

RADIO FIX AND HOLDING DATA RECORD

NAME: BARNES VORTAC STATE: MA COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 420943.05N/0724258.32W TYPE:

AIRSPACE DOCKET: 20-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	MAA
1	BARNES	BAF	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	E	BAF	VORTAC	094.75	274.75	L	1		4000	45000	4	29

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	421109.00N/0724742.00W	1306	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC CONTROL REQUESTED TO PROTECT SECTOR BOUNDARIES

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S).

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 FACILITY MAG VAR: 14W 1980.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRADLEY			KBDL	WINDSOR LOCKS	CT (US)
DP	HANSCOM			KBED	BEDFORD	MA (US)
DP	BEVERLY			KBVY	BEVERLY	MA (US)
DP	BLZZR (RNAV)			KBOS	BOSTON	MA (US)
DP	LOGAN			KBOS	BOSTON	MA (US)
DP	REVSS (RNAV)			KBOS	BOSTON	MA (US)
DP	WYLYY (RNAV)			KBOS	BOSTON	MA (US)
DP	LAWRENCE			KLWM	LAWRENCE	MA (US)
DP	NORWOOD			KOWD	NORWOOD	MA (US)
DP	NUBLE (RNAV)			KPWM	PORTLAND	ME (US)
DP	PPOINT (RNAV)			KMHT	MANCHESTER	NH (US)
EN ROUTE	Q406					(US)
EN ROUTE	Q448					(US)
EN ROUTE	Q480					(US)
EN ROUTE	T314					(US)
EN ROUTE	V146					(US)
EN ROUTE	V292					(US)
EN ROUTE	V405					(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		1	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	VOR/DME-B			K7B2	NORTHAMPTON	MA (US)
IAP	ILS OR LOC RWY 20			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
IAP	VOR OR TACAN RWY 2			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
IAP	VOR RWY 20			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
IAP	RNAV (GPS) RWY 11			KORH	WORCESTER	MA (US)
STAR	NOBBI			KDXR	DANBURY	CT (US)
STAR	STELA			KHFD	HARTFORD	CT (US)
STAR	STELA			KBDL	WINDSOR LOCKS	CT (US)
STAR	HYPER (RNAV)			KHEF	WASHINGTON	DC (US)
STAR	HYPER (RNAV)			KIAD	WASHINGTON	DC (US)
STAR	STELA			KCEF	SPRINGFIELD/CHICOPEE	MA (US)
STAR	STELA			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
STAR	STELA			KORH	WORCESTER	MA (US)
STAR	FLOSI (RNAV)			KEWR	NEWARK	NJ (US)
STAR	SHAFF			KEWR	NEWARK	NJ (US)
STAR	NOBBI			KLGA	NEW YORK	NY (US)
STAR	NOBBI			KHPN	WHITE PLAINS	NY (US)
STAR	HYPER (RNAV)			KCJR	CULPEPER	VA (US)
STAR	HYPER (RNAV)			KEZF	FREDERICKSBURG	VA (US)
STAR	HYPER (RNAV)			KFRR	FRONT ROYAL	VA (US)
STAR	HYPER (RNAV)			KJYO	LEESBURG	VA (US)
STAR	HYPER (RNAV)			KNYG	QUANTICO	VA (US)

STAR	HYPER (RNAV)	KRMN	STAFFORD	VA (US)
STAR	HYPER (RNAV)	KHWY	WARRENTON	VA (US)
STAR	HYPER (RNAV)	KOKV	WINCHESTER	VA (US)
STAR	HYPER (RNAV)	KMRB	MARTINSBURG	WV (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: 20

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

AIRSPACE DOCKET: CHANGED 18-AEA-16 TO 20-AEA-10.

REMARKS: REMOVED CONTROLLER LOW ADDED PER ATC REQUEST - NOT NECESSARY.

