

**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SUPERSEDED NUMBER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>ACTUAL EFFECTIVE DATE</u> |
|----------------|---------------|-------------------------|--------------------------|--------------|------------------------------|
| ZAAPA          | SIX           | ZAAPA6.ZAAPA            | FIVE                     | 03/26/2020   | <b>27 Nov 2025</b>           |

| <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"/> |

**DP ROUTE DESCRIPTION:**

**CLEVELAND-HOPKINS INTL (KCLE):**

TAKEOFF RWY 6L: CLIMB ON HEADING 057.94 TO INTERCEPT COURSE 008.85 TO CROSS EDMNN AT OR ABOVE 2000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 317.86 TO FTTZZ, THEN ON TRACK 249.63 TO CROSS DINAA AT OR ABOVE 8000, THEN ON TRACK 234.61 TO CROSS MOHUM AT OR ABOVE 9000, THENCE...  
 TAKEOFF RWY 6R: CLIMB ON HEADING 057.94 TO INTERCEPT COURSE 004.84 TO CROSS EDMNN AT OR ABOVE 2000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 317.86 TO FTTZZ, THEN ON TRACK 249.63 TO CROSS DINAA AT OR ABOVE 8000, THEN ON TRACK 234.61 TO CROSS MOHUM AT OR ABOVE 9000, THENCE...  
 TAKEOFF RWY 10: CLIMB ON HEADING 101.31 TO 3000, THEN AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MOHUM AT OR ABOVE 9000, THENCE...  
 TAKEOFF RWY 24L: CLIMB ON HEADING 237.96 TO INTERCEPT COURSE 254.86 TO CROSS DWEZL AT OR BELOW 6000, THEN ON TRACK 249.67 TO CROSS MOHUM AT OR ABOVE 9000, THENCE...  
 TAKEOFF RWY 24R: CLIMB ON HEADING 237.95 TO INTERCEPT COURSE 254.23 TO CROSS DWEZL AT OR BELOW 6000, THEN ON TRACK 249.67 TO CROSS MOHUM AT OR ABOVE 9000, THENCE...  
 TAKEOFF RWY 28: CLIMB ON HEADING 281.32 TO 2200, THEN AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MOHUM AT OR ABOVE 9000, THENCE...  
 ...ON TRACK 258.98 TO CROSS ZAAPA AT OR BELOW 14000, THEN ON (TRANSITION). MAINTAIN 14000, EXPECT FILED ALTITUDE TEN MINUTES AFTER DEPARTURE.

**BURKE LAKEFRONT (KBKL):**

TAKEOFF RWY 6L: CLIMB ON HEADING 064.91 TO 1100, THEN ON HEADING 349.00 OR AS ASSIGNED BY ATC, MAINTAIN 2000 (DO NOT CLIMB ABOVE 2000) FOR RADAR VECTORS TO CROSS MOHUM AT OR ABOVE 9000, THENCE...  
 TAKEOFF RWY 6R: CLIMB ON HEADING 064.92 TO 1100, THEN ON HEADING 349.00 OR AS ASSIGNED BY ATC, MAINTAIN 2000 (DO NOT CLIMB ABOVE 2000) FOR RADAR VECTORS TO CROSS MOHUM AT OR ABOVE 9000, THENCE...  
 TAKEOFF RWY 24L: CLIMB ON HEADING 244.93 TO 1100, THEN RIGHT TURN HEADING 349.00 OR AS ASSIGNED BY ATC, MAINTAIN 2000 (DO NOT CLIMB ABOVE 2000) FOR RADAR VECTORS TO CROSS MOHUM AT OR ABOVE 9000, THENCE...  
 TAKEOFF RWY 24R: CLIMB ON HEADING 244.92 TO 1100, THEN RIGHT TURN HEADING 349.00 OR AS ASSIGNED BY ATC, MAINTAIN 2000 (DO NOT CLIMB ABOVE 2000) FOR RADAR VECTORS TO CROSS MOHUM AT OR ABOVE 9000, THENCE...

