.MYCAR	ONE	05/24/2018	28 FEB 2019

**WILLOUGHBY LOST NATION MUNI (KLNN)****RWY 5, 10, 23, 28** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1140.**TAKEOFF OBSTACLES NOTES:**

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

**CONTROLLING OBSTACLES:****BURKE LAKEFRONT (KBKL)****RWY 24L:** 740 FT MSL BUILDING 413031.10N/0814144.07W (CLIMB GRADIENT), 896 FT MSL BUILDING 413004.41N/0814214.10W (CEILING/CLIMB-TO ALTITUDE), 787 FT MSL BRIDGE 412953.73N/0814231.66W (VISIBILITY).**LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:****BURKE LAKEFRONT (KBKL)** - CHART: TOP ALTITUDE: 14000.**CUYAHOGA COUNTY (KCGF)** - CHART: TOP ALTITUDE: 14000**LORAIN COUNTY RGNL (KLPR)** - CHART: TOP ALTITUDE: 14000**WILLOUGHBY LOST NATION MUNI (KLNN)** - CHART: TOP ALTITUDE: 14000.

DME/DME ASSESSMENT: SAT (RNP 2.0)

REFERENCE MAG VAR: KBKL 07W EPOCH YR: 1990.

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
BURKE LAKEFRONT (KBKL)	CLEVELAND	OH
CUYAHOGA COUNTY (KCGF)	CLEVELAND	OH
LORAIN COUNTY RGNL (KLPR)	LORAIN/ELYRIA	OH
WILLOUGHBY LOST NATION MUNI (KLNN)	WILLOUGHBY	OH

**COMMUNICATIONS:****BURKE LAKEFRONT:** ATIS, AWOS/ASOS, BKL ATCT, CLNC DEL, GND CON, CTAF, DEPARTURE CONTROL**CUYAHOGA COUNTY:** ATIS, AWOS/ASOS, CGF ATCT, CLNC DEL, GND CON, CTAF, DEPARTURE CONTROL**LORAIN COUNTY RGNL:** ATIS, AWOS/ASOS, CLNC DEL, CTAF, DEPARTURE CONTROL**WILLOUGHBY LOST NATION MUNI:** ATIS, AWOS/ASOS, CTAF, DEPARTURE CONTROL**FIXES AND/OR NAVAIDS:****REMARKS:**

LETTER OF APPROVAL ON FILE FOR KBKL RWY 24L MINIMUM CLIMB OF 757 FT PER NM TO 1000.



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MYCAR	TWO	MYCAR2.MYCAR	ONE	05/24/2018	28 FEB 2019

**FLIGHT INSPECTED BY:**

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT  
OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018.