FIX USE: ADDED T314. REMOVED V106. REMOVED (ALT MISSED APPROACH) FROM KBDL ILS OR LOC RWY 24 AND ILS RWY 24 (SA CAT I-II). REMOVED KMHT POPPP STAR.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** BARRY SMITH

APPROVED BY: **DATE:** **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

DISTRIBUTION: **NFDC**
 FPO: EST
 ARTCC: ZBW
 ATC FACILITY: BDL APP CON
 OTHER: HQ AFRC/DOVA

RADIO FIX AND HOLDING DATA RECORD

NAME: CHESTER VOR/DME

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 421728.75N/0725657.82W

TYPE:

AIRSPACE DOCKET: 20-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 FEET	MAA
1	CHESTER	CTR	VOR/DME	L						17500

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	E	CTR	VOR/DME	095.00	275.00	R	1		4000	10000	4	12
2	E		WP	095.00	275.00	R		4	4000	10000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	421518.00N/0725912.00W	1982	2C
1	310	AAO	422436.00N/0730221.00W	2428	4E
2	200	AAO	422142.00N/0730100.00W	2011	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 20	KBAF	WESTFIELD/SPRINGFIELD	MA (US)
1	VOR RWY 20	KBAF	WESTFIELD/SPRINGFIELD	MA (US)
1	HI-ILS OR LOC RWY 20	KBAF	WESTFIELD/SPRINGFIELD	MA (US)

REMARKS:

ASSIGNED FACILITY MAG VAR: 13W/1965.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRADLEY			KBDL	WINDSOR LOCKS	CT (US)
DP	HANSCOM			KBED	BEDFORD	MA (US)
DP	BEVERLY			KBVY	BEVERLY	MA (US)
DP	BLZZR (RNAV)			KBOS	BOSTON	MA (US)
DP	LOGAN			KBOS	BOSTON	MA (US)
DP	REVSS (RNAV)			KBOS	BOSTON	MA (US)
DP	WYLYY (RNAV)			KBOS	BOSTON	MA (US)
DP	LAWRENCE			KLWM	LAWRENCE	MA (US)
DP	NORWOOD			KOWD	NORWOOD	MA (US)
DP	STEWART			KSWF	NEW YORK	NY (US)
EN ROUTE	V146					(US)
EN ROUTE	V270					(US)
IAP	RNAV (GPS) RWY 15			KBDL	WINDSOR LOCKS	CT (US)
IAP	RNAV (GPS) RWY 14			K7B2	NORTHAMPTON	MA (US)
IAP	VOR/DME-B		1	K7B2	NORTHAMPTON	MA (US)
IAP	LOC RWY 26			KPSF	PITTSFIELD	MA (US)
IAP	RNAV (GPS) RWY 26			KPSF	PITTSFIELD	MA (US)
IAP	HI-ILS OR LOC RWY 20		1	KBAF	WESTFIELD/SPRINGFIELD	MA (US)
IAP	ILS OR LOC RWY 20		1	KBAF	WESTFIELD/SPRINGFIELD	MA (US)
IAP	RNAV (GPS) RWY 20		2	KBAF	WESTFIELD/SPRINGFIELD	MA (US)
IAP	VOR OR TACAN RWY 2			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
IAP	VOR RWY 20		1	KBAF	WESTFIELD/SPRINGFIELD	MA (US)
IAP	RNAV (GPS) RWY 1			K4B0	SOUTH BETHLEHEM	NY (US)
IAP	RNAV (GPS) RWY 1			K4V8	WEST DOVER	VT (US)
STAR	BRIDGEPORT			KBDR	BRIDGEPORT	CT (US)
STAR	DENNA			KBDR	BRIDGEPORT	CT (US)
STAR	NOBBI			KDXR	DANBURY	CT (US)
STAR	VALRE			KDXR	DANBURY	CT (US)
STAR	STELA			KHFD	HARTFORD	CT (US)
STAR	BRIDGEPORT			KHVN	NEW HAVEN	CT (US)
STAR	DENNA			KHVN	NEW HAVEN	CT (US)
STAR	BRIDGEPORT			KOXC	OXFORD	CT (US)
STAR	DENNA			KOXC	OXFORD	CT (US)
STAR	STELA			KBDL	WINDSOR LOCKS	CT (US)
STAR	GARDNER			KBOS	BOSTON	MA (US)
STAR	STELA			KCEF	SPRINGFIELD/CHICOPEE	MA (US)
STAR	STELA			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
STAR	STELA			KORH	WORCESTER	MA (US)
STAR	PAWLING			KFRG	FARMINGDALE	NY (US)
STAR	LOVES			KISP	NEW YORK	NY (US)
STAR	PAWLING			KJFK	NEW YORK	NY (US)