**CUYAHOGA COUNTY (KCGF):**

TAKEOFF RWY 6: CLIMB ON HEADING 057.48 TO 1900, THEN ON HEADING 330.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MOHUM AT OR ABOVE 9000, THENCE...  
 TAKEOFF RWY 24: CLIMB ON HEADING 237.49 TO 1900, THEN RIGHT TURN HEADING 330.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MOHUM AT OR ABOVE 9000, THENCE...

**LORAIN COUNTY RGNL (KLPR):**

TAKEOFF RWY 7: CLIMB ON HEADING 073.01 TO 1300, THEN ON HEADING 360.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MOHUM AT OR ABOVE 9000, THENCE...  
 TAKEOFF RWY 25: CLIMB ON HEADING 253.02 TO 1300, THEN RIGHT TURN HEADING 360.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MOHUM AT OR ABOVE 9000, THENCE...

**LAKE COUNTY EXEC (KLNN):**

TAKEOFF RWY 5: CLIMB ON HEADING 052.59 TO 1140, THEN LEFT TURN HEADING 280.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MOHUM AT OR ABOVE 9000, THENCE...  
 TAKEOFF RWY 10: CLIMB ON HEADING 098.51 TO 1140, THEN LEFT TURN HEADING 280.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MOHUM AT OR ABOVE 9000, THENCE...  
 TAKEOFF RWY 23: CLIMB ON HEADING 232.60 TO 1140, THEN ON HEADING 280.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MOHUM AT OR ABOVE 9000, THENCE...  
 TAKEOFF RWY 28: CLIMB ON HEADING 278.52 TO 1140, THEN ON HEADING 280.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MOHUM AT OR ABOVE 9000, THENCE...

...ON TRACK 258.98 TO CROSS ZAAPA AT OR BELOW 14000, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, 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> |
|------------------------|---------------------------------|------------------------|----------------------|---------------|-----------------|------------|-------------|--------------------------------|
| SINKR                  | ZAAPA6.SINKR                    | ZAAPA                  | YELOE                | TRACK 265.01  | 53.89           | 14000      | 2400        |                                |

QUALITY  
42  
CHECKED

| <u>DP NAME</u> | <u>NUMBER</u> | <u>DP COMPUTER CODE</u> | <u>SUPERSEDED NUMBER</u> | <u>DATED</u> | <u>ACTUAL EFFECTIVE DATE</u> |
|----------------|---------------|-------------------------|--------------------------|--------------|------------------------------|
| ZAAPA          | SIX           | ZAAPA6.ZAAPA            | FIVE                     | 03/26/2020   | <b>27 Nov 2025</b>           |
|                | YELOE         | SINKR                   | TRACK 226.75             | 34.23        | 14000 3000                   |
| PUUDL          | ZAAPA6.PUUDL  | ZAAPA                   | PUUDL                    | TRACK 233.44 | 83.51 14000 2900             |
| SNNOH          | ZAAPA6.SNNOH  | ZAAPA                   | YELOE                    | TRACK 265.01 | 53.89 14000 2400             |
|                | YELOE         | SNNOH                   | TRACK 246.61             | 115.58       | 14000 2600                   |

**PBN REQUIREMENT NOTES:**  
RNAV 1 - DME/DME/IRU OR GPS.

**EQUIPMENT REQUIREMENT NOTES:**  
NOTE: RADAR REQUIRED

**PROCEDURAL DATA NOTES:**  
PUUDL TRANSITION: FOR AIRCRAFT AT OR BELOW FL220 ONLY OR AS ASSIGNED BY ATC.  
BURKE LAKEFRONT (KBKL) NOTE: RWY 6R/24L: TAKEOFF MINIMUMS NA WHEN CONTROL TOWER CLOSED.

**TAKEOFF MINIMUMS:**  
**CLEVELAND-HOPKINS INTL (KCLE)**  
RWY 6R, 6L, 24R, 24L, 28: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1300.  
RWY 10: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1600.

