

RADIO FIX AND HOLDING DATA RECORD

NAME: BURDY

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 415719.14N/0705707.45W

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	MRA	MAA
1	SANDY POINT	SEY	VOR/DME	L	045.54	030.54	54.99	54.98	2000	45000
2	BOSTON	BOS	VOR/DME	VH	192.02	176.02	24.18	24.18	3000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SEY	VOR/DME	R-046	55	2000	45000

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	N		WP	012.02	192.02	L		4	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	420342.00N/0705857.00W	470	4B

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUIRED FOR AIRSPACE

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

SECTIONAL ADDED PER ATC REQUEST.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HANSCOM	1, 2		KBED	BEDFORD	MA (US)
DP	BEVERLY	1, 2		KBVY	BEVERLY	MA (US)
DP	LOGAN	1		KBOS	BOSTON	MA (US)
DP	WYLYY (RNAV)			KBOS	BOSTON	MA (US)
DP	LAWRENCE	1		KLWM	LAWRENCE	MA (US)
DP	NORWOOD			KOWD	NORWOOD	MA (US)
EN ROUTE	T287					(US)
EN ROUTE	T358					(US)
EN ROUTE	V139	1				(US)
EN ROUTE	V268	1				(US)
IAP	COPTER RNAV (GPS) Y RWY 14		1	1B9	MANSFIELD	MA (US)
IAP	RNAV (GPS) Z RWY 14		1	1B9	MANSFIELD	MA (US)
IAP	RNAV (GPS) RWY 14			KEWB	NEW BEDFORD	MA (US)
IAP	RNAV (GPS) RWY 23			KEWB	NEW BEDFORD	MA (US)
IAP	RNAV (GPS) RWY 32			KEWB	NEW BEDFORD	MA (US)
IAP	RNAV (GPS) RWY 35			KOWD	NORWOOD	MA (US)
IAP	RNAV (GPS) RWY 23			KSFZ	PAWTUCKET	RI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. ADDED IAPS COPTER RNAV (GPS) Y RWY 14 AND RNAV (GPS) Z RWY 14 AT 1B9 IN FIX USE.
2. UPDATED PAT 1 CONTROLLING OBSTRUCTION DATA FROM "420548.00N/0705924.00W 424 4E" TO "420342.00N/0705857.00W 470 4B".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: FENIP

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 420502.68N/0712224.02W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) Z RWY 14

FAC

PAT

AIRPORT IDENT
1B9

CITY
MANSFIELD

STATE
MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 12/01/2022

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: RALPH DUMAR

APPROVED BY:

DATE: 09/08/2022

OFFICE: AJV-5420

NAME: MARLON ROBINSON

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: HOTVU

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 420915.85N/0711847.55W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) Z RWY 14

FAC

PAT

AIRPORT IDENT
1B9

CITY
MANSFIELD

STATE
MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 12/01/2022

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: RALPH DUMAR

APPROVED BY:

DATE: 09/08/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: STIME

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 420221.64N/0711644.84W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) Z RWY 14

FAC

PAT

AIRPORT IDENT
1B9

CITY
MANSFIELD

STATE
MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 12/01/2022

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: RALPH DUMAR

APPROVED BY:

DATE: 09/08/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: WHYBE

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 421513.83N/0712459.53W

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	MRA	MAA
1	BOSTON	BOS	VOR/DME	VH	268.04	252.04	20.00	20.00	3000	17500
2	GARDNER	GDM	VOR/DME	L	135.34	121.34	33.47	33.47	3000	17500
3	PUTNAM	PUT	VOR/DME	H	060.72	046.72		26.17	3000	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	ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	E	BOS	VOR/DME	268.04	268.04	R	1		3000	17500	6	18
2	E		WP	088.04	268.04	R		4	3000	6000	5	6
3	SE	GDM	VOR/DME	135.34	315.34	R	1		3000	17500	6	18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (25-000031)	421837.18N/0711411.71W	1447	1A
2	200	TOWER (25-000031)	421837.18N/0711411.71W	1447	1A
3	200	TOWER (25-000196)	422048.00N/0712656.00W	826	4D
3	310	TOWER (25-000619)	422302.73N/0712935.33W	1462	2A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	LOC RWY 35	KOWD	NORWOOD	MA (US)

REMARKS:

BOSTON (FAC 1) AND GARDNER (FAC 2) USED TO ESTABLISH FIX COORDINATES.
SECTIONAL CHARTING PER ATC REQUEST.
PRECIPITOUS TERRAIN EVALUATION COMPLETED
HOLDING PATTERN 1 ON LOW ENROUTE UTILIZES FAC 1 AND 2.
PATTERN 3 IS UNCHARTED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T303					(US)
EN ROUTE	V1	1, 2, 3	1			(US)
IAP	RNAV (GPS) RWY 23			KBED	BEDFORD	MA (US)
IAP	RNAV (GPS) RWY 32		2	1B9	MANSFIELD	MA (US)
IAP	RNAV (GPS) Z RWY 14			1B9	MANSFIELD	MA (US)
IAP	LOC RWY 35	2, 3	3	KOWD	NORWOOD	MA (US)
IAP	RNAV (GPS) RWY 35		2	KOWD	NORWOOD	MA (US)
IAP	RNAV (GPS) RWY 29			KORH	WORCESTER	MA (US)
IAP	RNAV (GPS) RWY 23		2	KSFZ	PAWTUCKET	RI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. FIX MAKE-UP: FAC 3 DELETED DME.
2. CONTROLLING OBSTRUCTION PAT 3 TOWER (25-000196) ACCURACY CODE CHANGED FROM 5D TO 4D.
3. ADDED CONTROLLING OBSTRUCTION PAT 3 AIRSPEED 310 TOWER (25-000619) 422302.73N/0712935.33W 1462 2A.
4. ADDED PROCEDURE REQUIRING CLIMB-IN-HOLD PAT 3 LOC RWY 35 KOWD NORWOOD MA (US).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: RYAN PIPKIN

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A33

NAME: JOHN BORDY

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: WOONS

STATE: RI

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 415702.07N/0713025.34W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-ANE-5

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	056.92	042.92	32.37	32.37	2500	17500
2	PUTNAM	PUT	VOR/DME	H	105.00	091.00	15.09	15.09	2000	17500
3	BOSTON	BOS	VOR/DME	VH	239.60	223.60	33.60	33.60	2000	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	BOS	VOR/DME	239.60	059.60	L	1	3000 10000	6 11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (44-000083)	415032.57N/0714011.29W	1069	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC SEPARATION FROM PVD AIRSPACE

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

NORWICH (FAC 1) AND PUTNAM (FAC 2) USED TO ESTABLISH FIX COORDINATES.
SECTIONAL ADDED PER ATC REQUEST
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	T224					MA (US)
EN ROUTE	V3	1, 2, 3	1			MA (US)
IAP	RNAV (GPS) RWY 32			KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) RWY 4L			KBOS	BOSTON	MA (US)
IAP	COPTER RNAV (GPS) Y RWY 14			1B9	MANSFIELD	MA (US)
IAP	RNAV (GPS) RWY 32			1B9	MANSFIELD	MA (US)
IAP	RNAV (GPS) Z RWY 14			1B9	MANSFIELD	MA (US)
IAP	RNAV (GPS) RWY 35			KOWD	NORWOOD	MA (US)
IAP	RNAV (GPS) RWY 16			KPVD	PROVIDENCE	RI (US)
STAR	WOONS	1, 2	1	KBOS	BOSTON	MA (US)
STAR	WOONS	1, 2	1	1B9	MANSFIELD	MA (US)
STAR	WOONS	1, 2	1	KGHG	MARSHFIELD	MA (US)
STAR	WOONS	1, 2	1	KOWD	NORWOOD	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 08/10/2023

REASON FOR REVISION:

1. CHANGED AIRSPACE DOCKET FROM "21-AEA-22" TO "21-ANE-5".
2. DELETED V16 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

QUALITY
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CHECKED