

RADIO FIX AND HOLDING DATA RECORD

NAME: CINDI

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391447.94N/0761846.17W

TYPE: WP, RADAR, 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 | MARTIN STATE | I-MTN | LOC/DME | | 146.18 | 135.18 | 6.28 | 7.51 45613 | 2000 | 4500 |
| 2 | BALTIMORE | BAL | VORTAC | L | 085.31 | 074.31 | | 16.87 | 2000 | 4500 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

MARTIN STATE (FAC 1) AND BALTIMORE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR CLEARANCE THROUGH R-4001A/B.

FIX USE:

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

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

FIX LAT/LONG CHANGED FROM 391452.20N/0761851.60W TO 391447.94N/0761846.17W - FIX MOVED 608 FEET SOUTHEAST
FAC 1 DME CHANGED FROM 6.18 TO 6.28, DISTANCE FROM FAC CHANGED FROM 6.18 NM TO 7.51 NM AND FEET CHANGED FROM 37533 TO 45613
FAC 2 MAG/TRUE BRG CHANGED FROM 085.01/074.01 TO 085.31/074.31 AND DISTANCE FROM FAC CHANGED FROM 16.82 TO 16.87
REMOVED RNP CRITERIA APPLIED FROM REMARKS
DELETED I-MTN DME COORDINATES FROM REMARKS
REMOVED KMTN LDA RWY 33 FROM FIX USE
ADDED KMTN ILS OR LOC RWY 33 TO FIX USE
ADDED MARTIN STATE (FAC 1) AND BALTIMORE (FAC 2) USED TO ESTABLISH FIX COORDINATES TO REMARKS

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: TIMOTHY JOHNSON

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

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:** MODIFY

FIX MAKE-UP FACILITIES:

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | FEET | 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:** 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 | 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) | | | KBWI | BALTIMORE | MD (US) |
| STAR | MIIDY (RNAV) | | | KMTN | BALTIMORE | MD (US) |

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 02/23/2023

REASON FOR REVISION:

REPLACED FIX MAKEUP FACILITY I-BQG WITH I-MTN.
REMOVED HOLDING PATTERN BASED ON I-BQG AND REPLACED WITH PATTERN BASED ON I-MTN.
UPDATED FIX USE - REMOVED KMTN LDA RWY 33, ADDED KMTN ILS OR LOC RWY 33.
ADDED FAC 3 TO FIX MAKEUP FACILITIES.
CHANGED FAC 1 DIST FROM FAC TO 13.51
CHANGED PAT 2 MAX ALTITUDE TO 6000

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** TIMOTHY JOHNSON

APPROVED BY: **DATE:** 02/23/2023 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: SMYRNA VORTAC

STATE: DE

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391353.93N/0753057.49W

TYPE:

AIRSPACE DOCKET: 21-AEA-22

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 | SMYRNA | ENO | VORTAC | L | | | | | | | 45000 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG TIME | LENGTH DME | HOLDING ALTITUDES MIN | MAX | TEMPLATES MIN | MAX |
|-----|-----|-------|--------|-------------|-------------|---------------|----------|------------|-----------------------|-------|---------------|-----|
| 1 | W | ENO | VORTAC | 250.66 | 070.66 | L | 1 | | 1600 | 6000 | 5 | 7 |
| 2 | E | ENO | VORTAC | 088.40 | 268.40 | R | 1 | | 1500 | 6000 | 5 | 7 |
| 3 | W | | WP | 254.94 | 074.94 | L | | 10 | 24000 | 45000 | 20 | 30 |

CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1 | 230 | TOWER (10-000007) | 391202.00N/0753352.00W | 433 | 4D |
| 2 | 230 | TOWER (10-000007) | 391202.00N/0753352.00W | 433 | 4D |

REASON FOR NONSTANDARD HOLDING:

PAT 1 SEPARATION WITH DOVER AFB TRAFFIC
PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 FOR ATC USE.
FACILITY MAGVAR: 9W/1965.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|---------------------|-----|-----|---------------|----------------|---------|
| DP | CAPITAL | | | KIAD | WASHINGTON | DC (US) |
| DP | PALEO | | | KBWI | BALTIMORE | MD (US) |
| DP | SWANN | | | KBWI | BALTIMORE | MD (US) |
| DP | ATLANTIC CITY | | | KACY | ATLANTIC CITY | NJ (US) |
| DP | LEEAH | | | KMIV | MILLVILLE | NJ (US) |
| DP | PHILADELPHIA | | | KPHL | PHILADELPHIA | PA (US) |
| EN ROUTE | Q127 | | 3 | | | (US) |
| EN ROUTE | T224 | | | | | (US) |
| EN ROUTE | T358 | | | | | (US) |
| EN ROUTE | T416 | | | | | (US) |
| EN ROUTE | V157 | | | | | (US) |
| EN ROUTE | V16 | | | | | (US) |
| EN ROUTE | V213 | | | | | (US) |
| EN ROUTE | V268 | | | | | (US) |
| EN ROUTE | V29 | | | | | (US) |
| EN ROUTE | V379 | | | | | (US) |
| IAP | ILS OR LOC RWY 1 | | | KDOV | DOVER | DE (US) |
| IAP | ILS RWY 1 (CAT II) | | | KDOV | DOVER | DE (US) |
| IAP | TACAN RWY 1 | | | KDOV | DOVER | DE (US) |
| IAP | RNAV (GPS) RWY 9 | | | 33N | DOVER/CHESWOLD | DE (US) |
| IAP | VOR RWY 27 | | 2 | 33N | DOVER/CHESWOLD | DE (US) |
| IAP | NDB-A | | | KEVY | MIDDLETOWN | DE (US) |
| IAP | RNAV (GPS) Y RWY 35 | | | KEVY | MIDDLETOWN | DE (US) |
| IAP | RNAV (GPS) Z RWY 35 | | | KEVY | MIDDLETOWN | DE (US) |
| IAP | VOR 9 | | | KILG | WILMINGTON | DE (US) |
| IAP | VOR RWY 27 | | | KILG | WILMINGTON | DE (US) |
| IAP | ILS RWY 33 | | | KMTN | BALTIMORE | MD (US) |
| IAP | RNAV (GPS) RWY 33 | | | KMTN | BALTIMORE | MD (US) |
| IAP | ILS OR LOC RWY 4 | | | KESN | EASTON | MD (US) |
| IAP | RNAV (GPS)-B | | | 58M | ELKTON | MD (US) |
| IAP | VOR/DME-A | | | 58M | ELKTON | MD (US) |
| IAP | ILS OR LOC RWY 10 | | | KMIV | MILLVILLE | NJ (US) |
| IAP | RNAV (GPS) RWY 10 | | | KMIV | MILLVILLE | NJ (US) |
| IAP | RNAV (GPS) RWY 32 | | | KMIV | MILLVILLE | NJ (US) |
| IAP | RNAV (GPS) RWY 19 | | | KWWD | WILDWOOD | NJ (US) |
| STAR | ARLFT (RNAV) | | | KDOV | DOVER | DE (US) |
| STAR | SMYRNA | | | KDOV | DOVER | DE (US) |
| STAR | ARLFT (RNAV) | | | 33N | DOVER/CHESWOLD | DE (US) |
| STAR | ARLFT (RNAV) | | | KILG | WILMINGTON | DE (US) |
| STAR | KORRY | | | KLGA | NEW YORK | NY (US) |

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 30

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET CHANGED FROM 21-AEA-16 TO 21-AEA-22

FIX USE ADDED T224 AND ILS RWY 33 @ KMTN AND REMOVED LDA RWY 33 @ KMTN

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: