

RADIO FIX AND HOLDING DATA RECORD

NAME: ANCRR

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390152.15N/0764343.60W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP
STAR
STAR

USE TITLE
RNAV (RNP) Z RWY 10
MIIDY (RNAV)
RAVNN (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI
KBWI
KBWI

CITY
BALTIMORE
BALTIMORE
BALTIMORE

STATE
MD (US)
MD (US)
MD (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. FIX USE: REMOVED "STAR MIIDY (RNAV) KMTN", "STAR RAVNN (RNAV) KMTN", AND "STAR RAVNN (RNAV) KDMW".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by
ALLAN WILL
Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BILIT

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 384515.82N/0760357.59W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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 | E | | WP | 095.00 | 275.00 | L | 4 | 4000 12000 | 7 8 |
| 2 | E | | WP | 095.00 | 275.00 | L | 4 | 8000 10000 | 7 8 |
| 3 | E | | WP | 097.00 | 277.00 | L | 4 | 11000 14000 | 8 9 |

CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1 | 210 | TOWER (24-001025) | 384433.70N/0760358.00W | 389 | 5D |
| 2 | 210 | TOWER (24-000264) | 383947.94N/0755007.81W | 546 | 1A |
| 3 | 210 | TOWER (24-000264) | 383947.94N/0755007.81W | 546 | 1A |

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 2 ATC REQUEST
PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:

PAT 1 CHART 210K ICON
PAT 2 CHART 210K ICON
PAT 3 CHART 210K ICON

REMARKS:

CHART ON SECTIONAL - ATC REQUEST.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ATC REQUESTS SAME MAGNETIC COURSE FOR PATS 1-3. EACH PATTERN IS BASED ON A DIFFERENT MAG VAR.
ALL STAR PROCEDURES ARE RADAR REQUIRED TO ENSURE AIRCRAFT DON'T STRAY INTO R-4006.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|--------------|-----|-----|---------------|--------------|---------|
| EN ROUTE | T320 | | | | | (US) |
| STAR | DEALE (RNAV) | | 3 | KDCA | WASHINGTON | DC (US) |
| STAR | MIIDY (RNAV) | | 2 | KBWI | BALTIMORE | MD (US) |
| STAR | MIIDY (RNAV) | | 2 | KMTN | BALTIMORE | MD (US) |
| STAR | SPISY (RNAV) | | 1 | KADW | CAMP SPRINGS | MD (US) |

REQUIRED CHARTING: SECTIONAL, STAR, MILITARY STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. DOCKET: REMOVED "21-ANE-6"
2. CHARTING: ADDED "EN ROUTE HIGH" AND "CONTROLLER HIGH"
3. FIX USE: REMOVED "IAP RNAV (RNP) Z RWY 28" AT KBWI.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BMTTR

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390452.21N/0763042.59W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
MIIDY (RNAV)
RAVNN (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI
KBWI

CITY
BALTIMORE
BALTIMORE

STATE
MD (US)
MD (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/05/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CHOPS

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 384541.81N/0755736.18W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

CHART ON SECTIONAL AND EN ROUTE LOW - ATC REQUEST.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|-------------------|-----|-----|---------------|-----------|---------|
| EN ROUTE | T224 | | | | | (US) |
| EN ROUTE | T315 | | | | | (US) |
| EN ROUTE | T320 | | | | | (US) |
| IAP | RNAV (GPS) RWY 12 | | | KRJD | RIDGELY | MD (US) |
| IAP | RNAV (GPS) RWY 30 | | | KRJD | RIDGELY | MD (US) |
| IAP | RNAV (GPS) RWY 14 | | | KSBY | SALISBURY | MD (US) |
| STAR | MIIDY (RNAV) | | | KBWI | BALTIMORE | MD (US) |
| STAR | MIIDY (RNAV) | | | KMTN | BALTIMORE | MD (US) |

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. DOCKET: REMOVED "21-ANE-5"
2. CHARTING: ADDED "EN ROUTE HIGH" TO "CONTROLLER HIGH"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DAAXX

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 392009.94N/0763109.03W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
MIIDY (RNAV)
RAVNN (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI
KBWI

CITY
BALTIMORE
BALTIMORE

STATE
MD (US)
MD (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/05/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DADLE

