U.S. Department of Transportation
Federal Aviation Administration

# RNAV - STANDARD
# INSTRUMENT APPROACH PROCEDURE
# FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| FLM VOR/DME (40V) | CRITR (TF)(FB)(RNP 1.00) (40E) | 287.33/17.34 | 6000 |
| CRITR (40E) | BRTCL (TF)(FB)(RNP 1.00) (40E)(43A) | 358.60/7.28 | 5000 |
| BRTCL (IAF)(40E)(43A) | BEPEE (TF)(FB)(RNP 1.00) (40E)(41E) | 004.17/3.14 | 4000 |
| BEPEE (IF)(40E)(43I) | CUTAC (TF)(FB)(RNP 0.50) (40E)(42S) | 004.17/3.14 | 3000 |
| CUTAC (40E)(42S) | ROPRR (TF)(FB)(RNP 0.50) (40E) (43F) | 004.17/1.88 | 2400 |
| ROPRR (FAF)(40E)(43F) | RW36L (TF)(FO)(40G)(41Y)(43M) | 004.17/4.56 | |
| RW36L (MAP)(40G)(41Y)(43M) | KRTHY (TF)(FB)(RNP 1.00) (40E) | 004.17/5.89 | |
| KRTHY (40E) | BATHY (TF)(FO)(RNP 1.00) (40E)(41E)(43H) | 327.45/18.63 | 3000 |

## MISSED APPROACH

MAP: DA

CLIMB TO 3000 VIA 004.17 TRACK TO KRTHY AND VIA 327.45 TRACK TO BATHY AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 340.00 INBOUND.
CHART FAS OBST: 956 TREE 390211N/0844108W
DISTANCE TO THLD FROM 388 HAT: 1.04 NM
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
#TCH 928.4 (DO NOT CHART)

1. PT NA SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
2. PROFILE STARTS AT BRTCL
3. FAC: 004.17 FAF: _____ DIST FAF TO MAP: _____ THLD: _____
4. MIN. ALT: BRTCL 5000, BEPEE 4000, CUTAC 3000
5. DIST TO THLD FROM OM: 4.56 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____
6. MIN GS INCPT: 2400 GS ALT AT: ROPRR 2400 OM: _____ MM: _____ IM: _____
7. GS ANGLE: 3.00 TCH: 55.0# 34:1 IS CLEAR
8. MSA FROM: RW36L 3000

MAG VAR: 4W EPOCH YEAR: 95

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X |

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED | | | | | | | | | | | | | | | |
| RNP 0.29 DA | 1261 | 4000 | 388 | 1261 | 4000 | 388 | 1261 | 4000 | 388 | 1261 | 4000 | 388 | | | |
| RNP 0.30 DA | 1264 | 5000 | 391 | 1264 | 5000 | 391 | 1264 | 5000 | 391 | 1264 | 5000 | 391 | | | |
| | | | | | | | | | | | | | | | |

NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -16C (4F) OR ABOVE 47C (116F). FOR INOPERATIVE ALSF, INCREASE RNP 0.29 AND RNP 0.30 VISIBILITY TO RVR 6000.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FLM VOR/DME AIRWAY RADIALS 271 CW 324.

| CITY AND STATE | ELEVATION: 896 TDZE: 873<br>AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| COVINGTON, KY | CINCINNATI/NORTHERN KENTUCKY INTL | RNAV | 25 SEP 2008<br>RNAV (RNP) Z RWY 36L, ORIG | AMDT: NONE<br>DATE |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG (TRUE) | DISTANCE | ALTITUDE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | FLM | FLM | 010 | | IF | | FB | | | | |
| | FLM | CRITR | 020 | SDF | TF | | FB | 1.0 | 287.3 (283T) | 017.3 | 06000 |
| | FLM | BRTCL | 030 | IAF | TF | | FB | 1.0 | 358.6 (355T) | 007.3 | 05000 |
| | FLM | BEPEE | 040 | IF | TF | | FB | 1.0 | 004.2 (360T) | 003.1 | 04000 |
| | | BEPEE | 010 | FACF | IF | | FB | | | | 04000 |
| | | CUTAC | 011 | SDF | TF | | FB | 0.5 | 004.2 (360T) | 003.1 | 03000 |
| | | ROPRR | 020 | FAF | TF | | FB | 0.5 | 004.2 ( 360T) | 001.9 | 02400 |
| | | RW36L | 030 | MAP | TF | | FO | 0.3 | 004.2 (360T) | 004.6 | 00928 MAN |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG (TRUE) | DISTANCE | ALTITUDE |
|---|---|---|---|---|---|---|---|---|---|---|
| | KRTHY | 040 | | TF | | FB | 1.0 | 004.2 (360T) | 005.9 | |
| | BATHY | 050 | | TF | | FO | 1.0 | 327.5 (323T) | 018.6 | 03000 |
| | BATHY | 060 | | HM | R | FO | 2.0 | 340.0 (336T) | 004.0 | 03000 |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|---|
| | BATHY | N392348.22 | W0845519.42 | N3923.804 | W08455.324 |
| | BEPEE | N385320.30 | W0844103.95 | N3853.338 | W08441.066 |
| | BRTCL | N385011.70 | W0844104.66 | N3850.195 | W08441.078 |
| | CRITR | N384256.28 | W0844012.07 | N3842.938 | W08440.201 |
| | CUTAC | N385628.90 | W0844103.23 | N3856.482 | W08441.054 |
| | FLM | N383858.16 | W0841838.27 | N3838.969 | W08418.638 |
| | KRTHY | N390850.13 | W0844100.41 | N3908.836 | W08441.007 |
| | ROPRR | N385822.06 | W0844102.80 | N3858.368 | W08441.047 |
| | RW36L | N390256.11 | W0844101.76 | N3902.935 | W08441.029 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|---|
| | RW36L | 00873 | 55 |

| CITY AND STATE | ELEVATION: 896 TDZE: 873<br>AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| COVINGTON, KY | CINCINNATI/NORTHERN KENTUCKY INTL | RNAV | 25 SEP 2008<br>RNAV (RNP) Z RWY 36L, ORIG | AMDT: NONE<br>DATED: |