**BURKE LAKEFRONT (KBKL)**  
RWY 6R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1100. NA WHEN CONTROL TOWER CLOSED.  
RWY 6L, 24R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1100.  
RWY 24L: 400-1 3/8 OR STANDARD WITH MINIMUM CLIMB OF 757 FT/NM TO 1000. NA WHEN CONTROL TOWER CLOSED.

**CUYAHOGA COUNTY (KCGF)**  
RWY 6, 24: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1400.

**LORAIN COUNTY RGNL (KLPR)**  
RWY 7, 25: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1300.

**LAKE COUNTY EXEC (KLNN)**  
RWY 5, 10, 23, 28: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1140.

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

**CONTROLLING OBSTACLES:**  
**CLEVELAND-HOPKINS INTL (KCLE):** RWY 10: 2048 FT MSL TOWER 412254.00N/0814157.00W.

**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 GRADIENT TERMINATION ALTITUDE), 787 FT MSL BRIDGE 412953.73N/0814231.66W (VISIBILITY).

**MSA:**  
ALL AIRPORTS: 3100

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**  
AIRPORT MV: CLE (P) 8W/2020, BKL 7W/1990, CGF 8W/1995, LPR 8W/2015, LNN 8W/1995.  
KCLE - CHART: TOP ALTITUDE: 14000



|                         |                      |   |                                  |                            |  |
|-------------------------|----------------------|---|----------------------------------|----------------------------|--|
| <b>DP NAME</b><br>ZAAPA | <b>NUMBER</b><br>SIX | <b>DP COMPUTER CODE</b><br>ZAAPA6.ZAAPA | <b>SUPERSEDED NUMBER</b><br>FIVE | <b>DATED</b><br>03/26/2020 | <b>ACTUAL EFFECTIVE DATE</b><br><b>27 Nov 2025</b> |
|-------------------------|----------------------|---|----------------------------------|----------------------------|--|

KBKL, KCGF, KLPR, KLNN - CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
 DME/DME/IRU ASSESSMENT: SAT (RNP 2.0)  
 CHART SPEED ICON MAXIMUM SPEED 240 KIAS AT EDMNN.

**AIRPORTS SERVED:**

| <u>AIRPORT ID</u> | <u>CITY</u>   | <u>STATE</u> |
|-------------------|---------------|--------------|
| CLE               | CLEVELAND     | OH           |
| BKL               | CLEVELAND     | OH           |
| CGF               | CLEVELAND     | OH           |
| LPR               | LORAIN/ELYRIA | OH           |
| LNN               | WILLOUGHBY    | OH           |

**COMMUNICATIONS:**

**CLEVELAND-HOPKINS INTL (KCLE):** CHART: ATIS, CLNC DEL, CPDLC, GND CON, CLE ATCT, CLE APP CON.  
**BURKE LAKEFRONT (KBKL):** CHART: ATIS, CLNC DEL, GND CON, BKL ATCT, CTAF.  
**CUYAHOGA COUNTY (KCGF):** CHART: ATIS, CLNC DEL, GND CON, CGF ATCT, CTAF.  
**LORAIN COUNTY RGNL (KLPR):** CHART: ASOS, CLNC DEL, CTAF.  
**LAKE COUNTY EXEC (KLNN):** CHART: AWOS, CTAF.

**FIXES AND/OR NAVAIDS:**

**REMARKS:**

ABBREVIATED AMENDMENT.  
 THE ENVIRONMENTAL REVIEW UNDER ORDER 1050.1F AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.  
 CATEGORICAL EXCLUSION ISSUED.  
 MOCA(S) NOT CHARTED PER ATC REQUEST TO REDUCE CHART CLUTTER.  
 LETTER OF APPROVAL ON FILE FOR KBKL RWY 24L MINIMUM CLIMB OF 757 FT/NM TO 1000.