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 392327.88N/0764243.50W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
MIIDY (RNAV)
RAVNN (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI
KBWI

CITY
BALTIMORE
BALTIMORE

STATE
MD (US)
MD (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/05/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DRZZT

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391044.40N/0762310.52W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
MIIDY (RNAV)
RAVNN (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI
KBWI

CITY
BALTIMORE
BALTIMORE

STATE
MD (US)
MD (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/05/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FHRST

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390437.80N/0762652.18W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
MIIDY (RNAV)
RAVNN (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI
KBWI

CITY
BALTIMORE
BALTIMORE

STATE
MD (US)
MD (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/05/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HUNNN

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390523.10N/0765254.35W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
MIIDY (RNAV)
RAVNN (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI
KBWI

CITY
BALTIMORE
BALTIMORE

STATE
MD (US)
MD (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. FIX USE: REMOVED "STAR MIIDY (RNAV) KMTN", "STAR RAVNN (RNAV) KMTN", "STAR RAVNN (RNAV) KDMW"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HUTOO

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390602.02N/0765520.17W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
MIIDY (RNAV)
RAVNN (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI
KBWI

CITY
BALTIMORE
BALTIMORE

STATE
MD (US)
MD (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/05/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JANNS

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 385932.32N/0763013.23W

TYPE: WP, RADAR, 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 | BALTIMORE | I-RUX | LOC | | 155.21 | 144.21 | | 14.36 | | 4000 | 4600 |
| 2 | BALTIMORE | BAL | VORTAC | L | 156.46 | 145.46 | 13.00 | 13.00 | | 2500 | 17500 |

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

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 | SE | | WP | 155.31 | 335.31 | L | | 4 | 2500 | 6000 | 5 | 6 |
| 2 | SE | BAL | VORTAC | 156.46 | 336.46 | L | 1 | | 2500 | 6000 | 4 | 5 |

CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1 | 200 | TOWER (24-000913) | 390036.77N/0763631.88W | 1049 | 1A |
| 2 | 200 | TOWER (24-000540) | 385848.84N/0763359.42W | 704 | 1A |

REASON FOR NONSTANDARD HOLDING:

PAT 1 REDUCE IMPACT ON HOLDING AT BOAST INT.
PAT 2 REDUCE IMPACT ON HOLDING AT BOAST INT.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

BALTIMORE (FAC 1) AND BALTIMORE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|-------------------------|------|-----|---------------|-----------|---------|
| IAP | ILS OR LOC RWY 15R | 1, 2 | 2 | KBWI | BALTIMORE | MD (US) |
| IAP | ILS OR LOC RWY 33L | 1, 2 | | KBWI | BALTIMORE | MD (US) |
| IAP | ILS RWY 33L (SA CAT I) | 1, 2 | | KBWI | BALTIMORE | MD (US) |
| IAP | ILS RWY 33L (SA CAT II) | 1, 2 | | KBWI | BALTIMORE | MD (US) |
| IAP | RNAV (GPS) Y RWY 15R | | 1 | KBWI | BALTIMORE | MD (US) |
| IAP | RNAV (GPS) Y RWY 33L | | | KBWI | BALTIMORE | MD (US) |
| IAP | RNAV (RNP) Z RWY 15R | | 1 | KBWI | BALTIMORE | MD (US) |
| IAP | RNAV (RNP) Z RWY 33L | | | KBWI | BALTIMORE | MD (US) |
| STAR | MIIDY (RNAV) | | | KBWI | BALTIMORE | MD (US) |

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. FIX MAKE-UP: UPDATED FAC 1 I-RUX MAG/TRUE BRG FROM "155.22/144.22" TO "155.21/144.21" AND DIST FROM FAC FROM "14.32" TO "14.36"; ADDED FAC 2 MAG/TRUE BRG "156.46/145.46" AND UPDATED MRA/MAA FROM "4000/4600" TO "2500/17500"
2. FIX USE: SEPERATED "IAP ILS RWY 33L (SA CAT I & II) 1, 2 KBWI" INTO "(CAT I) AND (CAT II)"; REMOVED "STAR MIIDY (RNAV) KMTN"; ADDED "IAP ILS OR LOC RWY 15R KBWI"
3. PATTERNS: ADDED PAT 2, PAT 2 OBSTACLE, AND REASON FOR NON-STANDARD HOLDING.
4. FIX USE: CHANGED IAP ILS OR LOC RWY 15R PAT "1" TO "2".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: JUGMO

