

# RADIO FIX AND HOLDING DATA RECORD

NAME: CACVA

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 422348.16N/0712153.93W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
IAP

USE TITLE  
RNAV (GPS) RWY 23

FAC

PAT

AIRPORT IDENT  
KBED

CITY  
BEDFORD

STATE  
MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/25/2021

REASON FOR REVISION:

REMOVED KBED R05 AS FAC 1  
UPDATED FIX USE FORMAT

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: NICHOLAS JACKSON

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: DREEM STATE: MA COUNTRY: US ICAO REGION CODE: K6  
 LATITUDE/LONGITUDE: 422142.65N/0714434.13W 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	HARTFORD	HFD	VOR/DME	L	052.51	039.51	56.25	56.25	4000	17500
2	GARDNER	GDM	VOR/DME	L	142.14	128.14		17.84	3000	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
HFD	VOR/DME	R-053	57	4000	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	SW	HFD	VOR/DME	052.51	052.51	L	1		3100	6000	6	7
2	SW		WP	233.00	053.00	L		10	4000	14000	15	15

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (25-000157)	422009.00N/0714255.00W	2049	5D
2	210	TOWER (25-000209)	422922.00N/0715313.80W	2090	5D

## REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST  
 PAT 2 ATC REQUEST

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

HARTFORD (FAC 1) AND GARDNER (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 PAT 2-ATC REQUESTED 210 KIAS AND 10 NM LEG LENGTHS.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRADLEY	2		KBDL	WINDSOR LOCKS	CT (US)
IAP	RNAV (GPS) RWY 23		2	KBED	BEDFORD	MA (US)
STAR	DREEM (RNAV)		1	KBED	BEDFORD	MA (US)
STAR	GRAYM	1, 2	1	KBED	BEDFORD	MA (US)
STAR	DREEM (RNAV)		2	KBVY	BEVERLY	MA (US)
STAR	GRAYM	1, 2	1	KBVY	BEVERLY	MA (US)
STAR	GRAYM	1, 2	1	KFIT	FITCHBURG	MA (US)
STAR	DREEM (RNAV)		2	KLWM	LAWRENCE	MA (US)
STAR	GRAYM	1, 2	1	KLWM	LAWRENCE	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 DATE OF REVISION: 02/25/2021

## REASON FOR REVISION:

REMOVED RNAV (GPS) RWY 11 AT KBED

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 NAME: NICHOLAS JACKSON

APPROVED BY: DATE: OFFICE: AJV-A430 NAME: LONNIE EVERHART

SIGNATURE:

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

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** EZKOW

**STATE:** MA

**COUNTRY:** US

**ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 424021.77N/0711325.90W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** MODIFY

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

**FIX USE:**

**USE TYPE**  
IAP

**USE TITLE**  
RNAV (GPS) RWY 23

**FAC**

**PAT**

**AIRPORT IDENT**  
KBED

**CITY**  
BEDFORD

**STATE**  
MA (US)

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 2

**DATE OF REVISION:** 02/25/2021

**REASON FOR REVISION:**

REMOVED JENDI AS FAC 1  
UPDATED FIX USE FORMAT

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A431

**NAME:** NICHOLAS JACKSON

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-A430

**NAME:** LONNIE EVERHART

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**

**FPO:** EST

**ARTCC:** ZBW

**ATC FACILITY:** BED TOWER, BOS APP CON

**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: JABMU

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 422801.28N/0713405.63W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
IAP

USE TITLE  
RNAV (GPS) RWY 23

FAC

PAT

AIRPORT IDENT  
KBED

CITY  
BEDFORD

STATE  
MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/25/2021

REASON FOR REVISION:

REMOVED EZKOW AS FAC 1  
UPDATED FIX USE FORMAT

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: NICHOLAS JACKSON

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: JENDI

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 423720.34N/0710802.10W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NE		WP	053.22	233.22	R	4	2000	6000	4	6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (25-000052)	424622.00N/0710601.00W	868	5D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 23		1	KBED	BEDFORD	MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/25/2021