**FLIGHT INSPECTED BY**

PROCESSED IAW TECHNICAL SUPPORT GROUP  
 (AJF-17) MEMO DATED 07/07/2021, SUBJECT:  
 GUIDANCE FOR PROCEDURAL CHANGES  
 REQUIRING FLIGHT INSPECTION/ VALIDATION.

**SIGNATURE**

*Digitally signed by*  
**CASEY D HILL**  
 Aug 05, 2025

**OFFICE**

**DATE**

**SIGNATURE**

**OFFICE**

**DATE**

**DEVELOPED BY**

ALLAN WILL (BYRON STUBBLEFIELD)

*Digitally signed by*  
**CASEY D HILL**  
 Aug 05, 2025

AJV-A330

06/16/2025

**SIGNATURE**

**OFFICE**

**DATE**

**TITLE**

**APPROVED BY**

KYLE THOMPSON

*Digitally signed by*  
**CASEY D HILL**

AJV-A330

MANAGER

**REQUIRED EFFECTIVE DATE**

ROUTINE

Aug 05, 2025

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:**ZOB, CLE APP CON, CLE ATCT, CGF ATCT, BKL ATCT, CFPT, ARPT MGR

**CHANGES - REASONS:**

1. UPDATED DP NUMBER FROM FIVE TO SIX, AND ALL REFERENCES TO COMPUTER CODE TO INCLUDE ALL TRANSITIONS FROM ZAPPA5 TO ZAPPA6 - IAW 8260.46K 3-1-5C.



| <u>DP NAME</u> | <u>NUMBER</u> | <u>DP COMPUTER CODE</u> | <u>SUPERSEDED NUMBER</u> | <u>DATED</u> | <u>ACTUAL EFFECTIVE DATE</u> |
|----------------|---------------|-------------------------|--------------------------|--------------|------------------------------|
| ZAAPA          | SIX           | ZAAPA6.ZAAPA            | FIVE                     | 03/26/2020   | <b>27 Nov 2025</b>           |

2. ADDED "NA WHEN CONTROL TOWER CLOSED" TO KBKL RWY 6R AND RWY 24L TAKEOFF MINIMUMS. - INCORPORATE NOTAM !FDC 5/4429.
3. PROCEDURAL DATA NOTES: REMOVED NOTE "RNAV 1", CHANGED "DME/DME/IRU OR GPS REQUIRED" TO "RNAV 1 - DME/DME/IRU OR GPS" AND MOVED TO PBN REQUIREMENTS NOTE - IAW 8260.46K 2-1-5I.
4. ADDITIONAL FLIGHT DATA: REPLACED AIRPORT NAMES WITH AIRPORT IDS - IAW 8260.46K SECTION 1 PARA 2M(6)(B)
5. ADDITIONAL FLIGHT DATA: ADDED AIRPORT MV: CLE (P) 8W/2020, BKL 7W/1990, CGF 8W/1995, LPR 8W/2015, LNN 8W/1995. - IAW 8260.46K SECTION 1,PARA 2M(4)(B)
6. COMMUNICATIONS: ADDED "CHART:" TO ALL AIRPORTS AND REMOVED ALL INSTANCES OF DEPARTURE CONTROL - IAW 8260.46K APPENDIX E, SECTION 1,PARA 2O.
7. PROCEDURAL DATA NOTES: MOVED RADAR REQUIRED NOTE TO EQUIPMENT NOTES - IAW 8260.46K 2-1-5J(3).
8. PROCEDURE DATA NOTES: ADDED: BURKE LAKEFRONT (KBKL): RWY6R/24L: TAKEOFF MINIMUMS NA WHEN CONTROL TOWER CLOSED - CLEARS NOTAM 5/4429.
9. MSA: ADDED "ALL AIRPORTS: 3100" - IAW 8260.46K 3-1-2A(2).
10. AIRPORTS SERVED: UPDATED TO "AIRPORT ID, CITY, & STATE CODE" ONLY - IAW 8260.46K APPENDIX E, PARA 2N.
11. DP ROUTE DESCRIPTION: KCLE THENCE STATEMENT; REMOVED OR AS ASSIGNED BY ATC." - IAW 8260.46K 2-1-5H(E)(3)(C).
12. DP ROUTE DESCRIPTION: KBKL, CHANGED RWY HEADING FOR 6L FROM 65.91 TO 64.91, 6R FROM 65.92 TO 64.92, 24L FROM 245.91 TO 244.91, 24R FROM 245.92 TO 244.92 AND ALL REFERENCES FOR ALL RUNWAYS AT KBKL, CHANGED "THEN ON/RIGHT TURN HEADING" FROM 350.00 TO 349.00 - IAW 8260.46K APPENDIX E, SECTION 1, PARA M(6)(B), TRUE COURSE REMAINS SAME, UPDATED CRITERIA.
13. CONTROLLING OBSTACLES: KBKL 24L: CHANGED CLIMB-TO ALTITUDE TO CLIMB GRADIENT TERMINATION ALTITUDE - 896 FT MSL BUILDING CONTROLS THE TERMINATION OF THE NON-STANDARD CLIMB GRADIENT, CLIMB-TO ALTITUDE OBSTACLE CLARIFIED BY 8206.3G 13-1-3B(1).