STAR	HAARP	KLGA	NEW YORK	NY (US)
STAR	NOBBI	KLGA	NEW YORK	NY (US)
STAR	NOBBI	KHPN	WHITE PLAINS	NY (US)
STAR	VALRE	KHPN	WHITE PLAINS	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 23

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. AIRSPACE DOCKET: ADDED 20-AEA-10.
2. FIX USE: DELETED V39 AND V93 - UCA VOR MON.
3. FIX USE: UPDATED KSWF CITY FROM NEWBURGH TO NEW YORK AND KISP FROM ISLIP TO NEW YORK.
4. REQUIRED CHARTING: DELETED MILITARY IAP.
5. HOLDING: CHANGED PAT 1 MAX TEMPLATE FROM 11 TO 12 - IAW 8260.3 TABLE 17-7-1.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** SHANE FOWLER

APPROVED BY: **DATE:** **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZBW
ATC FACILITY: ALB APP CON, BDL APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: GARDNER VOR/DME

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 423245.32N/0720329.48W

TYPE:

AIRSPACE DOCKET: 20-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	FEET	MRA	MAA
1	GARDNER	GDM	VOR/DME	L							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	NW	GDM	VOR/DME	298.00	118.00	L	1		4000	17500	4	16
2	W	GDM	VOR/DME	276.81	096.81	R	1		3000	6000	4	5
3	NW	GDM	VOR/DME	293.78	113.78	L	1		7000	29000	8	22
4	SW	WP	WP	202.91	022.91	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	423245.00N/0721018.00W	1595	4E
2	200	AAO	423245.00N/0721018.00W	1595	4E
2	310	AAO	422921.00N/0715312.00W	2215	4E
3	230	AAO	423245.00N/0721018.00W	1595	4E
4	200	AAO	423057.00N/0720248.00W	1569	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	VOR-A	KGDM	GARDNER	MA (US)

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRADLEY			KBDL	WINDSOR LOCKS	CT (US)
DP	TAKEOFF MINIMUMS			KAFN	JAFFREY	NH (US)
DP	MANCHESTER			KMHT	MANCHESTER	NH (US)
DP	PEASE			KPSM	PORTSMOUTH	NH (US)
DP	TANKER			KPSM	PORTSMOUTH	NH (US)
DP	ALBANY			KALB	ALBANY	NY (US)
EN ROUTE	Q935					(US)
EN ROUTE	T314					(US)
EN ROUTE	T315					(US)
EN ROUTE	T393					(US)
EN ROUTE	T608					(US)
EN ROUTE	V431					(US)
IAP	ILS OR LOC RWY 11			KBED	BEDFORD	MA (US)
IAP	ILS OR LOC RWY 29			KBED	BEDFORD	MA (US)
IAP	ILS OR LOC RWY 27			KBOS	BOSTON	MA (US)
IAP	ILS OR LOC/DME RWY 15R			KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) RWY 15R			KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) RWY 14			KFIT	FITCHBURG	MA (US)
IAP	VOR-A		2	KGDM	GARDNER	MA (US)
IAP	LOC RWY 35			KOWD	NORWOOD	MA (US)
IAP	VOR-A			KORE	ORANGE	MA (US)
IAP	VOR/DME-B			K3B0	SOUTHBRIDGE	MA (US)
IAP	RNAV (GPS) RWY 21			K6B6	STOW	MA (US)
IAP	ILS OR LOC RWY 20			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
IAP	ILS OR LOC RWY 11			KORH	WORCESTER	MA (US)
IAP	ILS OR LOC RWY 29			KORH	WORCESTER	MA (US)
IAP	ILS RWY 11 (CAT II & III)			KORH	WORCESTER	MA (US)
IAP	RNAV (GPS) RWY 33			KORH	WORCESTER	MA (US)
IAP	VOR/DME RWY 33			KORH	WORCESTER	MA (US)
IAP	RNAV (GPS)- B		4	KAFN	JAFFREY	NH (US)
IAP	VOR-A			KAFN	JAFFREY	NH (US)
IAP	ILS OR LOC RWY 2			KEEN	KEENE	NH (US)
IAP	ILS OR LOC RWY 6			KMHT	MANCHESTER	NH (US)
STAR	GRAYM			KBED	BEDFORD	MA (US)
STAR	GRAYM			KBVY	BEVERLY	MA (US)
STAR	GARDNER		3	KBOS	BOSTON	MA (US)
STAR	GRAYM			KFIT	FITCHBURG	MA (US)
STAR	GRAYM			KLWM	LAWRENCE	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 34

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. ADDED DOCKET # 20-AEA-10
2. REMOVED V106, V14, V2, V229, AND V39 FROM FIX USE - CANCELED AS PART OF VOR MON PROJECTS
3. ADDED T314, T315, AND T608 TO FIX USE
4. REMOVED POPPP STAR FROM FIX USE - EEN VOR MON

02/09/21: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 01/28/21.

1. REMOVED KEEN RNAV (GPS) RWY 2 AND KEEN VOR RWY 2 FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: KELLIE BARNES

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

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

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: 20-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						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	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.

REMARKS:

PRECIPITIOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 13W (1970).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	COASTAL			KHFD	HARTFORD	CT (US)
DP	BRADLEY			KBDL	WINDSOR LOCKS	CT (US)
DP	COASTAL			KBDL	WINDSOR LOCKS	CT (US)
DP	COASTAL			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
DP	BETTE			KJFK	NEW YORK	NY (US)
DP	GREKI			KJFK	NEW YORK	NY (US)
DP	HAPIE			KJFK	NEW YORK	NY (US)
DP	MERIT			KJFK	NEW YORK	NY (US)
DP	SKORR (RNAV)			KJFK	NEW YORK	NY (US)
DP	STEWART			KSWF	NEWBURGH	NY (US)
DP	DUTCHESS			KPOU	POUGHKEEPSIE	NY (US)
EN ROUTE	J42					(US)
EN ROUTE	T315					(US)
EN ROUTE	V1					(US)
EN ROUTE	V167					(US)
EN ROUTE	V229					(US)
EN ROUTE	V3					(US)
EN ROUTE	V58					(US)
EN ROUTE	V99					(US)
EN ROUTE	T216					CT (US)
IAP	RNAV (GPS) RWY 17			KSNC	CHESTER	CT (US)
IAP	VOR-A			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	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	VALRE			KDXR	DANBURY	CT (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			K1B9	MANSFIELD	MA (US)
STAR	WOONS			KGHG	MARSHFIELD	MA (US)
STAR	WOONS			KOWD	NORWOOD	MA (US)

STAR VALRE KHPN WHITE PLAINS NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 25

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 20-AEA-10.
FIX USE: ADDED T315.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BDL APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: KEENE VORTAC **STATE:** NH **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 424739.40N/0721730.40W **TYPE:**

AIRSPACE DOCKET: 20-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 FEET	MAA
1	KEENE	EEN	VORTAC	L						17500

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	SW	EEN	VORTAC	203.80	023.80	L	1	2900 6000	4 5
2	NE	EEN	VORTAC	035.00	215.00	R	1	4400 6000	5 13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	424721.00N/0721248.00W	1854	4E
2	200	AAO	424721.00N/0721218.00W	2090	4E
2	310	AAO	425142.00N/0720630.00W	3334	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	TAKEOFF MINIMUMS	KEEN	KEENE	NH (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKEOFF MINIMUMS		2	KEEN	KEENE	NH (US)
IAP	RNAV (GPS) RWY 14			KFIT	FITCHBURG	MA (US)
IAP	VOR-A	1		KORE	ORANGE	MA (US)
IAP	VOR-A			KAFN	JAFFREY	NH (US)
IAP	RNAV (GPS) RWY 5			KVSF	SPRINGFIELD	VT (US)
STAR	CDOGG (RNAV)			KPWM	PORTLAND	ME (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 24

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

- AIRSPACE DOCKET: CHANGED FROM 19-ANE-8 TO 20-AEA-10.
- FIX USE: REMOVED T295, V93, V229, V431, KBDL DP BRADLEY, KMHT STAR POPPP, KBAF IAP ILS OR LOC RWY 20, KEEN IAP ILS OR LOC RWY 2, KEEN IAP RNAV (GPS) RWY 2, AND KEEN IAP VOR RWY 2, AND CHANGED KEEN DP TAKEOFF MINIMUMS PAT USE FROM PAT 4 TO PAT 2.
- DISTRIBUTION: CHANGED FROM FPO: ATL TO FPO: EST.
- UPDATED HOLDING PATTERNS: REMOVED PAT 2 AND 3, AND CHANGED PAT 4 TO PAT 2.
- CONTROLLING OBSTRUCTIONS: REMOVED PAT 2 OBS AND PAT 3 OBS, AND CHANGED PAT 4 OBS PAT 2 OBS.
- PROCEDURES REQUIRING CLIMB-IN-HOLD: CHANGED PAT 4 TO PAT 2.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** DEAN GRACEY

APPROVED BY: **DATE:** **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: NORWICH VOR/DME STATE: CT COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 413323.05N/0715957.67W TYPE:
 AIRSPACE DOCKET: 20-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	FEET	MRA	MAA
1	NORWICH	ORW	VOR/DME	L							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	S	ORW	VOR/DME	158.00	338.00	R	1	2600 6000	4 5
2	SW	ORW	VOR/DME	238.00	058.00	L	1	2500 17500	4 16
3	S		WP	158.00	338.00	R		2600 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (09-000114)	412738.88N/0715544.21W	785	1D
2	200	TOWER (09-000073)	413113.00N/0721001.00W	999	2D
3	200	TOWER (09-000114)	412738.88N/0715544.21W	785	1D

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:

ORW VOR/DME CHARTED ON HIGH ENROUTE FOR REFERENCE ONLY.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGVAR: 14W (1980).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRADLEY			KBDL	WINDSOR LOCKS	CT (US)
DP	NUBLE (RNAV)			KPWM	PORTLAND	ME (US)
EN ROUTE	V130					(US)
EN ROUTE	V16		2			(US)
EN ROUTE	V308					(US)
EN ROUTE	V475					(US)
IAP	ILS OR LOC RWY 5			KGON	GROTON/NEW LONDON	CT (US)
IAP	RNAV (GPS) RWY 23			KGON	GROTON/NEW LONDON	CT (US)
IAP	LDA RWY 2			KHFD	HARTFORD	CT (US)
IAP	VOR-A			KHFD	HARTFORD	CT (US)
IAP	RNAV (GPS) RWY 27		3	KIJD	WILLIMANTIC	CT (US)
IAP	RNAV (GPS) RWY 9			KIJD	WILLIMANTIC	CT (US)
IAP	VOR-A		1	KIJD	WILLIMANTIC	CT (US)
IAP	ILS OR LOC RWY 33			KBDL	WINDSOR LOCKS	CT (US)
IAP	RNAV (GPS) RWY 33			KBDL	WINDSOR LOCKS	CT (US)
IAP	ILS OR LOC RWY 16			KOQU	NORTH KINGSTOWN	RI (US)
IAP	VOR RWY 34			KOQU	NORTH KINGSTOWN	RI (US)
IAP	LOC RWY 5			KSFZ	PAWTUCKET	RI (US)
IAP	RNAV (GPS) RWY 5			KSFZ	PAWTUCKET	RI (US)
IAP	VOR-A			KSFZ	PAWTUCKET	RI (US)
IAP	VOR-B			KSFZ	PAWTUCKET	RI (US)
IAP	ILS OR LOC RWY 23			KPVD	PROVIDENCE	RI (US)
IAP	ILS OR LOC RWY 34			KPVD	PROVIDENCE	RI (US)
IAP	ILS OR LOC RWY 5			KPVD	PROVIDENCE	RI (US)
IAP	ILS RWY 23 (SA CAT I & II)			KPVD	PROVIDENCE	RI (US)
IAP	ILS RWY 5 (CAT II)			KPVD	PROVIDENCE	RI (US)
IAP	ILS RWY 5 (CAT III)			KPVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) RWY 5			KPVD	PROVIDENCE	RI (US)
IAP	VOR RWY 34			KPVD	PROVIDENCE	RI (US)
IAP	VOR RWY 5			KPVD	PROVIDENCE	RI (US)
IAP	VOR/DME RWY 16			KPVD	PROVIDENCE	RI (US)
IAP	VOR/DME RWY 23			KPVD	PROVIDENCE	RI (US)
IAP	VOR/DME RWY 34			KPVD	PROVIDENCE	RI (US)
IAP	LOC RWY 07			KWST	WESTERLY	RI (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	NORWICH			KBOS	BOSTON	MA (US)
STAR	WOONS		2	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	2	K1B9	MANSFIELD	MA (US)
STAR	WOONS	2	KGHG	MARSHFIELD	MA (US)
STAR	DEEPO (RNAV)		KACK	NANTUCKET	MA (US)
STAR	NEWBE		KACK	NANTUCKET	MA (US)
STAR	WIPOR (RNAV)		KEWB	NEW BEDFORD	MA (US)
STAR	WOONS	2	KOWD	NORWOOD	MA (US)
STAR	NELIE (RNAV)		KISP	ISLIP	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: DP, STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 22

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. AIRSPACE DOCKET: ADDED 20-AEA-10.
2. FIX USE: REMOVED V14 AND KMHT DP PPORT (RNAV).

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** DEAN GRACEY

APPROVED BY: **DATE:** **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZBW, ZNY
ATC FACILITY: PVD APP CON, NYC APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: VAPER

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 422532.90N/0722857.43W

TYPE: DME

AIRSPACE DOCKET: 20-AEA-10

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	GARDNER	GDM	VOR/DME	L	263.22	249.22	20.17	20.17		2900	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
DP

USE TITLE
BRADLEY



FAC

PAT

AIRPORT IDENT
KBDL

CITY
WINDSOR LOCKS

STATE
CT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. AIRSPACE DOCKET: ADDED 20-AEA-10.
2. FIX TYPE: DELETED INT.
3. FIX MAKE-UP: FAC 1 MAG/TRUE BRG CHANGED FROM 263.21/249.21 TO 263.22/249.22.
4. FIX MAKE-UP: DELETED FAC 2 - EEN VOR MON.
5. FIX USE: DELETED V39 - UCA VOR MON.
6. REQUIRED CHARTING: CHANGED CONTROLLER TO CONTROLLER LOW.
7. DISTRIBUTION: ATC FACILITY: CHANGED BDL/BAF TO BDL APP CON, BAF APP CON.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: SHANE FOWLER

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BDL APP CON, BAF APP CON

OTHER: