

RADIO FIX AND HOLDING DATA RECORD

NAME: BURLINGTON VOR/DME

STATE: VT

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 442349.58N/0731057.49W

TYPE:

AIRSPACE DOCKET: 19-ANE-8

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	BURLINGTON	BTV	VOR/DME	L						17500

FIX RESTRICTIONS:

MCA V229 3100 SOUTHEAST BOUND

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	BTV	VOR/DME	216.00	036.00	L	1	2800 8000	8 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	AAO	441739.00N/0732527.00W	1365	4E
1	310	AAO	442115.00N/0730321.00W	1739	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 TERRAIN AVOIDANCE

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC/DME RWY 33	KBTV	BURLINGTON	VT (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 265K PATTERN EVALUATED FOR MILITARY USE.
 MAGVAR: 15W/2005.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANGOR			KBGR	BANGOR	ME (US)
DP	PORTLAND			KPWM	PORTLAND	ME (US)
DP	ALBANY			KALB	ALBANY	NY (US)
EN ROUTE	T393					(US)
EN ROUTE	V229					(US)
EN ROUTE	V487					(US)
IAP	ILS OR LOC RWY 35			KPBG	PLATTSBURGH	NY (US)
IAP	RNAV (GPS) RWY 17			KPBG	PLATTSBURGH	NY (US)
IAP	RNAV (GPS) RWY 35			KPBG	PLATTSBURGH	NY (US)
IAP	ILS OR LOC RWY 23			KSLK	SARANAC LAKE	NY (US)
IAP	ILS OR LOC RWY 17			KMPV	BARRE/MONTPELIER	VT (US)
IAP	RNAV (GPS) RWY 17			KMPV	BARRE/MONTPELIER	VT (US)
IAP	RNAV (GPS) RWY 35			KMPV	BARRE/MONTPELIER	VT (US)
IAP	ILS OR LOC/DME RWY 33		1	KBTV	BURLINGTON	VT (US)
IAP	VOR RWY 01			KBTV	BURLINGTON	VT (US)
IAP	RNAV (GPS) RWY 1			KFSO	HIGHGATE	VT (US)
IAP	VOR/DME RWY 19			KFSO	HIGHGATE	VT (US)
IAP	ILS Y OR LOC Y RWY 19			KRUT	RUTLAND	VT (US)
IAP	ILS Z OR LOC Z RWY 19			KRUT	RUTLAND	VT (US)
IAP	RNAV (GPS) Y RWY 19			KRUT	RUTLAND	VT (US)
IAP	RNAV (GPS) Z RWY 19			KRUT	RUTLAND	VT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 24

DATE OF REVISION: 02/25/2021

REASON FOR REVISION:

AIRSPACE DOCKET: CHANGED 19-ANE-5 TO 19-ANE-8.
 FIX RESTRICTIONS: REMOVED V141 AND V151 MCA FLAGS.
 FIX USE: REMOVED V141 AND V151. REMOVED KBTV BURLINGTON DP AND ILS OR LOC/DME RWY 15 IAP.

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: BTV 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: 19-ANE-8

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: 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	SW	EEN	VORTAC	203.80	023.80	L	1		2900	6000	4	5
2	N		WP	011.00	191.00	R		4	3000	6000	5	6
3	N	EEN	VORTAC	011.00	191.00	R	1		3000	6000	4	5
4	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/0721224.00W	1989	4E
3	200	AAO	424721.00N/0721248.00W	1854	4E
4	200	AAO	424721.00N/0721218.00W	2090	4E
4	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
4	TAKEOFF MINIMUMS	KEEN	KEENE	NH (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRADLEY			KBDL	WINDSOR LOCKS	CT (US)
DP	TAKEOFF MINIMUMS		4	KEEN	KEENE	NH (US)
EN ROUTE	T295					(US)
EN ROUTE	V229					(US)
EN ROUTE	V431					(US)
EN ROUTE	V93					(US)
IAP	RNAV (GPS) RWY 14			KFIT	FITCHBURG	MA (US)
IAP	VOR-A	1		KORE	ORANGE	MA (US)
IAP	ILS OR LOC RWY 20			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
IAP	VOR-A			KAFN	JAFFREY	NH (US)
IAP	ILS OR LOC RWY 2		3	KEEN	KEENE	NH (US)
IAP	RNAV (GPS) RWY 2		2	KEEN	KEENE	NH (US)
IAP	VOR RWY 2		1	KEEN	KEENE	NH (US)
IAP	LOC/DME RWY 5			KVSF	SPRINGFIELD	VT (US)
IAP	RNAV (GPS) RWY 5			KVSF	SPRINGFIELD	VT (US)
STAR	CDOGG (RNAV)			KPWM	PORTLAND	ME (US)
STAR	POPP			KMHT	MANCHESTER	NH (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: 02/25/2021

REASON FOR REVISION:

DELETED MANCHESTER DP (KMHT) FROM FIX USE - VOR MON.
ADDED VOR-A @ KORE TO FIX USE.

08/21/20: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 07/27/20.

1. DELETED V151 AIRWAY FROM FIX USE - LEB VDME VOR MON.

2. ADDED AIRSPACE DOCKET # 19-ANE-8.

3. DELETED BURLINGTON DP AT KBTU FROM FIX USE.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A431	NAME: ROBERT GRIM
APPROVED BY:	DATE:	OFFICE: AJV-A430	NAME: GEORGE DAVIS
	SIGNATURE:		
DISTRIBUTION:	NFDC FPO: EST ARTCC: ZBW ATC FACILITY: BOS APP CON OTHER:		

RADIO FIX AND HOLDING DATA RECORD

NAME: LEBANON VOR/DME **STATE:** NH **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 434043.88N/0721257.87W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA FEET	MAA
1	LEBANON	LEB	VOR/DME	L						17500

HOLDING: **HOLDING TYPE OF ACTION:** CANCEL

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	NE	LEB	VOR/DME	066.39	246.39	R	1		4500	6000	5	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	434927.00N/0720206.00W	3419	4E
1	310	AAO	434931.62N/0720217.57W	3438	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR RWY 7	KLEB	LEBANON	NH (US)
1	ILS OR LOC RWY 18	KLEB	LEBANON	NH (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
MAG VAR 15W EPOCH YEAR 1980.
PAT 1 200K OBSTACLE LOCATED 6185 FT INTO SECONDARY - PRIMARY EQUIVALENT 2665 FT.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKEOFF MINIMUMS			K5B9	HAVERHILL	NH (US)
DP	MANCHESTER			KMHT	MANCHESTER	NH (US)
DP	PEASE			KPSM	PORTSMOUTH	NH (US)
DP	TANKER			KPSM	PORTSMOUTH	NH (US)
DP	BURLINGTON			KBTV	BURLINGTON	VT (US)
EN ROUTE	V141					(US)
EN ROUTE	V151					(US)
EN ROUTE	V496					(US)
EN ROUTE	V542					(US)
IAP	NDB-A			KCNH	CLAREMONT	NH (US)
IAP	RNAV (GPS) RWY 12			KCON	CONCORD	NH (US)
IAP	RNAV (GPS) RWY 17			KCON	CONCORD	NH (US)
IAP	RNAV (GPS) - C			KAFN	JAFFREY	NH (US)
IAP	ILS OR LOC RWY 8			KLCI	LACONIA	NH (US)
IAP	ILS OR LOC RWY 18		1	KLEB	LEBANON	NH (US)
IAP	VOR RWY 25		1	KLEB	LEBANON	NH (US)
IAP	VOR RWY 7		1	KLEB	LEBANON	NH (US)
IAP	RNAV (GPS) RWY 35			KMPV	BARRE/MONTPELIER	VT (US)
IAP	ILS Y OR LOC Y RWY 19			KRUT	RUTLAND	VT (US)
IAP	ILS Z OR LOC Z RWY 19			KRUT	RUTLAND	VT (US)
IAP	LOC/DME RWY 5			KVSF	SPRINGFIELD	VT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19 **DATE OF REVISION:** 08/13/2020

REASON FOR REVISION:

DELETED VOR RWY 35 (KMPV) FROM FIX USE.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** THERON CYRUS

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

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: LEB ATCT
OTHER:

SPECIALIST WILL ADD BACK BURLINGTON KBTW AT KBTW

RADIO FIX AND HOLDING DATA RECORD

NAME: MONTPELIER VOR/DME

STATE: VT

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 440507.74N/0722657.76W

TYPE:

AIRSPACE DOCKET: 19-ANE-8

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	MONTPELIER	MPV	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 TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	N	MPV	VOR/DME	340.00	160.00	R	1		4000	14000	4	10
2	N		WP	345.46	165.46	R		5	5200	14000	6	11
3	N	MPV	VOR/DME	345.46	165.46	R	1		5200	14000	5	10
4	N		WP	001.95	181.95	R		5	5100	14000	6	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	440845.00N/0723709.00W	2651	4E
2	200	AAO	440845.00N/0723709.00W	2651	4E
2	310	AAO	441100.00N/0722021.00W	3360	4E
3	200	AAO	440845.00N/0723709.00W	2651	4E
3	310	AAO	441100.00N/0722030.00W	3286	4E
4	200	AAO	440751.00N/0722212.00W	2661	4E
4	310	AAO	442406.00N/0723836.00W	3803	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
2	310	200
2	200	110
3	310	200
4	200	110
4	310	160

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	RNAV (GPS) RWY 17	KMPV	BARRE/MONTPELIER	VT (US)
3	ILS OR LOC RWY 17	KMPV	BARRE/MONTPELIER	VT (US)
4	RNAV (GPS) RWY 35	KMPV	BARRE/MONTPELIER	VT (US)

REMARKS:

PRECIPITOUS TERRAIN ELEVATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 16W/1985.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PORTLAND			KPWM	PORTLAND	ME (US)
DP	TAKEOFF MINIMUMS			KMPV	BARRE/MONTPELIER	VT (US)
EN ROUTE	T393					(US)
EN ROUTE	V447					(US)
IAP	RNAV (GPS) RWY 19			K5B9	HAVERHILL	NH (US)
IAP	ILS OR LOC RWY 18		1	KLEB	LEBANON	NH (US)
IAP	RNAV (GPS) RWY 25			KLEB	LEBANON	NH (US)
IAP	RNAV (GPS) RWY 7			KLEB	LEBANON	NH (US)
IAP	RNAV (GPS) Y RWY 10			KHIE	WHITEFIELD	NH (US)
IAP	RNAV (GPS) Z RWY 10			KHIE	WHITEFIELD	NH (US)
IAP	ILS OR LOC RWY 17		3	KMPV	BARRE/MONTPELIER	VT (US)
IAP	RNAV (GPS) RWY 17		2	KMPV	BARRE/MONTPELIER	VT (US)
IAP	RNAV (GPS) RWY 35		4	KMPV	BARRE/MONTPELIER	VT (US)
IAP	ILS OR LOC/DME RWY 33			KBTW	BURLINGTON	VT (US)
IAP	RNAV (GPS) RWY 2			KCDA	LYNDONVILLE	VT (US)
IAP	RNAV (GPS)-A			KMVL	MORRISVILLE	VT (US)
IAP	ILS Y OR LOC Y RWY 19			KRUT	RUTLAND	VT (US)
IAP	ILS Z OR LOC Z RWY 19			KRUT	RUTLAND	VT (US)
IAP	RNAV (GPS) Y RWY 19			KRUT	RUTLAND	VT (US)
IAP	RNAV (GPS) Z RWY 19			KRUT	RUTLAND	VT (US)

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

COMPULSORY REPORTING POINT: NO

RADIO FIX AND HOLDING DATA RECORD

NAME: MASSENA VORTAC STATE: NY COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 445451.92N/0744321.78W TYPE:

AIRSPACE DOCKET: 19-ANE-8 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	MASSENA	MSS	VORTAC	H						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	NW	MSS	VORTAC	296.15	116.15	R	1		2000	14000	4	10
2	W	MSS	VORTAC	271.00	091.00	L	1		2000	45000	4	29
3	SE		WP	120.00	300.00	R		4	1900	6000	4	6
4	W		WP	271.00	091.00	L		4	2000	45000	4	29

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (36-001951)	445550.72N/0745648.46W	580	2C
2	200	TOWER (36-000118)	445410.85N/0745300.65W	570	1A
3	200	AAO	445045.00N/0743503.00W	594	4E
4	200	TOWER (36-000118)	445410.85N/0745300.65W	570	1A

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST
 PAT 4 ATC REQUEST

HOLDING RESTRICTIONS:

PAT 1, 2 AND 4 HOLDING PATTERNS FOR ATC USE.

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V203					(US)
EN ROUTE	V29					(US)
IAP	RNAV (GPS) RWY 5			KMAL	MALONE	NY (US)
IAP	RNAV (GPS) RWY 23			KMSS	MASSENA	NY (US)
IAP	RNAV (GPS) RWY 27		3	KMSS	MASSENA	NY (US)
IAP	RNAV (GPS) RWY 9		3	KMSS	MASSENA	NY (US)
IAP	RNAV (GPS) RWY 27			KOGS	OGDENSBURG	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 02/25/2021

REASON FOR REVISION:

AIRSPACE DOCKET: CHANGED 19-ASO-27 TO 19-ANE-8.
 FIX USE: REMOVED V141 AND KBTV BURLINGTON DP.
 REQUIRED CHARTING: REMOVED DP.

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:
 OTHER:

RECORD REVISION NUMBER: 18

DATE OF REVISION: 02/25/2021

REASON FOR REVISION:

AIRSPACE DOCKET: CHANGED 19-ANE-5 TO 19-ANE-8.

REMARKS: CHANGED MAG VAR 16W, EPOCH YEAR 1985 TO ASSIGNED FACILITY MAGVAR: 16W/1985.

FIX USE: REMOVED V151. REMOVED KBTB BURLINGTON DP AND ILS OR LOC/DME RWY 15 IAP. REMOVED KLEB VOR RWY 7 IAP.

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

AJV-A423

NAME: BARRY SMITH**APPROVED BY:****DATE:****OFFICE:****NAME:** MARLON ROBINSON**SIGNATURE:****DISTRIBUTION:****NFDC****FPO:** EST**ARTCC:** ZBW**ATC FACILITY:** BTV APP CON**OTHER:**