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

JIMMY S. HUGHES

**OFFICE SYMBOL:**

AJV-5422

**DATE:**

09/07/2018

**APPROVED BY:**

JULIE A. MORGAN

**OFFICE SYMBOL:**

AJV-5420

**DATE:****REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

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

**OTHER:**

ZOB, CLE DEP CON, BKL ATCT, CGF ATCT, AMGRS, CENTRAL FPT

**CHANGES - REASONS:**

1. CHANGED LORAIN COUNTY RGNL (KLPR) TAKEOFF RW07 AND 25 INITIAL CLIMB TO ALTITUDE FROM 2200 TO 1300 - DECREASED TO LOWEST FLIGHT CHECKED VALUE TO MATCH OTHER LPR RNAV SIDS.
2. CHANGED CUYAHOGA COUNTY (KCGF) TAKEOFF RW06: CLIMB HEADING 056.48 TO 2500, TO RW06: CLIMB HEADING 056.48 TO 1900. - NOISE ABATEMENT.
3. CHANGED WILLOUGHBY LOST NATION MUNI (KLNN) TAKEOFF RW05: CLIMB HEADING 051.59 TO 2500, TAKEOFF RW10: CLIMB HEADING 097.51 TO 2500, TAKEOFF RW23: CLIMB HEADING 231.60 TO 2500, TAKEOFF RW28: CLIMB HEADING 277.52 TO 2500, TO TAKEOFF RW05: CLIMB HEADING 051.59 TO 1140, TAKEOFF RW10: CLIMB HEADING 097.51 TO 1140, TAKEOFF RW23: CLIMB HEADING 231.60 TO 1140, TAKEOFF RW28: CLIMB HEADING 277.52 TO 1140. - DECREASED TO LOWEST FLIGHT CHECKED VALUE BY INCREASING CG FROM STANDARD TO 500 FPNM. THIS NOW MATCHES OTHER CLE SIDS WITH LNN AIRPORT.
4. CHANGED DP ROUTE DESCRIPTION WORDING FROM: ON TRACK 078.64 TO CROSS WHARS AT OR BELOW 14000, THEN ON TRACK 079.07 TO MYCAR. MAINTAIN ALTITUDE ASSIGNED BY ATC... TO READ: ON TRACK 078.64 TO WHARS, THEN ON TRACK 079.07 TO MYCAR. MAINTAIN 14000...- THIS CHANGE STANDARDIZES WORDING ON ALL CLE DP ROUTE DESCRIPTIONS USING TOP ALTITUDE 14000.
5. RAISED CGF INITIAL CLIMB GRADIENT, ALL RWYS, FROM STANDARD TO 500 FPNM TO 1400 - MATCH OTHER CLE SIDS.
6. RAISED LPR INITIAL CLIMB GRADIENT, ALL RWYS, FROM STANDARD TO 500 FPNM TO 1300 - MATCH OTHER CLE SIDS.
7. RAISED LNN INITIAL CLIMB GRADIENT, ALL RWYS, FROM STANDARD TO 500 FPNM TO 1140 - MATCH OTHER CLE SIDS.
8. ADDED "OR AS ASSIGNED BY ATC" TO ALL RUNWAY DP ROUTES - REQUESTED BY ATC.
9. CHANGED COMMUNICATIONS BLOCK TO SHOW EACH INDIVIDUAL AIRPORT AND COMM REQUIREMENTS - MATCH OTHER CLE SIDS.
10. DELETED CROSSING ALTITUDE RESTRICTION AT/BELOW 14000 AT WHARS IN DP ROUTE - REQUESTED BY ATC, TOP ALTITUDE IS 14000.

10/30/18: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 10/22/18.

CHANGED THE DP ROUTE DESCRIPTION TO FROM: ...ON TRACK 078.64 TO WHARS, THEN ON TRACK 079.07 TO MYCAR. MAINTAIN 14000, EXPECT FILED ALTITUDE TEN MINUTES AFTER DEPARTURE, TO READ: ...ON TRACK 078.64 TO WHARS, THEN ON TRACK 079.07 TO MYCAR. MAINTAIN 14000 OR LOWER FILED ALTITUDE, EXPECT HIGHER FILED ALTITUDE TEN MINUTES AFTER DEPARTURE.

12/11/18: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 10/31/18.

CHANGED DP ROUTE DESCRIPTION FROM:...ON TRACK 078.64 TO WHARS, THEN ON TRACK 079.07 TO MYCAR. MAINTAIN 14000 OR LOWER FILED ALTITUDE, EXPECT HIGHER FILED ALTITUDE TEN MINUTES AFTER DEPARTURE, TO READ:...ON TRACK 078.64 TO WHARS, THEN ON TRACK 079.07 TO MYCAR. MAINTAIN 14000, EXPECT FILED ALTIUDE TEN MINUTES AFTER DEPARTURE.

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
DEPARTURE (DATA RECORD)**

<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>EFFECTIVE DATE</u>
MYCAR		TWO		MYCAR2.MYCAR		ONE		05/24/2018	28 FEB 2019
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
BURKE LAKEFRONT (KBKL)									
RW06L (AER)*	413051.82N/0814129.42W*	N	-	-	-	-			*DISPL THLD (178 FT)
1100 MSL	-	-	-	VA	057.91	-			CG 500 FT PER NM TO 1100.
-	-	-	-	VM	343.00	-			
RW06R (AER)*	413047.12N/0814127.01W*	N	-	-	-	-			*DISPL THLD (275 FT)
1100 MSL	-	-	-	VA	057.92	-			CG 500 FT PER NM TO 1100.
-	-	-	-	VM	343.00	-			
RW24L (AER)	413112.95N/0814032.20W	N	-	-	-	-			
1100 MSL	-	-	-	VA	237.93	-			CG 757 FT PER NM TO 1000.
-	-	-	-	VM	343.00	-			RIGHT TURN
RW24R (AER)*	413122.39N/0814024.54W*	N	-	-	--				*DISPL THLD (600 FT)
1100 MSL	-	-	-	VA	237.92	-			CG 500 FT PER NM TO 1100.
-	-	-	-	VM	343.00	-			RIGHT TURN
CUYAHOGA COUNTY (KCGF)									
RW06 (AER)*	413336.83N/0812938.32W*	N	-	-	-	-			*DISPL THLD (318 FT)
1900 MSL	-	-	-	VA	049.48	-			CG 500 FT PER NM TO 1400.
-	-	-	-	VM	323.00				

QUALITY  
9  
CHECKED

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DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
MYCAR							TWO	MYCAR2.MYCAR	ONE	05/24/2018	28 FEB 2019
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
RW24 (AER)*	413406.89N/0812851.49W*	N	-	-	-	-				*DISPL THLD (500 FT)	
1900 MSL	-	-	-	VA	229.49	-				CG 500 FT PER NM TO 1400.	
-	-	-	-	VM	323.00	-				RIGHT TURN	
	LORAIN COUNTY RGNL (KLPR)										
RW07 (AER)	412028.96N/0821109.17W	N	-	-	-	-					
1300 MSL	-	-	-	VA	065.01	-				CG 500 FT PER NM TO 1300.	
-	-	-	-	VM	353.00	-					
RW25 (AER)	412049.83N/0821009.74W	N	-	-	-	-					
1300 MSL	-	-	-	VA	245.02	-				CG 500 FT PER NM TO 1300.	
-	-	-	-	VM	353.00	-				RIGHT TURN	
	WILLOUGHBY LOST NATION MUNI (KLNN)										
RW05 (AER)*	414052.54N/0812346.84W*	N	-	-	-	-				*DISPL THLD (428 FT)	
1140 MSL	-	-	-	VA	044.59	-				CG 500 FT PER NM TO 1140.	
-	-	-	-	VM	323.00	-					
RW10 (AER)	414057.07N/0812346.05W	N	-	-	-	-					
1140 MSL	-	-	-	VA	090.51	-				CG 500 FT PER NM TO 1140.	
-	-	-	-	VM	323.00	-				LEFT TURN	

QUALITY  
9  
CHECKED

QUALITY  
9  
CHECKED

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DEPARTURE (DATA RECORD)**

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MYCAR		TWO		MYCAR2.MYCAR		ONE		05/24/2018	28 FEB 2019
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
RW23 (AER)	414124.90N/0812304.28W	N	-	-	-	-			
1140 MSL	-	-	-	VA	224.60	-			CG 500 FT PER NM TO 1140.
-	-	-	-	VM	323.00				RIGHT TURN
RW28 (AER)*	414056.79N/0812304.55W*	N	-	-	-	-			*DISPL THLD (1124 FT)
1140 MSL	-	-	-	VA	270.52	-			CG 500 FT PER NM TO 1140.
-	-	-	-	VM	323.00				
OCIFR	414710.02N/0812223.63W	Y	-	IF	-	-	AT/ABOVE 3000		
WHARS	415129.70N/0810451.32W	Y	FB	TF	071.64	13.81			
MYCAR	415537.85N/0804739.14W	Y	FB	TF	072.07	13.50			

