

RADIO FIX AND HOLDING DATA RECORD

NAME: AVONN

STATE: RI

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 413809.30N/0711226.15W

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	FEET	MRA	MAA
1	SANDY POINT	SEY	VOR/DME	L	045.54	030.54	32.66	32.66		2000	17500
2	PROVIDENCE	PVD	VOR/DME	H	131.87	117.87		11.32		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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NW		WP	307.00	127.00	R		4	2500	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (44-000031)	413549.00N/0711121.00W	1049	1D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T358					(US)
EN ROUTE	V146	1, 2				(US)
EN ROUTE	V268	1, 2				(US)
IAP	RNAV (GPS) RWY 32			1B9	MANSFIELD	MA (US)
IAP	RNAV (GPS) RWY 15			KMVY	VINEYARD HAVEN	MA (US)
IAP	RNAV (GPS) RWY 16		1	KPVD	PROVIDENCE	RI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 12/26/2024

REASON FOR REVISION:

FIX USE: ADD EN ROUTE T358.
FIX USE: REMOVE IAP RNAV (GPS) RWY 15 KPVM PLYMOUTH MA(US).
REQUIRED CHARTING: CHANGED CONTROLLER TO CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: RICHARD CAMPBELL

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

QUALITY
39
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DUNKK

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 420454.15N/0703922.83W

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	FEET	MRA	MAA
1	BOSTON	BOS	VOR/DME	H	153.96	137.96	22.23	22.23		1700	17500
2	PROVIDENCE	PVD	VOR/DME	H	072.00	058.00	40.74	40.74		3000	17500
3	MARCONI	LFV	VOR/DME	H	294.17	278.17		27.94		1700	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
PVD	VOR/DME	R-072	41	3000	14600

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

REMARKS:

BOSTON (FAC 1) AND PROVIDENCE (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HANSCOM			KBED	BEDFORD	MA (US)
DP	BEVERLY			KBVY	BEVERLY	MA (US)
DP	LOGAN			KBOS	BOSTON	MA (US)
DP	LAWRENCE			KLWM	LAWRENCE	MA (US)
DP	NORWOOD			KOWD	NORWOOD	MA (US)
EN ROUTE	V141	1, 2, 3				(US)
IAP	RNAV (GPS) RWY 32			KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) RWY 14			KFMH	FALMOUTH	MA (US)
IAP	RNAV (GPS) RWY 23			KFMH	FALMOUTH	MA (US)
IAP	RNAV (GPS) RWY 32			1B9	MANSFIELD	MA (US)
IAP	ILS OR LOC RWY 7	1, 2		KPVC	PROVINCETOWN	MA (US)
IAP	NDB RWY 25	1, 2		KPVC	PROVINCETOWN	MA (US)
IAP	RNAV (GPS) RWY 07			KPVC	PROVINCETOWN	MA (US)
IAP	RNAV (GPS) RWY 15			KMVY	VINEYARD HAVEN	MA (US)

REQUIRED CHARTING: DP, MILITARY IAP, IAP, AREA, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. REQUIRED CHARTING: UPDATED "CONTROLLER" TO CONTROLLER LOW.
2. HOLDING: CANCELLED.
3. REMARKS: REMOVED HOLDING REFERENCES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: ANA VEGA

APPROVED BY:

DATE: 03/19/2021

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

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

QUALITY
39
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: EASTN

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 415733.06N/0710639.56W

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 32

FAC

PAT

AIRPORT IDENT
1B9

CITY
MANSFIELD

STATE
MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 12/01/2022

REASON FOR REVISION:

CHANGED LAT/LONG FROM 415649.84N/0710509.41W TO 415733.06N/0710639.56W - FIX MOVED 1.33 NM NORTHWEST TO NEW PFAF LOCATION.

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:

QUALITY
39
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RAYNM

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 415335.29N/0705823.77W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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	SE		WP	138.76	318.76	R	4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	STACK (25-000467)	414807.00N/0704715.00W	419	3C

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 32		1	1B9	MANSFIELD	MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 12/01/2022

REASON FOR REVISION:

REDUCED HOLD PAT 1 MAX TEMPLATE FROM 7 TO 6.
CHANGED HOLD PAT 1 CONTROLLING OBSTRUCTION FROM 463 AAO 414500.00N/0710012.00W 2C TO 419 STACK (25-000467) 414807.00N/0704715.00W 3C.
CHANGED HOLDING CRS INBOUND FROM 318.75 TO 318.76 AND RAD/CRS/BRG FROM 138.75 TO 138.76.

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:

QUALITY
39
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: REPOY

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 414922.80N/0710200.84W

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 32

FAC

PAT

AIRPORT IDENT
1B9

CITY
MANSFIELD

STATE
MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 12/01/2022

REASON FOR REVISION:

REMOVED WP RAYNM FROM FIX MAKE-UP FACILITIES.
UPDATED FIX USE ENTRY TO CURRENT STANDARD.

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:

QUALITY
39
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SAVLE

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 415747.60N/0705446.11W

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) RWY 32

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	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:

QUALITY
39
CHECKED

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	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	AIRSPACE	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					(US)
EN ROUTE	V3	1, 2, 3	1			(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: AVJ-A423

NAME: ALLAN WILL

SIGNATURE:

QUALITY
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CHECKED