

# RADIO FIX AND HOLDING DATA RECORD

NAME: BELTT

STATE: NY

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 410348.61N/0725913.52W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 24-AEA-12

FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

| FAC | NAME       | IDENT | TYPE    | CLASS | MAG<br>BRG | TRUE<br>BRG | DME   | DIST FROM FAC<br>NM FEET | MRA  | MAA   |
|-----|------------|-------|---------|-------|------------|-------------|-------|--------------------------|------|-------|
| 1   | BRIDGEPORT | BDR   | VOR/DME | L     | 145.04     | 133.04      | 8.53  | 8.53                     | 2000 | 17500 |
| 2   | DEER PARK  | DPK   | VOR/DME | L     | 053.36     | 041.36      | 21.74 | 21.74                    | 1600 | 17500 |
| 3   | CALVERTON  | CCC   | VOR/DME | L     | 326.25     | 313.25      | 11.73 | 11.73                    | 2000 | 17500 |
| 4   | MADISON    | MAD   | VOR/DME | L     | 234.76     | 221.76      | 20.10 | 20.10                    | 2000 | 17500 |

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

DEER PARK (FAC 2) AND CALVERTON (FAC 3) USED TO ESTABLISH FIX COORDINATES.  
SECTIONAL CHARTING PER ATC REQUEST.

**INFORMATION ONLY**

## FIX USE:

| USE TYPE | USE TITLE    | FAC        | PAT | AIRPORT IDENT | CITY                  | STATE   |
|----------|--------------|------------|-----|---------------|-----------------------|---------|
| EN ROUTE | T303         |            |     |               |                       | (US)    |
| EN ROUTE | T461         |            |     |               |                       | (US)    |
| EN ROUTE | T705         |            |     |               |                       | (US)    |
| EN ROUTE | V1           | 1, 2       |     |               |                       | (US)    |
| EN ROUTE | V44          | 1, 2       |     |               |                       | (US)    |
| EN ROUTE | V91          | 1, 2       |     |               |                       | (US)    |
| STAR     | DEER PARK    | 1, 2, 3, 4 |     | KBDL          | WINDSOR LOCKS         | CT (US) |
| STAR     | DREEM (RNAV) |            |     | KBED          | BEDFORD               | MA (US) |
| STAR     | DREEM (RNAV) |            |     | KBVY          | BEVERLY               | MA (US) |
| STAR     | DREEM (RNAV) |            |     | KLWM          | LAWRENCE              | MA (US) |
| STAR     | DEER PARK    | 1, 2, 3, 4 |     | KCEF          | SPRINGFIELD/CHICOPEE  | MA (US) |
| STAR     | DEER PARK    | 1, 2, 3, 4 |     | KBAF          | WESTFIELD/SPRINGFIELD | MA (US) |
| STAR     | PAWLN (RNAV) |            |     | KFRG          | FARMINGDALE           | NY (US) |
| STAR     | PAWLN (RNAV) |            |     | KJFK          | NEW YORK              | NY (US) |

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 11/27/2025

## REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 24-AEA-12.
2. ADDED "CALVERTON (FAC 3)" TO FACILITIES USED TO ESTABLISH FIX COORDINATES REMARK.
3. ADDED EN ROUTE T461 IN FIX USE.
4. ADDED STAR DREEM (RNAV) AT KBED, KBVY AND KLWM IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A421

NAME: CASEY HILL

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: BLATT

STATE: CT

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 414937.10N/0720054.94W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-18

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   | NORWICH    | ORW   | VOR/DME | L     | 011.48  | 357.48   | 16.24 | 16.24            | 3000 | 17500 |
| 2   | PROVIDENCE | PVD   | VOR/DME | H     | 297.37  | 283.37   | 27.00 | 27.00            | 3000 | 17500 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**REMARKS:**

NORWICH (FAC 1) AND PROVIDENCE (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
CHART ON SECTIONAL - ATC REQUEST.

**INFORMATION ONLY**

**FIX USE:**

| USE TYPE | USE TITLE    | FAC  | PAT | AIRPORT IDENT | CITY      | STATE   |
|----------|--------------|------|-----|---------------|-----------|---------|
| EN ROUTE | T255         |      |     |               |           | (US)    |
| EN ROUTE | T320         |      |     |               |           | (US)    |
| STAR     | DREEM (RNAV) |      |     | KBED          | BEDFORD   | MA (US) |
| STAR     | GRAYM        | 1, 2 |     | KBED          | BEDFORD   | MA (US) |
| STAR     | DREEM (RNAV) |      |     | KBVY          | BEVERLY   | MA (US) |
| STAR     | GRAYM        | 1, 2 |     | KBVY          | BEVERLY   | MA (US) |
| STAR     | GRAYM        | 1, 2 |     | KFIT          | FITCHBURG | MA (US) |
| STAR     | DREEM (RNAV) |      |     | KLWM          | LAWRENCE  | MA (US) |
| STAR     | GRAYM        | 1, 2 |     | KLWM          | LAWRENCE  | MA (US) |