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391031.78N/0761320.04W

TYPE: WP, RADAR, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | MRA | MAA |
|-----|--------------|-------|---------|-------|---------|----------|-------|------------------|------|------|
| 1 | MARTIN STATE | I-MTN | LOC/DME | | 146.18 | 135.18 | 12.28 | 13.51 | 2000 | 4500 |
| 2 | BALTIMORE | BAL | VORTAC | L | 100.12 | 089.12 | | 20.49 | 2000 | 4500 |
| 3 | SMYRNA | ENO | VORTAC | L | 273.39 | 264.39 | | 33.11 | 2000 | 4500 |

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 | SE | I-MTN | LOC/DME | 146.18 | 326.18 | L | 1 | | 2000 | 4500 | 4 | 6 |
| 2 | SE | | WP | 146.30 | 326.30 | L | | 4 | 2000 | 6000 | 4 | 6 |

CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1 | 200 | TOWER (24-000062) | 391239.58N/0761034.15W | 426 | 1A |
| 2 | 200 | TOWER (24-000062) | 391239.58N/0761034.15W | 426 | 1A |

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST.

PAT 2 ATC REQUEST

REMARKS:

MARTIN STATE (FAC 1) AND BALTIMORE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-4001B.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|-------------------|---------|-----|---------------|-----------|---------|
| IAP | ILS OR LOC RWY 33 | 1, 2, 3 | 1 | KMTN | BALTIMORE | MD (US) |
| IAP | RNAV (GPS) RWY 33 | | 2 | KMTN | BALTIMORE | MD (US) |
| STAR | MIIDY (RNAV) | | | KMTN | BALTIMORE | MD (US) |

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. FIX USE: REMOVED "STAR MIIDY (RNAV) KBWI"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KAPTN

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 385541.79N/0762951.72W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
MIIDY (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI

CITY
BALTIMORE

STATE
MD (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. FIX USE: REMOVED "STAR MIIDY (RNAV) KMTN"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LAFLN

STATE: DE

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 384727.40N/0753047.72W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | MRA | MAA |
|-----|----------|-------|---------|-------|---------|----------|-------|------------------|------|-------|
| 1 | SMYRNA | ENO | VORTAC | L | 188.72 | 179.72 | 26.42 | 26.42 | 1800 | 17500 |
| 2 | WATERLOO | ATR | VOR/DME | L | 274.53 | 265.53 | 14.21 | 14.21 | 1800 | 17500 |

FIX RESTRICTIONS:

MCA V29 7000 SOUTHBOUND

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 | W | ATR | VOR/DME | 274.53 | 094.53 | L | 1 | 3000 7000 | 4 9 |

CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1 | 200 | TOWER (10-000110) | 384346.63N/0753252.17W | 462 | 1A |

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

SMYRNA (FAC 1) AND WATERLOO (FAC 2) USED TO ESTABLISH FIX COORDINATES.
CHART HOLDING PAT 1 ON ENROUTE / CONTROLLER LOW CHARTS - ATC REQUEST.
SECTIONAL CHARTING PER ATC REQUEST.
PRECIPITOUS TERRAIN EVALUATION COMPLETE.
PATTERN 1 WAS REQUESTED WITH LEFT TURNS BY DOVER AFB ATC.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|-------------------|------|-----|---------------|--------------|---------|
| EN ROUTE | T335 | | | | | (US) |
| EN ROUTE | V29 | 1, 2 | 1 | | | (US) |
| IAP | RNAV (GPS) RWY 1 | | | KDOV | DOVER | DE (US) |
| IAP | RNAV (GPS) RWY 32 | | | KDOV | DOVER | DE (US) |
| IAP | RNAV (GPS) RWY 30 | | | KRJD | RIDGELY | MD (US) |
| STAR | DEALE (RNAV) | | | KDCA | WASHINGTON | DC (US) |
| STAR | SMYRNA | 1, 2 | | KDOV | DOVER | DE (US) |
| STAR | MIIDY (RNAV) | | | KBWI | BALTIMORE | MD (US) |
| STAR | MIIDY (RNAV) | | | KMTN | BALTIMORE | MD (US) |
| STAR | SPISY (RNAV) | | | KADW | CAMP SPRINGS | MD (US) |

REQUIRED CHARTING: SECTIONAL, STAR, MILITARY STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

- DOCKET: REMOVED "23-AEA-10"
- CHARTING: ADDED "EN ROUTE HIGH" AND "CONTROLLER HIGH"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LURRL

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390428.63N/0764930.23W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
MIIDY (RNAV)
RAVNN (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI
KBWI

CITY
BALTIMORE
BALTIMORE

STATE
MD (US)
MD (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. LATITUDE/LONGITUDE: RELOCATED 732 FT SE.

2. FIX USE: REMOVED ""STAR MIIDY (RNAV) KMTN", "STAR RAVNN (RNAV) KMTN", "STAR RAVNN (RNAV) KDMW""

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MIIDY

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 385209.40N/0761748.46W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
MIIDY (RNAV)
MIIDY (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI
KMTN

CITY
BALTIMORE
BALTIMORE

STATE
MD (US)
MD (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. CHARTING: ADDED "EN ROUTE LOW" AND "CONTROLLER LOW"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NAVEY

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 385810.99N/0763529.26W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
MIIDY (RNAV)
RAVNN (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI
KBWI

CITY
BALTIMORE
BALTIMORE

STATE
MD (US)
MD (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. FIX USE: REMOVED "STAR MIIDY (RNAV) KMTN", "STAR RAVNN (RNAV) KMTN", "STAR RAVNN (RNAV) KDMW"

07/05/2024: THIS A CORRECTED COPY OF THE FORM APPROVED ON 05/06/2024.

1. REQUIRED CHARTING, ADDED "EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RYJON

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 392531.57N/0764443.81W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

STAR

STAR

STAR

USE TITLE

MIIDY (RNAV)

RAVNN (RNAV)

TRISH (RNAV)

FAC

PAT

AIRPORT IDENT

KBWI

KBWI

KBWI

CITY

BALTIMORE

BALTIMORE

BALTIMORE

STATE

MD (US)

MD (US)

MD (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/05/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SNUGI

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 385656.88N/0762632.18W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
MIIDY (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI

CITY
BALTIMORE

STATE
MD (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. FIX USE: REMOVED "STAR MIIDY KMTN"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TOGAH

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390001.29N/0763139.42W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

IAP

STAR

STAR

USE TITLE

RNAV (RNP) Z RWY 28

MIIDY (RNAV)

RAVNN (RNAV)

FAC

PAT

AIRPORT IDENT

KBWI

KBWI

KBWI

CITY

BALTIMORE

BALTIMORE

BALTIMORE

STATE

MD (US)

MD (US)

MD (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/05/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TROTZ

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390643.57N/0761846.43W

TYPE: WP, RADAR

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
DP

USE TITLE
CANNY

FAC

PAT

AIRPORT IDENT
KDOV

CITY
DOVER

STATE
DE (US)

REQUIRED CHARTING: MILITARY DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. FIX USE: REMOVED "STAR MIIDY" AT KBWI AND KMTN.
2. CHARTING: REMOVED "STAR".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TRUTH

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 384636.08N/0760638.37W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
MIIDY (RNAV)
MIIDY (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI
KMTN

CITY
BALTIMORE
BALTIMORE

STATE
MD (US)
MD (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. CHARTING: ADDED "EN ROUTE HIGH", "EN ROUTE LOW", "CONTROLLER HIGH", AND "CONTROLLER LOW"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZARTZ

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391646.19N/0765457.24W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|----------------------|-----|-----|---------------|-----------|---------|
| IAP | ILS OR LOC RWY 15R | | | KBWI | BALTIMORE | MD (US) |
| IAP | RNAV (GPS) Y RWY 15R | | | KBWI | BALTIMORE | MD (US) |
| IAP | RNAV (RNP) Z RWY 15R | | | KBWI | BALTIMORE | MD (US) |
| STAR | MIIDY (RNAV) | | | KBWI | BALTIMORE | MD (US) |

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/05/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZOEYY

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391826.57N/0765622.11W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
MIIDY (RNAV)
RAVNN (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI
KBWI

CITY
BALTIMORE
BALTIMORE

STATE
MD (US)
MD (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/05/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 08, 2024

QUALITY
14
CHECKED