## REASON FOR REVISION:

REMOVED KBED R23 AS FAC 1  
UPDATED FIX USE FORMAT  
HOLDING COURSE INBOUND CHANGED FROM 233.23 TO 233.22.  
DME LENGTH CHANGED FROM 5 TO 4.  
FAS OBST CHANGED FROM 817 TOWER TO 868 TOWER.  
MOVED "HOLDING LIMITED TO ESTABLISHED PATTERN" TO HOLDING RESTRICTIONS.  
ADDED "PRECIPITOUS TERRAIN EVALUATION COMPLETED" TO REMARKS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: NICHOLAS JACKSON

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: LOBBY

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 423015.53N/0713634.04W

TYPE: WP, 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	FAC FEET	MRA	MAA
1	GARDNER	GDM	VOR/DME	L	110.99	096.99	20.06	20.06		2000	17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

## 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	GDM	VOR/DME	290.99	110.99	L	1		3700	17500	5	17

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	423130.00N/0714803.00W	1355	4B

## REASON FOR NONSTANDARD HOLDING:

PAT 1 AIRSPACE PROTECTION

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

HOLDING PATTERN OVERLAYS R-4102A SURFACE UP TO BUT NOT INCLUDING 2000.  
HOLDING PATTERN PENETRATES R-4102B 3700 TO 3995  
BOSTON APP CON IS CONTROLLING AGENCY FOR R-4102A/B.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T608					(US)
EN ROUTE	V431	1	1			(US)
IAP	ILS OR LOC RWY 11	1		KBED	BEDFORD	MA (US)
IAP	RNAV (GPS) RWY 23			KBED	BEDFORD	MA (US)
IAP	RNAV (RNP) Y RWY 11			KBED	BEDFORD	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 07/11/2024

## REASON FOR REVISION:

HOLDING: CHANGED PAT 1 MIN ALTITUDE FROM 3500 TO 3700 - MEA ON V431. UPDATED CONTROLLING OBSTRUCTION DATA.  
REMARKS: CHANGED HOLDING PATTERN PENETRATES R-4102B 3500 TO 3995 TO HOLDING PATTERN PENETRATES R-4102B 3700 TO 3995. REMOVED CHART ON SECTIONAL - ATC REQUEST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 07/11/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: LWRNC

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 424425.51N/0710542.27W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**REMARKS:**

ENROUTE/CONTROLLER LOW/HIGH CHARTING REQUESTED BY ATC.

**FIX USE:**

**USE TYPE**

**USE TITLE**

**FAC**

**PAT**

**AIRPORT IDENT**

**CITY**

**STATE**

IAP

RNAV (GPS) RWY 23

KBED

BEDFORD

MA (US)

IAP

RNAV (RNP) Y RWY 11

KBED

BEDFORD

MA (US)

IAP

RNAV (RNP) Y RWY 29

KBED

BEDFORD

MA (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1

**DATE OF REVISION:** 06/17/2021

**REASON FOR REVISION:**

ADDED ENROUTE LOW, CONTROLLER LOW, ENROUTE HIGH, CONTROLLER HIGH TO REQUIRED CHARTING.

ADDED REMARKS, ENROUTE/CONTROLLER LOW/HIGH CHARTING REQUESTED BY ATC.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** GORDON LEMON

**APPROVED BY:**

**DATE:** 02/12/2021

**OFFICE:** AJV-A430

**NAME:** JON DENTON

**SIGNATURE:**

**DISTRIBUTION:**

NFDC

FPO: CEN

ARTCC: ZBW

ATC FACILITY: BOS APP CON

OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: OYIVE

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 423231.79N/0711258.42W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
IAP

USE TITLE  
RNAV (GPS) RWY 23

FAC

PAT

AIRPORT IDENT  
KBED

CITY  
BEDFORD

STATE  
MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 02/25/2021

REASON FOR REVISION:

REMOVED KBED R23 AS FAC 1  
FIX MOVED 399.73 FEET NORTHEAST  
UPDATED FIX USE FORMAT

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: NICHOLAS JACKSON

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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