**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>ACTUAL EFFECTIVE DATE</u> |                  |                 |               |                         |
|-------------------|-------------------------------|-------------------------|--------------------------|-----------------|------------------------------|------------------|-----------------|---------------|-------------------------|
| ZAAPA             | SIX                           | ZAAPA6.ZAAPA            | FIVE                     | 03/26/2020      | <b>27 Nov 2025</b>           |                  |                 |               |                         |
| <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>          |
|                   | CLEVELAND-HOPKINS INTL (KCLE) |                         |                          |                 |                              |                  |                 |               |                         |
| RW06L (AER)       | 412359.53N/0815224.55W        | N                       | -                        | -               | -                            | -                |                 |               |                         |
| -                 | 412536.89N/0814950.69W        | -                       | -                        | VI              | 049.94                       | 1.04             |                 |               | CG 500 FT/NM TO 1300    |
| EDMNN             | 412932.72N/0814946.03W        | Y                       | FB                       | CF              | 360.85                       | 3.93             | AT/ABOVE 2000   | AT/BELOW 240K |                         |
| FTTZZ             | 413220.00N/0815412.81W        | Y                       | FB                       | TF              | 309.86                       | 4.35             |                 |               |                         |
| DINAA             | 412927.09N/0820118.06W        | Y                       | FB                       | TF              | 241.63                       | 6.05             | AT/ABOVE 8000   |               |                         |
| MOHUM             | 411121.32N/0822634.68W        | Y                       | FB                       | TF              | 226.61                       | 26.26            | AT/ABOVE 9000   |               |                         |
| RW06R (AER)*      | 412404.10N/0815152.03W*       | N                       | -                        | -               | -                            | -                |                 |               | *DISPL THLD (1926 FEET) |
| -                 | 412534.86N/0814928.56W        | -                       | -                        | VI              | 049.94                       | 1.03             |                 |               | CG 500 FT/NM TO 1300    |
| EDMNN             | 412932.72N/0814946.03W        | Y                       | FB                       | CF              | 356.84                       | 3.97             | AT/ABOVE 2000   | AT/BELOW 240K |                         |
| FTTZZ             | 413220.00N/0815412.81W        | Y                       | FB                       | TF              | 309.86                       | 4.35             |                 |               |                         |
| DINAA             | 412927.09N/0820118.06W        | Y                       | FB                       | TF              | 241.63                       | 6.05             | AT/ABOVE 8000   |               |                         |
| MOHUM             | 411121.32N/0822634.68W        | Y                       | FB                       | TF              | 226.61                       | 26.26            | AT/ABOVE 9000   |               |                         |
| RW10 (AER)        | 412501.26N/0815115.28W        | N                       | -                        | -               | -                            | -                |                 |               |                         |
| 3000 MSL          | -                             | -                       | -                        | VA              | 093.31                       |                  | AT/ABOVE 3000   |               | CG 500 FT/NM TO 1600    |
| -                 | -                             | -                       | -                        | VM              | 093.31                       |                  |                 |               |                         |
| RW24L (AER)       | 412455.14N/0815031.37W        | N                       | -                        | -               | -                            | -                |                 |               |                         |
| -                 | 412311.33N/0815315.36W        | -                       | -                        | VI              | 229.96                       | 1.05             |                 |               | CG 500 FT/NM TO 1300    |
| DWEZL             | 411644.19N/0821323.62W        | Y                       | FB                       | CF              | 246.86                       | 16.48            | AT/BELOW 6000   |               |                         |



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| ZAAPA   | SIX    | ZAAPA6.ZAAPA     | FIVE              | 03/26/2020 | <b>27 Nov 2025</b>    |

| FIX/NAVAID             | LAT/LONG                | C | FO/FB | LEG TYPE | TC     | DIST (NM) | ALTITUDE      | SPEED | REMARKS                |
|------------------------|-------------------------|---|-------|----------|--------|-----------|---------------|-------|------------------------|
| MOHUM                  | 411121.32N/0822634.68W  | Y | FB    | TF       | 241.67 | 11.03     | AT/ABOVE 9000 |       |                        |
| RW24R (AER)            | 412456.75N/0815054.15W  | N | -     | -        | -      | -         |               |       |                        |
| -                      | 412318.61N/0815329.17W  | - | -     | VI       | 229.95 | 1.06      |               |       | CG 500 FT/NM TO 1300   |
| DWEZL                  | 411644.19N/0821323.62W  | Y | FB    | CF       | 246.23 | 16.37     | AT/BELOW 6000 |       |                        |
| MOHUM                  | 411121.32N/0822634.68W  | Y | FB    | TF       | 241.67 | 11.03     | AT/ABOVE 9000 |       |                        |
| RW28 (AER)             | 412457.82N/0814956.44W  | N | -     | -        | -      | -         |               |       |                        |
| 2200 MSL               | -                       | - | -     | VA       | 273.32 |           | AT/ABOVE 2200 |       | CG 500 FT/NM TO 1300   |
| -                      | -                       | - | -     | VM       | 273.32 |           |               |       |                        |
| BURKE LAKEFRONT (KBKL) |                         |   |       |          |        |           |               |       |                        |
| RW06L (AER)*           | 413051.82N/0814129.42W* | N | -     | -        | -      | -         |               |       | *DISPL THLD (178 FEET) |
| 1100 MSL               | -                       | - | -     | VA       | 057.91 |           | AT/ABOVE 1100 |       | CG 500 FT/NM TO 1100   |
| -                      | -                       | - | -     | VM       | 342.00 |           |               |       |                        |
| RW06R (AER)*           | 413047.12N/0814127.01W* | N | -     | -        | -      | -         |               |       | *DISPL THLD (275 FEET) |
| 1100 MSL               | -                       | - | -     | VA       | 057.91 |           | AT/ABOVE 1100 |       | CG 500 FT/NM TO 1100   |
| -                      | -                       | - | -     | VM       | 342.00 |           |               |       |                        |
| RW24L (AER)            | 413112.95N/0814032.20W  | N | -     | -        | -      | -         |               |       |                        |
| 1100 MSL               | -                       | - | -     | VA       | 237.93 |           | AT/ABOVE 1100 |       | CG 757 FT/NM TO 1000   |
| -                      | -                       | - | -     | VM       | 342.00 |           |               |       | RIGHT TURN             |



| DP NAME | NUMBER | DP COMPUTER CODE | SUPERSEDED NUMBER | DATED      | ACTUAL EFFECTIVE DATE |
|---------|--------|------------------|-------------------|------------|-----------------------|
| ZAAPA   | SIX    | ZAAPA6.ZAAPA     | FIVE              | 03/26/2020 | <b>27 Nov 2025</b>    |

| FIX/NAVAID   | LAT/LONG                | C | FO/FB | LEG TYPE | TC     | DIST (NM) | ALTITUDE      | SPEED | REMARKS                |
|--------------|-------------------------|---|-------|----------|--------|-----------|---------------|-------|------------------------|
| RW24R (AER)* | 413122.39N/0814024.54W* | N | -     | -        | -      | -         |               |       | *DISPL THLD (600 FEET) |
| 1100 MSL     | -                       | - | -     | VA       | 237.92 | -         | AT/ABOVE 1100 |       | CG 500 FT/NM TO 1100   |
| -            | -                       | - | -     | VM       | 342.00 | -         |               |       | RIGHT TURN             |

CUYAHOGA COUNTY (KCGF)

|            |                         |   |   |    |        |   |               |  |                       |
|------------|-------------------------|---|---|----|--------|---|---------------|--|-----------------------|
| RW06 (AER) | 413336.83N/0812938.32W* | N | - | -  | -      | - |               |  | DISPL THLD (318 FEET) |
| 1900 MSL   | -                       | - | - | VA | 049.48 | - | AT/ABOVE 1900 |  | CG 500 FT/NM TO 1400  |
| -          | -                       | - | - | VM | 322.00 | - |               |  |                       |

|             |                         |   |   |    |        |   |               |  |                        |
|-------------|-------------------------|---|---|----|--------|---|---------------|--|------------------------|
| RW24 (AER)* | 413406.89N/0812851.49W* | N | - | -  | -      | - |               |  | *DISPL THLD (500 FEET) |
| 1900 MSL    | -                       | - | - | VA | 229.49 | - | AT/ABOVE 1900 |  | CG 500 FT/NM TO 1400   |
| -           | -                       | - | - | VM | 322.00 | - |               |  | RIGHT TURN             |

LORAIN COUNTY RGNL (KLPR)

|            |                        |   |   |    |        |   |               |  |                      |
|------------|------------------------|---|---|----|--------|---|---------------|--|----------------------|
| RW07 (AER) | 412028.96N/0821109.17W | N | - | -  | -      | - |               |  |                      |
| 1300 MSL   | -                      | - | - | VA | 065.01 | - | AT/ABOVE 1300 |  | CG 500 FT/NM TO 1300 |
| -          | -                      | - | - | VM | 352.00 | - |               |  |                      |

|            |                        |   |   |    |        |   |               |  |                      |
|------------|------------------------|---|---|----|--------|---|---------------|--|----------------------|
| RW25 (AER) | 412049.83N/0821009.74W | N | - | -  | -      | - |               |  |                      |
| 1300 MSL   | -                      | - | - | VA | 245.02 | - | AT/ABOVE 1300 |  | CG 500 FT/NM TO 1300 |
| -          | -                      | - | - | VM | 352.00 | - |               |  | RIGHT TURN           |

LAKE COUNTY EXEC (LNN)

|             |                         |   |   |   |   |   |  |  |                        |
|-------------|-------------------------|---|---|---|---|---|--|--|------------------------|
| RW05 (AER)* | 414052.54N/0812346.84W* | N | - | - | - | - |  |  | *DISPL THLD (428 FEET) |
|-------------|-------------------------|---|---|---|---|---|--|--|------------------------|



| <u>DP NAME</u>    |                         | <u>NUMBER</u> |              | <u>DP COMPUTER CODE</u> |           | <u>SUPERSEDED NUMBER</u> |                 | <u>DATED</u> |                         | <u>ACTUAL EFFECTIVE DATE</u> |  |
|-------------------|-------------------------|---------------|--------------|-------------------------|-----------|--------------------------|-----------------|--------------|-------------------------|------------------------------|--|
| ZAAPA             |                         | SIX           |              | ZAAPA6.ZAAPA            |           | FIVE                     |                 | 03/26/2020   |                         | 27 Nov 2025                  |  |
| <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>          |                              |  |
| 1140 MSL          | -                       | -             | -            | VA                      | 044.59    | -                        | AT/ABOVE 1140   |              | CG 500 FT/NM TO 1140    |                              |  |
| -                 | -                       | -             | -            | VM                      | 272.00    | -                        |                 |              | LEFT TURN               |                              |  |
| RW10 (AER)        | 414057.07N/0812346.05W  | N             | -            | -                       | -         | -                        |                 |              |                         |                              |  |
| 1140 MSL          | -                       | -             | -            | VA                      | 090.51    | -                        | AT/ABOVE 1140   |              | CG 500 FT/NM TO 1140    |                              |  |
| -                 | -                       | -             | -            | VM                      | 272.00    | -                        |                 |              | LEFT TURN               |                              |  |
| RW23 (AER)        | 414124.90N/0812304.28W  | N             | -            | -                       | -         | -                        |                 |              |                         |                              |  |
| 1140 MSL          | -                       | -             | -            | VA                      | 224.60    | -                        | AT/ABOVE 1140   |              | CG 500 FT/NM TO 1140    |                              |  |
| -                 | -                       | -             | -            | VM                      | 272.00    | -                        |                 |              |                         |                              |  |
| RW28 (AER)*       | 414056.79N/0812304.56W* | N             | -            | -                       | -         | -                        |                 |              | *DISPL THLD (1124 FEET) |                              |  |
| 1140 MSL          | -                       | -             | -            | VA                      | 270.52    | -                        | AT/ABOVE 1140   |              | CG 500 FT/NM TO 1140    |                              |  |
| -                 | -                       | -             | -            | VM                      | 272.00    | -                        |                 |              |                         |                              |  |
| MOHUM             | 411121.32N/0822634.68W  | Y             | -            | IF                      | -         | -                        | AT/ABOVE 9000   |              |                         |                              |  |
| ZAAPA             | 410619.17N/0824547.67W  | Y             | FB           | TF                      | 250.98    | 15.37                    | AT/BELOW 14000  |              |                         |                              |  |
| ZAAPA             | 410619.17N/0824547.67W  | Y             | -            | IF                      | -         | -                        |                 |              | ZAAPA6.SINKR            |                              |  |
| YELOE             | 405350.81N/0835502.54W  | Y             | FB           | TF                      | 257.01    | 53.89                    |                 |              |                         |                              |  |
| SINKR             | 402704.65N/0842306.73W  | Y             | FB           | TF                      | 218.75    | 34.23                    |                 |              |                         |                              |  |
| ZAAPA             | 410619.17N/0824547.67W  | Y             | -            | IF                      | -         | -                        |                 |              | ZAAPA6.PUUDL            |                              |  |



| <u>DP NAME</u>    |                        | <u>NUMBER</u> | <u>DP COMPUTER CODE</u> | <u>SUPERSEDED NUMBER</u> | <u>DATED</u> | <u>ACTUAL EFFECTIVE DATE</u> |                 |              |                |
|-------------------|------------------------|---------------|-------------------------|--------------------------|--------------|------------------------------|-----------------|--------------|----------------|
| ZAAPA             |                        | SIX           | ZAAPA6.ZAAPA            | FIVE                     | 03/26/2020   | <b>27 Nov 2025</b>           |                 |              |                |
| <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> |
| PUUDL             | 400714.40N/0840321.44W | Y             | FB                      | TF                       | 225.44       | 83.51                        |                 |              |                |
| ZAAPA             | 410619.17N/0824547.67W | Y             | -                       | IF                       |              |                              |                 |              | ZAAPA6.SNNOH   |
| YELOE             | 405350.81N/0835502.54W | Y             | FB                      | TF                       | 257.01       | 53.89                        |                 |              |                |
| SNNOH             | 395223.84N/0860311.90W | Y             | FB                      | TF                       | 238.61       | 115.58                       |                 |              |                |

QUALITY  
42  
CHECKED