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 02/23/2023

**REASON FOR REVISION:**

1. DELETED T608 FROM FIX USE.
2. ADDED T320 TO FIX USE
3. ADDED DREEM (RNAV) STAR AT BVY AND LWM TO FIX USE
4. ADDED GRAYM STAR AT BVY, LWM AND FIT TO FIX USE
5. ADDED DOCKET 21-AEA-21

10/05/22: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/19/22..

1. CHANGED DOCKET FROM 12-AEA-21 TO 21-AEA-18.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A430

NAME: LIAM DONAHUE

APPROVED BY:

DATE: 11/03/2022

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: DEER PARK VOR/DME

STATE: NY

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 404730.36N/0731813.24W

TYPE:

AIRSPACE DOCKET: 24-AEA-12

FIX TYPE OF ACTION: NO CHANGE

**INFORMATION ONLY**

**FIX MAKE-UP FACILITIES:**

| FAC | NAME      | IDENT | TYPE    | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC<br>NM FEET | MRA | MAA   |
|-----|-----------|-------|---------|-------|---------|----------|-----|--------------------------|-----|-------|
| 1   | DEER PARK | DPK   | VOR/DME | L     |         |          |     |                          |     | 45000 |

**HOLDING:**

HOLDING TYPE OF ACTION: NO CHANGE

**PATTERNS:**

| PAT | DIR | IDENT | TYPE    | RAD/CRS/BRG | CRS<br>INBOUND | TURN<br>(L OR R) | LEG LENGTH<br>TIME DME | HOLDING ALTITUDES<br>MIN MAX | TEMPLATES<br>MIN MAX |
|-----|-----|-------|---------|-------------|----------------|------------------|------------------------|------------------------------|----------------------|
| 1   | N   | DPK   | VOR/DME | 020.00      | 200.00         | L                | 1                      | 3000 6000                    | 4 5                  |
| 2   | E   | DPK   | VOR/DME | 078.09      | 258.09         | L                | 1                      | 3000 6000                    | 4 5                  |
| 3   | E   |       | WP      | 079.00      | 259.00         | L                |                        | 4000 6000                    | 5 6                  |
| 4   | SW  | DPK   | VOR/DME | 207.39      | 027.39         | R                | 1 1/2                  | 15000 17000                  | 15 16                |
| 5   | N   |       | WP      | 020.00      | 200.00         | R                |                        | 3000 6000                    | 5 6                  |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION       | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1   | 200      | TOWER (36-000350) | 404659.08N/0732201.78W | 561       | 1D            |
| 1   | 310      | STACK (36-001996) | 405526.07N/0732037.12W | 636       | 1D            |
| 2   | 200      | TOWER (36-000250) | 404855.35N/0731042.40W | 583       | 1D            |
| 3   | 200      | TOWER (36-000250) | 404855.35N/0731042.40W | 583       | 1D            |
| 4   | 265      | STACK (36-001996) | 405526.07N/0732037.12W | 636       | 1D            |
| 5   | 200      | STACK (36-001996) | 405526.07N/0732037.12W | 636       | 1D            |
| 5   | 310      | STACK (36-001996) | 405526.07N/0732037.12W | 636       | 1D            |

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 AIR TRAFFIC AIRSPACE  
PAT 2 AIR TRAFFIC AIRSPACE  
PAT 3 AIR TRAFFIC AIRSPACE

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

**PROCEDURES REQUIRING CLIMB-IN-HOLD:**

| PAT | PROCEDURE TITLE     | AIRPORT IDENT | CITY        | STATE   |
|-----|---------------------|---------------|-------------|---------|
| 1   | ILS OR LOC RWY 14   | KFRG          | FARMINGDALE | NY (US) |
| 5   | RNAV (GPS) Y RWY 14 | KFRG          | FARMINGDALE | NY (US) |

**REMARKS:**

SECTIONAL CHARTING PER ATC REQUEST.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAG VAR: W12/1975.  
HOLDING PAT 3 PER ATC REQUEST AND IS BASED ON KJFK MAG VAR.

