

RADIO FIX AND HOLDING DATA RECORD

NAME: BCATT

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 392811.58N/0852350.46W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
CEGRM (RNAV)

FAC

PAT

AIRPORT IDENT
KCVG

CITY
COVINGTON

STATE
KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/24/2014

REASON FOR REVISION:

DELETED FAC 1 (CEGRM).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 01/14/2014

OFFICE: AJV-352

NAME: MICHAEL CURRAN

APPROVED BY:

DATE: 07/24/2014

OFFICE: AJV-352

NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: CVG APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: BYRAN

STATE: KY

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 391920.24N/0845509.56W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|----------------------|-----|-----|---------------|-----------|---------|
| IAP | ILS OR LOC RWY 18C | | | KCVG | COVINGTON | KY (US) |
| IAP | ILS OR LOC RWY 18L | | | KCVG | COVINGTON | KY (US) |
| IAP | ILS OR LOC RWY 18R | | | KCVG | COVINGTON | KY (US) |
| IAP | RNAV (GPS) Y RWY 18C | | | KCVG | COVINGTON | KY (US) |
| IAP | RNAV (GPS) Y RWY 18L | | | KCVG | COVINGTON | KY (US) |
| IAP | RNAV (GPS) Y RWY 18R | | | KCVG | COVINGTON | KY (US) |
| IAP | RNAV (RNP) Z RWY 18C | | | KCVG | COVINGTON | KY (US) |
| IAP | RNAV (RNP) Z RWY 18L | | | KCVG | COVINGTON | KY (US) |
| IAP | RNAV (RNP) Z RWY 18R | | | KCVG | COVINGTON | KY (US) |
| STAR | CEGRM (RNAV) | | | KCVG | COVINGTON | KY (US) |

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/21/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 03/21/2024

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: CADIZ STATE: IN COUNTRY: US ICAO REGION CODE: K5
LATITUDE/LONGITUDE: 411003.99N/0872315.77W TYPE: WP, INT, DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | FEET | MRA | MAA |
|-----|-----------------|-------|---------|-------|---------|----------|-------|------------------|------|-------|-------|
| 1 | BOILER | BVT | VORTAC | H | 337.54 | 338.54 | 39.43 | 39.43 | | 16000 | 45000 |
| 2 | BRADFORD | BDF | VORTAC | H | 089.00 | 089.00 | 99.70 | 99.70 | | 16000 | 45000 |
| 3 | NORTHBROOK | OBK | VOR/DME | H | 159.95 | 157.95 | 68.08 | 68.08 | | 16000 | 45000 |
| 4 | CHICAGO HEIGHTS | CGT | VORTAC | L | 155.90 | 157.90 | 22.14 | 22.14 | | 18000 | 45000 |
| 5 | JOLIET | JOT | VORTAC | H | 116.06 | 118.06 | 47.79 | 47.79 | | 18000 | 45000 |

EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| CGT | VORTAC | R-156 | 23 | 18000 | 45000 |

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

BOILER (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|--------------|------------|-----|---------------|------------|---------|
| DP | LOVEY (RNAV) | | | KCVG | COVINGTON | KY (US) |
| DP | WHITEWATER | 1, 2, 3 | | KCVG | COVINGTON | KY (US) |
| EN ROUTE | J64 | 1, 2, 3 | | | | (US) |
| EN ROUTE | J89 | 1, 2, 3 | | | | (US) |
| STAR | CEGRM (RNAV) | | | KCVG | COVINGTON | KY (US) |
| STAR | SHELBYVILLE | 1, 2, 4, 5 | | KCVG | COVINGTON | KY (US) |
| STAR | SHELBYVILLE | 1, 2, 4, 5 | | K62 | FALMOUTH | KY (US) |
| STAR | SHELBYVILLE | 1, 2, 4, 5 | | I69 | BATAVIA | OH (US) |
| STAR | SHELBYVILLE | 1, 2, 4, 5 | | KLUK | CINCINNATI | OH (US) |
| STAR | SHELBYVILLE | 1, 2, 4, 5 | | KHAO | HAMILTON | OH (US) |

REQUIRED CHARTING: DP, STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 07/24/2014

REASON FOR REVISION:

ADDED FAC 4 (CGT VORTAC) AND FAC 5 (JOT VORTAC).
ADDED ESV DATA FOR FAC 4.
ADJUSTED FAC 1 DME AND DISTANCE FROM 39.44 TO 39.43 AND FAC 3 FROM 68.09 TO 68.08.
ADDED STAR TO REQUIRED CHARTING.
ADDED REMARK: BOILER (FAC 1) USED TO ESTABLISH FIX COORDINATES.
UPDATED FIX USE.

INITIATED BY: DATE: ORGANIZATION: NAME:
DEVELOPED BY: DATE: 01/10/2014 OFFICE: AJV-352 NAME: MICHAEL CURRAN
APPROVED BY: DATE: 07/24/2014 OFFICE: AJV-352 NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZAU, ZID
ATC FACILITY: CVG APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: CINCINNATI VORTAC STATE: KY COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 390057.53N/0844212.05W TYPE:
 AIRSPACE DOCKET: 23-ASO-8 FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM FEET | MRA | MAA |
|-----|------------|-------|--------|-------|---------|----------|-----|--------------------------|-----|-------|
| 1 | CINCINNATI | CVG | VORTAC | L | | | | | | 17500 |

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME DME | HOLDING ALTITUDES MIN MAX | TEMPLATES MIN MAX |
|-----|-----|-------|--------|-------------|-------------|---------------|---------------------|---------------------------|-------------------|
| 1 | NE | CVG | VORTAC | 058.59 | 238.59 | R | 1 | 3000 23000 | 4 19 |
| 2 | NE | | WP | 058.59 | 238.59 | R | 4 | 3000 14000 | 5 11 |
| 3 | NE | | WP | 060.59 | 240.59 | R | 4 | 3000 14000 | 5 11 |

CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1 | 200 | TOWER (39-000369) | 390719.00N/0843253.00W | 1714 | 4D |
| 2 | 200 | TOWER (39-000369) | 390719.00N/0843253.00W | 1714 | 4D |
| 3 | 200 | TOWER (39-000369) | 390719.00N/0843253.00W | 1714 | 4D |

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FAC MAGVAR 4W/2000

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|---------------------------|-----|------|---------------|----------------|---------|
| DP | INDY | | | KIND | INDIANAPOLIS | IN (US) |
| DP | BLUEGRASS | | | KCVG | COVINGTON | KY (US) |
| DP | CINCINNATI | | | KCVG | COVINGTON | KY (US) |
| DP | WHITEWATER | | | KCVG | COVINGTON | KY (US) |
| DP | DAYTON | | | KDAY | DAYTON | OH (US) |
| EN ROUTE | V128 | | | | | (US) |
| EN ROUTE | V19 | | | | | (US) |
| EN ROUTE | V275 | | | | | (US) |
| EN ROUTE | V47 | | | | | (US) |
| EN ROUTE | V5 | | | | | (US) |
| EN ROUTE | V517 | | | | | (US) |
| EN ROUTE | V97 | | | | | (US) |
| IAP | ILS OR LOC RWY 18C | | | KCVG | COVINGTON | KY (US) |
| IAP | ILS OR LOC RWY 18L | | | KCVG | COVINGTON | KY (US) |
| IAP | ILS OR LOC RWY 18R | | | KCVG | COVINGTON | KY (US) |
| IAP | ILS OR LOC RWY 27 | | | KCVG | COVINGTON | KY (US) |
| IAP | ILS OR LOC RWY 36C | | | KCVG | COVINGTON | KY (US) |
| IAP | ILS OR LOC RWY 36L | | | KCVG | COVINGTON | KY (US) |
| IAP | ILS OR LOC RWY 36R | | | KCVG | COVINGTON | KY (US) |
| IAP | ILS OR LOC RWY 9 | | | KCVG | COVINGTON | KY (US) |
| IAP | ILS RWY 18C (SA CAT I) | | | KCVG | COVINGTON | KY (US) |
| IAP | ILS RWY 18C (SA CAT II) | | | KCVG | COVINGTON | KY (US) |
| IAP | ILS RWY 18R (CAT II) | | | KCVG | COVINGTON | KY (US) |
| IAP | ILS RWY 27 (SA CAT I) | | | KCVG | COVINGTON | KY (US) |
| IAP | ILS RWY 27 (SA CAT II) | | | KCVG | COVINGTON | KY (US) |
| IAP | ILS RWY 36C (CAT II, III) | | | KCVG | COVINGTON | KY (US) |
| IAP | ILS RWY 36L (CAT II) | | | KCVG | COVINGTON | KY (US) |
| IAP | ILS RWY 36R (CAT II, III) | | | KCVG | COVINGTON | KY (US) |
| IAP | VOR-B | | | I69 | BATAVIA | OH (US) |
| IAP | ILS OR LOC RWY 21L | | | KLUK | CINCINNATI | OH (US) |
| IAP | LOC BC RWY 3R | | 1, 2 | KLUK | CINCINNATI | OH (US) |
| IAP | ILS OR LOC RWY 18 | | | KDAY | DAYTON | OH (US) |
| IAP | VOR RWY 19 | | | I67 | HARRISON | OH (US) |
| IAP | RNAV (GPS) RWY 23 | | | KHOC | HILLSBORO | OH (US) |
| IAP | ILS OR LOC RWY 22R | | | KILN | WILMINGTON | OH (US) |
| IAP | ILS OR LOC RWY 4L | | | KILN | WILMINGTON | OH (US) |
| IAP | ILS RWY 22R (CAT II, III) | | | KILN | WILMINGTON | OH (US) |
| IAP | ILS RWY 22R(SA CAT I) | | | KILN | WILMINGTON | OH (US) |
| STAR | REDSTONE | | 1 | KJVV | JEFFERSONVILLE | IN (US) |
| STAR | CINCE | | | KCVG | COVINGTON | KY (US) |
| STAR | HARDU | | | KCVG | COVINGTON | KY (US) |
| STAR | SHELBYVILLE | | | KCVG | COVINGTON | KY (US) |
| STAR | TIGRR (RNAV) (LOST COMM) | | 2 | KCVG | COVINGTON | KY (US) |
| STAR | CINCE | | | K62 | FALMOUTH | KY (US) |
| STAR | HARDU | | | K62 | FALMOUTH | KY (US) |
| STAR | HEDEE | | | K62 | FALMOUTH | KY (US) |
| STAR | SHELBYVILLE | | | K62 | FALMOUTH | KY (US) |

| | | | | | |
|------|--------------|---|------|------------|---------|
| STAR | CLEGG | | KLEX | LEXINGTON | KY (US) |
| STAR | REDSTONE | 1 | KLOU | LOUISVILLE | KY (US) |
| STAR | DLAMP (RNAV) | | KSDF | LOUISVILLE | KY (US) |
| STAR | REDSTONE | 1 | KSDF | LOUISVILLE | KY (US) |
| STAR | CINCE | | I69 | BATAVIA | OH (US) |
| STAR | HARDU | | I69 | BATAVIA | OH (US) |
| STAR | HEDEE | | I69 | BATAVIA | OH (US) |
| STAR | SHELBYVILLE | | I69 | BATAVIA | OH (US) |
| STAR | CINCE | | KLUK | CINCINNATI | OH (US) |
| STAR | HARDU | | KLUK | CINCINNATI | OH (US) |
| STAR | HEDEE | | KLUK | CINCINNATI | OH (US) |
| STAR | SHELBYVILLE | | KLUK | CINCINNATI | OH (US) |
| STAR | KEKEE | | KDAY | DAYTON | OH (US) |
| STAR | CINCE | | KHAO | HAMILTON | OH (US) |
| STAR | HARDU | | KHAO | HAMILTON | OH (US) |
| STAR | HEDEE | | KHAO | HAMILTON | OH (US) |
| STAR | SHELBYVILLE | | KHAO | HAMILTON | OH (US) |

REQUIRED CHARTING: DP, STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 24

DATE OF REVISION: 03/21/2024

REASON FOR REVISION:

1. DOCKET: ADDED "23-ASO-8"

2. ESV: REMOVED "CVG VORTAC"

2. FIX USE: ADDED "IAP ILS OR LOC RWY 18 KDAY", AND "IAP ILS RWY 22R SA CAT 1 KILN"; REMOVED "STAR JAKIE (RNAV) (LOST COMM) KCVG", "STAR SARGO (RNAV) (LOST COMM) KCVG", "STAR CEGRM (RNAV) (LOST COMM) KCVG" AND "STAR GAVNN (RNAV) (LOST COMM) KCVG"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 03/21/2024

OFFICE: AJV-A423

NAME: MICHAEL GARRITY

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: DELHI **STATE:** IL **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 415600.00N/0874710.00W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:

PER ATC REQUEST, FIX ESTABLISHED TO BE USED FOR SOUTHBOUND MKE AREA DEPARTURES TO REDUCE COORDINATION BETWEEN ZAU SECTORS AND PROVIDE BETTER TRANSITION INTO SOUTHBOUND ORD DEPARTURE FLOW.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|--------------|-----|-----|---------------|--------------|---------|
| DP | UECKR (RNAV) | | | KBUU | BURLINGTON | WI (US) |
| DP | UECKR (RNAV) | | | 57C | EAST TROY | WI (US) |
| DP | UECKR (RNAV) | | | KHXF | HARTFORD | WI (US) |
| DP | UECKR (RNAV) | | | KENW | KENOSHA | WI (US) |
| DP | UECKR (RNAV) | | | KMKE | MILWAUKEE | WI (US) |
| DP | UECKR (RNAV) | | | KMWC | MILWAUKEE | WI (US) |
| DP | UECKR (RNAV) | | | KRAC | RACINE | WI (US) |
| DP | UECKR (RNAV) | | | KUES | WAUKESHA | WI (US) |
| DP | UECKR (RNAV) | | | KETB | WEST BEND | WI (US) |
| STAR | JAKKS (RNAV) | | | KIND | INDIANAPOLIS | IN (US) |
| STAR | CEGRM (RNAV) | | | KCVG | COVINGTON | KY (US) |

REQUIRED CHARTING: DP, STAR, AREA, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 05/16/2024

REASON FOR REVISION:

REMOVED INT AND DME FORM FIX TYPE.
REMOVED FAC 1 OBK VOR/DME, FAC 2 JOT VOR/DME, FAC 3 CVG VORTAC AND FAC 4 OBK VOR/DME FROM FIX MAKE-UP FACILITIES AND ITS ASSOCIATED ESV.
REMOVED "NORTHBROOK (FAC 1) USED TO ESTABLISH FIX COORDINATES" FROM REMARKS.
REMOVED "DO NOT CHART CGT RADIAL ON EN ROUTE HIGH AND CONTROLLER HIGH CHARTS" FROM REMARKS.
REMOVED STAR SHELBYVILLE FOR K62, I69, KLUK AND KHAO AIRPORTS FROM FIX USE.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** SILVIA YOUNG