**FIX USE:**

| USE TYPE | USE TITLE           | FAC | PAT | AIRPORT IDENT | CITY         | STATE   |
|----------|---------------------|-----|-----|---------------|--------------|---------|
| DP       | BRIDGEHAVEN         |     |     | KBDR          | BRIDGEPORT   | CT (US) |
| DP       | BRIDGEHAVEN         |     |     | KHVN          | NEW HAVEN    | CT (US) |
| DP       | MORRISTOWN          |     |     | KMMU          | MORRISTOWN   | NJ (US) |
| DP       | DEVIL               |     |     | KEWR          | NEWARK       | NJ (US) |
| DP       | LIBERTY             |     |     | KEWR          | NEWARK       | NJ (US) |
| DP       | NEWARK              |     |     | KEWR          | NEWARK       | NJ (US) |
| DP       | TETERBORO           |     |     | KTEB          | TETERBORO    | NJ (US) |
| DP       | LONG ISLAND         |     |     | KISP          | NEW YORK     | NY (US) |
| DP       | KENNEDY             |     |     | KJFK          | NEW YORK     | NY (US) |
| DP       | LA GUARDIA          |     |     | KLGA          | NEW YORK     | NY (US) |
| DP       | TNNIS (RNAV)        |     |     | KLGA          | NEW YORK     | NY (US) |
| DP       | PROP                |     |     | KHPN          | WHITE PLAINS | NY (US) |
| DP       | WESTCHESTER         |     |     | KHPN          | WHITE PLAINS | NY (US) |
| EN ROUTE | J95                 |     |     |               |              | (US)    |
| EN ROUTE | Q419                |     |     |               |              | (US)    |
| EN ROUTE | Q450                |     |     |               |              | (US)    |
| EN ROUTE | Q481                |     |     |               |              | (US)    |
| EN ROUTE | T303                |     |     |               |              | (US)    |
| EN ROUTE | T461                |     |     |               |              | (US)    |
| EN ROUTE | V1                  |     |     |               |              | (US)    |
| EN ROUTE | V44                 |     |     |               |              | (US)    |
| EN ROUTE | V46                 |     |     |               |              | (US)    |
| EN ROUTE | V483                |     |     |               |              | (US)    |
| IAP      | ILS OR LOC RWY 14   |     | 1   | KFRG          | FARMINGDALE  | NY (US) |
| IAP      | RNAV (GPS) RWY 1    |     | 5   | KFRG          | FARMINGDALE  | NY (US) |
| IAP      | RNAV (GPS) RWY 19   |     | 5   | KFRG          | FARMINGDALE  | NY (US) |
| IAP      | RNAV (GPS) Y RWY 14 |     | 5   | KFRG          | FARMINGDALE  | NY (US) |
| IAP      | ILS OR LOC RWY 24   |     |     | KISP          | NEW YORK     | NY (US) |

|      |                            |   |      |                       |         |
|------|----------------------------|---|------|-----------------------|---------|
| IAP  | ILS OR LOC RWY 6           |   | KISP | NEW YORK              | NY (US) |
| IAP  | ILS RWY 6 (SA CAT I & II)  |   | KISP | NEW YORK              | NY (US) |
| IAP  | ILS OR LOC RWY 13L         | 2 | KJFK | NEW YORK              | NY (US) |
| IAP  | ILS OR LOC RWY 22L         |   | KJFK | NEW YORK              | NY (US) |
| IAP  | ILS OR LOC RWY 31L         |   | KJFK | NEW YORK              | NY (US) |
| IAP  | ILS OR LOC RWY 31R         |   | KJFK | NEW YORK              | NY (US) |
| IAP  | ILS OR LOC RWY 4R          | 2 | KJFK | NEW YORK              | NY (US) |
| IAP  | ILS RWY 13L (CAT II)       | 2 | KJFK | NEW YORK              | NY (US) |
| IAP  | ILS RWY 22L (CAT II & III) |   | KJFK | NEW YORK              | NY (US) |
| IAP  | ILS RWY 4R (CAT II & III)  | 2 | KJFK | NEW YORK              | NY (US) |
| IAP  | RNAV (GPS) RWY 22R         |   | KJFK | NEW YORK              | NY (US) |
| IAP  | RNAV (GPS) RWY 31L         |   | KJFK | NEW YORK              | NY (US) |
| IAP  | RNAV (GPS) RWY 31R         |   | KJFK | NEW YORK              | NY (US) |
| IAP  | RNAV (GPS) X RWY 22L       |   | KJFK | NEW YORK              | NY (US) |
| IAP  | RNAV (GPS) Y RWY 22L       |   | KJFK | NEW YORK              | NY (US) |
| IAP  | VOR OR GPS RWY 13L/R       | 2 | KJFK | NEW YORK              | NY (US) |
| IAP  | VOR RWY 31L                |   | KJFK | NEW YORK              | NY (US) |
| IAP  | VOR RWY 4R                 | 2 | KJFK | NEW YORK              | NY (US) |
| IAP  | COPTER ILS OR LOC RWY 13   |   | KLGA | NEW YORK              | NY (US) |
| IAP  | ILS OR LOC RWY 13          |   | KLGA | NEW YORK              | NY (US) |
| IAP  | ILS OR LOC RWY 22          |   | KLGA | NEW YORK              | NY (US) |
| IAP  | ILS OR LOC RWY 4           |   | KLGA | NEW YORK              | NY (US) |
| IAP  | ILS RWY 22 (SA CAT I & II) |   | KLGA | NEW YORK              | NY (US) |
| IAP  | LOC RWY 31                 |   | KLGA | NEW YORK              | NY (US) |
| IAP  | ILS OR LOC RWY 6           |   | KHWV | SHIRLEY               | NY (US) |
| IAP  | VOR RWY 6                  |   | KHWV | SHIRLEY               | NY (US) |
| IAP  | ILS OR LOC RWY 16          |   | KHPN | WHITE PLAINS          | NY (US) |
| IAP  | ILS OR LOC RWY 34          |   | KHPN | WHITE PLAINS          | NY (US) |
| IAP  | ILS RWY 16 (SA CAT I - II) |   | KHPN | WHITE PLAINS          | NY (US) |
| STAR | RICED                      |   | KDXR | DANBURY               | CT (US) |
| STAR | DEER PARK                  |   | KBDL | WINDSOR LOCKS         | CT (US) |
| STAR | DREEM (RNAV)               |   | KBED | BEDFORD               | MA (US) |
| STAR | DREEM (RNAV)               |   | KBVY | BEVERLY               | MA (US) |
| STAR | DREEM (RNAV)               |   | KLWM | LAWRENCE              | MA (US) |
| STAR | DEER PARK                  |   | KCEF | SPRINGFIELD/CHICOPEE  | MA (US) |
| STAR | DEER PARK                  |   | KBAF | WESTFIELD/SPRINGFIELD | MA (US) |
| STAR | CAMRN                      |   | KFRG | FARMINGDALE           | NY (US) |
| STAR | PAWLN (RNAV)               |   | KFRG | FARMINGDALE           | NY (US) |
| STAR | SARDI (RNAV)               |   | KFRG | FARMINGDALE           | NY (US) |
| STAR | CAMRN                      |   | KJFK | NEW YORK              | NY (US) |
| STAR | PAWLN (RNAV)               |   | KJFK | NEW YORK              | NY (US) |
| STAR | HAARP                      |   | KLGA | NEW YORK              | NY (US) |
| STAR | TRESA (RNAV)               |   | KSWF | NEW YORK              | NY (US) |
| STAR | TRESA (RNAV)               |   | KPOU | POUGHKEEPSIE          | NY (US) |
| STAR | BOUNO                      | 4 | KHPN | WHITE PLAINS          | NY (US) |
| STAR | RICED                      |   | KHPN | WHITE PLAINS          | NY (US) |

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 42

**DATE OF REVISION:** 11/27/2025

**INFORMATION ONLY**

**REASON FOR REVISION:**

1. DOCKET: ADDED "24-AEA-12"  
 2. FIX USE: REMOVED "STAR VALRE" AT KHPN AND KDXR, AND "STAR NOBBI" AT KLGA, KHPN, AND KDXR; ADDED "EN ROUTE T461" AND "STAR DREEM (RNAV)" AT KBED, KBVY, AND KLWM.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

**NAME:** HENRY BRADSHAW

**APPROVED BY:**

**DATE:** 10/23/2025

**OFFICE:** AJV-A423

**NAME:** DAVID DANNER

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: DVANY

STATE: CT

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 415144.56N/0721811.25W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 23-AEA-10

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   | HARTFORD | HFD   | VOR/DME | L     | 052.50  | 039.50   | 17.22 | 17.22            | 3000 | 17500 |
| 2   | NORWICH  | ORW   | VOR/DME | L     | 337.45  | 323.45   |       | 22.87            | 3000 | 17500 |

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH DME | HOLDING ALTITUDES MIN | MAX  | TEMPLATES MIN | MAX |
|-----|-----|-------|------|-------------|-------------|---------------|----------------|-----------------------|------|---------------|-----|
| 1   | SE  |       | WP   | 137.13      | 317.13      | L             | 4              | 2500                  | 5000 | 5             | 13  |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 200      | AAO         | 415312.00N/0722254.00W | 1191      | 4E            |
| 1   | 310      | AAO         | 415715.00N/0721239.00W | 1391      | 4E            |

## REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC FACILITY BOUNDARIES

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

# INFORMATION ONLY

## REMARKS:

HARTFORD (FAC 1) AND NORWICH (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
CHART ON SECTIONAL - ATC REQUEST.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

| USE TYPE | USE TITLE        | FAC  | PAT | AIRPORT IDENT | CITY        | STATE   |
|----------|------------------|------|-----|---------------|-------------|---------|
| EN ROUTE | T303             |      |     |               |             | (US)    |
| EN ROUTE | T315             |      |     |               |             | (US)    |
| EN ROUTE | V1               | 1, 2 |     |               |             | (US)    |
| IAP      | RNAV (GPS) RWY 9 |      | 1   | KIJD          | WILLIMANTIC | CT (US) |
| IAP      | RNAV (GPS) RWY 2 |      |     | 3B0           | SOUTHBRIDGE | MA (US) |
| STAR     | DREEM (RNAV)     |      |     | KBED          | BEDFORD     | MA (US) |
| STAR     | GRAYM            | 1, 2 |     | KBED          | BEDFORD     | MA (US) |
| STAR     | DREEM (RNAV)     |      |     | KBVY          | BEVERLY     | MA (US) |
| STAR     | GRAYM            | 1, 2 |     | KBVY          | BEVERLY     | MA (US) |
| STAR     | GRAYM            | 1, 2 |     | KFIT          | FITCHBURG   | MA (US) |
| STAR     | DREEM (RNAV)     |      |     | KLWM          | LAWRENCE    | MA (US) |
| STAR     | GRAYM            | 1, 2 |     | KLWM          | LAWRENCE    | MA (US) |

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 05/16/2024

## REASON FOR REVISION:

1. DOCKET: ADDED "23-AEA-10"  
2. FIX USE: ADDED "EN ROUTE T303"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A423

NAME: MICHAEL GARRITY

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: HARTFORD VOR/DME

STATE: CT

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 413827.98N/0723250.70W

TYPE:

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<br>NM FEET | MRA | MAA   |
|-----|----------|-------|---------|-------|---------|----------|-----|--------------------------|-----|-------|
| 1   | HARTFORD | HFD   | VOR/DME | L     |         |          |     |                          |     | 17500 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

| PAT | DIR | IDENT | TYPE    | RAD/CRS/BRG | CRS<br>INBOUND | TURN<br>(L OR R) | LEG TIME | LENGTH<br>DME | HOLDING ALTITUDES<br>MIN MAX | TEMPLATES<br>MIN MAX |
|-----|-----|-------|---------|-------------|----------------|------------------|----------|---------------|------------------------------|----------------------|
| 1   | SE  | HFD   | VOR/DME | 154.12      | 334.12         | R                | 1        |               | 2500 5000                    | 4 5                  |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 200      | AAO         | 413639.00N/0723212.00W | 1109      | 4E            |

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

## REMARKS:

SECTIONAL CHARTING PER ATC REQUEST.  
PRECIPITIOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAGVAR: 13W (1970).

# INFORMATION ONLY

## FIX USE: USE TYPE

## USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

|          |                            |   |  |      |               |         |
|----------|----------------------------|---|--|------|---------------|---------|
| DP       | BRADLEY                    |   |  | KBDL | WINDSOR LOCKS | CT (US) |
| DP       | STEWART                    |   |  | KSWF | NEWBURGH      | NY (US) |
| DP       | DUTCHESS                   |   |  | KPOU | POUGHKEEPSIE  | NY (US) |
| EN ROUTE | T303                       |   |  |      |               | (US)    |
| EN ROUTE | T315                       |   |  |      |               | (US)    |
| EN ROUTE | V1                         |   |  |      |               | (US)    |
| EN ROUTE | V167                       |   |  |      |               | (US)    |
| EN ROUTE | V3                         |   |  |      |               | (US)    |
| EN ROUTE | V99                        |   |  |      |               | (US)    |
| EN ROUTE | T216                       |   |  |      |               | (US)    |
| IAP      | RNAV (GPS) RWY 17          |   |  | KSNC | CHESTER       | CT (US) |
| IAP      | LDA RWY 2                  | 1 |  | KHFD | HARTFORD      | CT (US) |
| IAP      | RIVER VISUAL RWY 2         |   |  | KHFD | HARTFORD      | CT (US) |
| IAP      | VOR-A                      | 1 |  | KHFD | HARTFORD      | CT (US) |
| IAP      | VOR RWY 36                 |   |  | KMMK | MERIDEN       | CT (US) |
| IAP      | RNAV (GPS) RWY 20          |   |  | KHVN | NEW HAVEN     | CT (US) |
| IAP      | ILS OR LOC RWY 36          |   |  | KOXC | OXFORD        | CT (US) |
| IAP      | RNAV (GPS) RWY 20          |   |  | 4B8  | PLAINVILLE    | CT (US) |
| IAP      | RNAV (GPS) RWY 9           |   |  | KIJD | WILLIMANTIC   | CT (US) |
| IAP      | VOR-A                      |   |  | KIJD | WILLIMANTIC   | CT (US) |
| IAP      | COPTER ILS OR LOC RWY 6    | 1 |  | KBDL | WINDSOR LOCKS | CT (US) |
| IAP      | ILS OR LOC RWY 24          | 1 |  | KBDL | WINDSOR LOCKS | CT (US) |
| IAP      | ILS OR LOC RWY 33          |   |  | KBDL | WINDSOR LOCKS | CT (US) |
| IAP      | ILS OR LOC RWY 6           | 1 |  | KBDL | WINDSOR LOCKS | CT (US) |
| IAP      | ILS RWY 24 (SA CAT I & II) | 1 |  | KBDL | WINDSOR LOCKS | CT (US) |
| IAP      | ILS RWY 6 (CAT II & III)   | 1 |  | KBDL | WINDSOR LOCKS | CT (US) |
| IAP      | ILS RWY 6 (SA CAT I)       | 1 |  | KBDL | WINDSOR LOCKS | CT (US) |
| IAP      | RNAV (GPS) RWY 33          |   |  | KBDL | WINDSOR LOCKS | CT (US) |
| IAP      | RNAV (GPS) Y RWY 6         |   |  | KBDL | WINDSOR LOCKS | CT (US) |
| IAP      | VOR/DME RWY33              |   |  | KORH | WORCESTER     | MA (US) |
| STAR     | DREEM (RNAV)               |   |  | KBED | BEDFORD       | MA (US) |
| STAR     | GRAYM                      |   |  | KBED | BEDFORD       | MA (US) |
| STAR     | DREEM (RNAV)               |   |  | KBVY | BEVERLY       | MA (US) |
| STAR     | GRAYM                      |   |  | KBVY | BEVERLY       | MA (US) |
| STAR     | WOONS                      |   |  | KBOS | BOSTON        | MA (US) |
| STAR     | GRAYM                      |   |  | KFIT | FITCHBURG     | MA (US) |
| STAR     | DREEM (RNAV)               |   |  | KLWM | LAWRENCE      | MA (US) |
| STAR     | GRAYM                      |   |  | KLWM | LAWRENCE      | MA (US) |
| STAR     | WOONS                      |   |  | 1B9  | MANSFIELD     | MA (US) |
| STAR     | WOONS                      |   |  | KGHG | MARSHFIELD    | MA (US) |
| STAR     | WOONS                      |   |  | KOWD | NORWOOD       | MA (US) |

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 30

DATE OF REVISION: 11/27/2025

**REASON FOR REVISION:**

1. FIX USE: REMOVED "STAR VALRE" AT KHPN AND KDXR; REMOVED "DP COASTAL" AT KHFD, KBDL, AND KBAF.

**INITIATED BY:****DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

**NAME:** HENRY BRADSHAW**APPROVED BY:****DATE:** 10/23/2025**OFFICE:** AJV-A423**NAME:** DAVID DANNER**SIGNATURE:*****INFORMATION ONLY***

# RADIO FIX AND HOLDING DATA RECORD

NAME: MOGUL

STATE: CT

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 414322.76N/0720032.87W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-18

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   | NORWICH    | ORW   | VOR/DME | L     | 011.48  | 357.48   | 10.00 | 10.00            |      | 3000 | 17500 |
| 2   | PROVIDENCE | PVD   | VOR/DME | H     | 284.01  | 270.01   | 26.04 | 26.04            |      | 5000 | 17500 |

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

NORWICH (FAC 1) USED TO ESTABLISH FIX COORDINATES.  
CHART ON SECTIONAL - ATC REQUEST.

**INFORMATION ONLY**

## FIX USE:

| USE TYPE | USE TITLE    | FAC  | PAT | AIRPORT IDENT | CITY      | STATE (US) |
|----------|--------------|------|-----|---------------|-----------|------------|
| EN ROUTE | T320         |      |     |               |           |            |
| STAR     | DREEM (RNAV) |      |     | KBED          | BEDFORD   | MA (US)    |
| STAR     | GRAYM        | 1, 2 |     | KBED          | BEDFORD   | MA (US)    |
| STAR     | DREEM (RNAV) |      |     | KBVY          | BEVERLY   | MA (US)    |
| STAR     | GRAYM        | 1, 2 |     | KBVY          | BEVERLY   | MA (US)    |
| STAR     | GRAYM        | 1, 2 |     | KFIT          | FITCHBURG | MA (US)    |
| STAR     | DREEM (RNAV) |      |     | KLWM          | LAWRENCE  | MA (US)    |
| STAR     | GRAYM        | 1, 2 |     | KLWM          | LAWRENCE  | MA (US)    |

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 02/23/2023

## REASON FOR REVISION:

1. DELETED T608 FROM FIX USE.
2. ADDED DOCKET 21-AEA-21.
3. ADDED DREEM (RNAV) STAR AT BVY AND LWM TO FIX USE.
4. ADDED GRAYM STAR AT BVY, LWM AND FIT TO FIX USE.
5. ADDED T320 TO FIX USE.