APPROVED BY: **DATE:** 05/16/2024 **OFFICE:** AJV-A432 **NAME:** CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: ELANR **STATE:** IL **COUNTRY:** US **ICAO REGION CODE:** K5
LATITUDE/LONGITUDE: 411206.00N/0873200.00W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

| FIX USE: | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|-----------------|--------------------------------------|------------|------------|----------------------|--------------------------------------|--------------|
| USE TYPE | | | | | | |
| DP | ELANR (RNAV) | | | KARR | CHICAGO/AURORA | IL (US) |
| DP | MONKZ (RNAV) | | | KPWK | CHICAGO/PROSPECT HEIGHTS/WHEELING | IL (US) |
| DP | ELANR (RNAV) | | | KLOT | CHICAGO/ROMEDEVILLE | IL (US) |
| DP | MONKZ (RNAV) | | | KUGN | CHICAGO/WAUKEGAN | IL (US) |
| DP | ELANR (RNAV) | | | KDPA | CHICAGO/WEST CHICAGO | IL (US) |
| DP | ELANR (RNAV) | | | KGYG | GARY | IN (US) |
| EN ROUTE | PITCH/CATCH FROM CHICAGO AIRSPACE | | | | | (US) |
| STAR | JAKKS (RNAV) | | | KIND | INDIANAPOLIS | IN (US) |
| STAR | CEGRM (RNAV) | | | KCVG | COVINGTON | KY (US) |

REQUIRED CHARTING: DP, STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 03/05/2015

REASON FOR REVISION:
ADD FIX USE.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
DEVELOPED BY: **DATE:** 08/26/2014 **OFFICE:** AJV-353 **NAME:** THOMAS KIRKPATRICK
APPROVED BY: **DATE:** 03/18/2015 **OFFICE:** AJV-353 **NAME:** GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZAU
ATC FACILITY:
OTHER: ZID

RADIO FIX AND HOLDING DATA RECORD

NAME: FATOX

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 404804.34N/0871145.47W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | FAC FEET | MRA | MAA |
|-----|------------|-------|--------|-------|---------|----------|-------|------------------|----------|-------|-------|
| 1 | BOILER | BVT | VORTAC | H | 337.57 | 338.57 | 15.79 | 15.79 | | 18000 | 45000 |
| 2 | FORT WAYNE | FWA | VORTAC | H | 270.00 | 264.00 | | 91.99 | | 18000 | 45000 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

BOILER (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|--------------|------|-----|---------------|------------|---------|
| EN ROUTE | J89 | 1, 2 | | | | (US) |
| STAR | CEGRM (RNAV) | | | KCVG | COVINGTON | KY (US) |
| STAR | SHELBYVILLE | 1, 2 | | KCVG | COVINGTON | KY (US) |
| STAR | SHELBYVILLE | 1, 2 | | K62 | FALMOUTH | KY (US) |
| STAR | SHELBYVILLE | 1, 2 | | I69 | BATAVIA | OH (US) |
| STAR | SHELBYVILLE | 1, 2 | | KLUK | CINCINNATI | OH (US) |
| STAR | SHELBYVILLE | 1, 2 | | KHAO | HAMILTON | OH (US) |

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 04/27/2017

REASON FOR REVISION:

1. CHANGED FAC 1 MAG AND TRUE BRG FROM 337.54/338.54 TO 337.57/338.57.
2. CHANGED FAC 2 MAG AND TRUE BRG FROM 264.00/264.00 TO 270.00/264.00.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 12/20/2016

OFFICE: AJV-5421

NAME: JAMES ROGERS

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZAU
ATC FACILITY: CVG APP CON
OTHER: ZID

RADIO FIX AND HOLDING DATA RECORD

NAME: MACES **STATE:** IN **COUNTRY:** US **ICAO REGION CODE:** K5
LATITUDE/LONGITUDE: 400013.25N/0864322.62W **TYPE:** WP, DME
AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | FAC FEET | MRA | MAA |
|-----|-----------|-------|--------|-------|---------|----------|-------|------------------|----------|-------|-------|
| 1 | BOILER | BVT | VORTAC | H | 153.24 | 154.24 | 36.75 | 36.75 | | 10000 | 45000 |
| 2 | BRICKYARD | VHP | VORTAC | H | 303.73 | 304.73 | 19.94 | 19.94 | | 10000 | 45000 |

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
BOILER (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|--------------|------|-----|---------------|------------|---------|
| DP | LOVEY (RNAV) | | | KCVG | COVINGTON | KY (US) |
| DP | WHITEWATER | 1, 2 | | KCVG | COVINGTON | KY (US) |
| EN ROUTE | J89 | 1 | | | | (US) |
| STAR | LUCIT (RNAV) | | | KIGQ | CHICAGO | IL (US) |
| STAR | LUCIT (RNAV) | | | KGYG | GARY | IN (US) |
| STAR | LUCIT (RNAV) | | | 05C | GRIFFITH | IN (US) |
| STAR | LUCIT (RNAV) | | | 3HO | HOBART | IN (US) |
| STAR | CEGRM (RNAV) | | | KCVG | COVINGTON | KY (US) |
| STAR | SHELBYVILLE | 1 | | KCVG | COVINGTON | KY (US) |
| STAR | SHELBYVILLE | 1 | | K62 | FALMOUTH | KY (US) |
| STAR | SHELBYVILLE | 1 | | I69 | BATAVIA | OH (US) |
| STAR | SHELBYVILLE | 1 | | KLUK | CINCINNATI | OH (US) |
| STAR | SHELBYVILLE | 1 | | KHAO | HAMILTON | OH (US) |

REQUIRED CHARTING: DP, STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 07/21/2016

REASON FOR REVISION:
FIX MAKE-UP: UPDATED FAC 1 DIST FROM FAC NM FROM 36.70.
FIX USE: ADDED LUCIT (RNAV) STAR.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
DEVELOPED BY: **DATE:** 03/23/2016 **OFFICE:** AJV-5442 **NAME:** JEFF ANDERSON (JACOB MAXFIELD)
APPROVED BY: **DATE:** 05/24/2016 **OFFICE:** AJV-5420 **NAME:** TONY LAWSON
SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: CVG APP CON
OTHER: ZAU

RADIO FIX AND HOLDING DATA RECORD

NAME: TORIO **STATE:** IN **COUNTRY:** US **ICAO REGION CODE:** K5
LATITUDE/LONGITUDE: 401456.71N/0865233.73W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM FEET | MRA | MAA |
|-----|------------|-------|--------|-------|---------|----------|-------|--------------------------|-------|-------|
| 1 | BOILER | BVT | VORTAC | H | 153.24 | 154.24 | 20.43 | 20.43 | 18000 | 45000 |
| 2 | FORT WAYNE | FWA | VORTAC | H | 246.98 | 240.98 | 88.68 | 88.68 | 18000 | 45000 |

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:

BOILER (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|--------------|------|-----|---------------|------------|---------|
| EN ROUTE | J89 | 1, 2 | | | | (US) |
| STAR | CEGRM (RNAV) | | | KCVG | COVINGTON | KY (US) |
| STAR | SHELBYVILLE | 1, 2 | | KCVG | COVINGTON | KY (US) |
| STAR | SHELBYVILLE | 1, 2 | | K62 | FALMOUTH | KY (US) |
| STAR | SHELBYVILLE | 1, 2 | | I69 | BATAVIA | OH (US) |
| STAR | SHELBYVILLE | 1, 2 | | KLUK | CINCINNATI | OH (US) |
| STAR | SHELBYVILLE | 1, 2 | | KHAO | HAMILTON | OH (US) |

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 04/27/2017

REASON FOR REVISION:

1. CHANGED FAC 2 MAG BRG FROM 240.98 TO 246.98.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
DEVELOPED BY: **DATE:** 12/20/2016 **OFFICE:** AJV-5421 **NAME:** JAMES ROGERS
APPROVED BY: **DATE:** **OFFICE:** AJV-5420 **NAME:** JULIE MORGAN

SIGNATURE:

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZAU
ATC FACILITY: CVG APP CON
OTHER: ZID