10/05/22: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/19/22.

1. CHANGED DOCKET FROM 12-AEA-21 TO 21-AEA-18.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: LIAM DONAHUE

APPROVED BY:

DATE: 11/03/2022

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: PAISN

STATE: CT

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 415022.56N/0720702.55W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

**INFORMATION ONLY**

## FIX USE:

### USE TYPE

| USE TYPE | USE TITLE    |
|----------|--------------|
| STAR     | DREEM (RNAV) |
| STAR     | GRAYM        |
| STAR     | DREEM (RNAV) |
| STAR     | GRAYM        |
| STAR     | GRAYM        |
| STAR     | DREEM (RNAV) |
| STAR     | GRAYM        |

### FAC

### PAT

### AIRPORT IDENT

|      |
|------|
| KBED |
| KBED |
| KBVY |
| KBVY |
| KFIT |
| KLWM |
| KLWM |

### CITY

|           |
|-----------|
| BEDFORD   |
| BEDFORD   |
| BEVERLY   |
| BEVERLY   |
| FITCHBURG |
| LAWRENCE  |
| LAWRENCE  |

### STATE

|         |
|---------|
| MA (US) |
| MA (US) |
| MA (US) |
| MA (US) |
| MA (US) |
| MA (US) |
| MA (US) |

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 12/15/2011

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 06/23/2011

OFFICE: AJV-352

NAME: DONALD SMITH (DAVID SAUER)

APPROVED BY:

DATE: 10/26/2011

OFFICE: AJV-352

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZBW  
ATC FACILITY: BOS APP CON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: RIKAH

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 423305.03N/0712507.23W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**INFORMATION ONLY**

**REMARKS:**

ENROUTE/CONTROLLER LOW CHARTING REQUESTED BY ATC.

**FIX USE:  
USE TYPE**

**USE TITLE**

**FAC**

**PAT**

**AIRPORT IDENT**

**CITY**

**STATE**

|      |                   |  |  |      |          |         |
|------|-------------------|--|--|------|----------|---------|
| IAP  | RNAV (GPS) RWY 29 |  |  | KBED | BEDFORD  | MA (US) |
| IAP  | RNAV (GPS) RWY 9  |  |  | KBVY | BEVERLY  | MA (US) |
| STAR | DREEM (RNAV)      |  |  | KBED | BEDFORD  | MA (US) |
| STAR | ZELKA (RNAV)      |  |  | KBED | BEDFORD  | MA (US) |
| STAR | DREEM (RNAV)      |  |  | KBVY | BEVERLY  | MA (US) |
| STAR | ZELKA (RNAV)      |  |  | KBVY | BEVERLY  | MA (US) |
| STAR | DREEM (RNAV)      |  |  | KLWM | LAWRENCE | MA (US) |
| STAR | ZELKA (RNAV)      |  |  | KLWM | LAWRENCE | MA (US) |

**REQUIRED CHARTING:** STAR, IAP, EN ROUTE LOW, CONTROLLER LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 4

**DATE OF REVISION:** 11/27/2025

**REASON FOR REVISION:**

1. FIX USE: ADDED RNAV (GPS) RWY 29 AT KBED.
2. ADDED REMARK: ENROUTE/CONTROLLER LOW CHARTING REQUESTED BY ATC.
3. ADDED REQUIRED CHARTING: ENROUTE LOW, CONTROLLER LOW.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** BARBARA GORMAN

**APPROVED BY:**

**DATE:** 10/23/2025

**OFFICE:** AJV-A430

**NAME:** CASIMIR TABAKA

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: WIPOR

STATE: CT

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 413923.07N/0721037.67W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

| FAC | NAME     | IDENT | TYPE    | CLASS | MAG<br>BRG | TRUE<br>BRG | DME   | DIST FROM FAC<br>NM FEET | MRA  | MAA   |
|-----|----------|-------|---------|-------|------------|-------------|-------|--------------------------|------|-------|
| 1   | NORWICH  | ORW   | VOR/DME | L     | 320.91     | 306.91      | 10.00 | 10.00                    | 2600 | 17500 |
| 2   | HARTFORD | HFD   | VOR/DME | L     | 099.72     | 086.72      |       | 16.68                    | 2600 | 17500 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

NORWICH (FAC 1) AND HARTFORD (FAC 2) USED TO ESTABLISH FIX COORDINATES.

**INFORMATION ONLY**

## FIX USE:

| USE TYPE | USE TITLE    | FAC  | PAT | AIRPORT IDENT | CITY              | STATE   |
|----------|--------------|------|-----|---------------|-------------------|---------|
| EN ROUTE | T300         |      |     |               |                   | (US)    |
| STAR     | DREEM (RNAV) |      |     | KBED          | BEDFORD           | MA (US) |
| STAR     | GRAYM        | 1, 2 |     | KBED          | BEDFORD           | MA (US) |
| STAR     | DREEM (RNAV) |      |     | KBVY          | BEVERLY           | MA (US) |
| STAR     | GRAYM        | 1, 2 |     | KBVY          | BEVERLY           | MA (US) |
| STAR     | GRAYM        | 1, 2 |     | KFIT          | FITCHBURG         | MA (US) |
| STAR     | DREEM (RNAV) |      |     | KLWM          | LAWRENCE          | MA (US) |
| STAR     | GRAYM        | 1, 2 |     | KLWM          | LAWRENCE          | MA (US) |
| STAR     | WIPOR (RNAV) |      |     | KEWB          | NEW BEDFORD       | MA (US) |
| STAR     | WIPOR (RNAV) |      |     | KPYM          | PLYMOUTH          | MA (US) |
| STAR     | WIPOR (RNAV) |      |     | KTAN          | TAUNTON           | MA (US) |
| STAR     | NELIE (RNAV) |      |     | KISP          | NEW YORK          | NY (US) |
| STAR     | NELIE (RNAV) |      |     | KFOK          | WESTHAMPTON BEACH | NY (US) |
| STAR     | WIPOR (RNAV) |      |     | KUUU          | NEWPORT           | RI (US) |
| STAR     | WIPOR (RNAV) |      |     | KOQU          | NORTH KINGSTOWN   | RI (US) |
| STAR     | WIPOR (RNAV) |      |     | KSFZ          | PAWTUCKET         | RI (US) |
| STAR     | WIPOR (RNAV) |      |     | KPVD          | PROVIDENCE        | RI (US) |

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 08/07/2025

## REASON FOR REVISION:

REMOVED AIRSPACE DOCKET #19-ANE-5.  
ADDED STAR WIPOR (RNAV) FOR KPVM AND KTAN AIRPORTS IN FIX USE.  
ADDED FAC 1,2 TO ALL GRAYM STARS IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A432

NAME: JOSEPH ZEDER

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: ZELKA

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 422941.90N/0713312.27W

TYPE: WP, RADAR, 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 | FEET | MRA  | MAA  |
|-----|---------|-------|---------|-------|---------|----------|-------|------------------|------|------|------|
| 1   | BEDFORD | I-BED | LOC/DME |       | 293.13  | 277.13   | 12.76 | 12.75            |      | 1900 | 4600 |

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   | NW  | I-BED | LOC/DME | 293.13      | 113.13      | L             | 1               |     | 1900                  | 4600 | 4             | 6   |
| 2   | NW  |       | WP      | 292.96      | 112.96      | L             |                 | 4   | 1900                  | 6000 | 4             | 6   |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 200      | AAO         | 422709.00N/0713642.00W | 889       | 4E            |
| 2   | 200      | AAO         | 422709.00N/0713604.00W | 889       | 4E            |

## REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST  
PAT 2 ATC REQUEST

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**INFORMATION ONLY**

## REMARKS:

I-BED DME COORDINATES: 422805.50N/0711606.17W  
HOLDING PATTERNS PENETRATE R-4102A & 4102B  
BOSTON APP CON IS CONTROLLING AGENCY FOR R-4102A & R-4102B (SURFACE TO 3995)  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

| USE TYPE | USE TITLE         | FAC | PAT | AIRPORT IDENT | CITY     | STATE   |
|----------|-------------------|-----|-----|---------------|----------|---------|
| IAP      | ILS OR LOC RWY 11 | 1   | 1   | KBED          | BEDFORD  | MA (US) |
| IAP      | RNAV (GPS) RWY 11 |     | 2   | KBED          | BEDFORD  | MA (US) |
| STAR     | DREEM (RNAV)      |     |     | KBED          | BEDFORD  | MA (US) |
| STAR     | ZELKA (RNAV)      |     |     | KBED          | BEDFORD  | MA (US) |
| STAR     | ZELKA (RNAV)      |     |     | KBVY          | BEVERLY  | MA (US) |
| STAR     | ZELKA (RNAV)      |     |     | KLWM          | LAWRENCE | MA (US) |

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 11/27/2025

## REASON FOR REVISION:

1. FIX USE: REMOVED RNAV (RNP) Y RWY 11 AT KBED, DREEM (RNAV) STAR AT KBVY AND KLWN; UPDATED RNAV (GPS) Z RWY 11 TO RNAV (GPS) RWY 11 AT KBED.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE: