

RADIO FIX AND HOLDING DATA RECORD

NAME: BOSTON VOR/DME STATE: MA COUNTRY: US ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 422126.82N/0705922.37W

TYPE:

INFO ONLY

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	MAA
1	BOSTON	BOS	VOR/DME	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	NE	BOS	VOR/DME	030.00	210.00	R	1 1/2	18000 40000	16 27

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

HOLDING PAT 1 ATC REQUEST.
ASSIGNED FACILITY MAGVAR: 16W/1995.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LOGAN			KBOS	BOSTON	MA (US)
DP	PEASE			KPSM	PORTSMOUTH	NH (US)
DP	TANKER			KPSM	PORTSMOUTH	NH (US)
EN ROUTE	J42					(US)
EN ROUTE	J55					(US)
EN ROUTE	Q75					(US)
EN ROUTE	Q935					(US)
EN ROUTE	V1					(US)
EN ROUTE	V141					(US)
EN ROUTE	V16					(US)
EN ROUTE	V270					(US)
EN ROUTE	V292					(US)
EN ROUTE	V3					(US)
IAP	VOR-A			KBOS	BOSTON	MA (US)
IAP	ILS OR LOC RWY 15			KHYA	HYANNIS	MA (US)
IAP	RNAV (GPS) RWY 15			KHYA	HYANNIS	MA (US)
IAP	ILS OR LOC RWY 5			KLWM	LAWRENCE	MA (US)
IAP	RNAV (GPS) RWY 5			KLWM	LAWRENCE	MA (US)
IAP	RNAV (GPS) RWY 24			KGHG	MARSHFIELD	MA (US)
IAP	RNAV (GPS) RWY 6			KGHG	MARSHFIELD	MA (US)
IAP	RNAV (GPS) RWY 23			KSFZ	PAWTUCKET	RI (US)
STAR	GARDNER			KBOS	BOSTON	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 20

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

1. CHANGED VOR/DME-A TO VOR-A AT KBOS.
2. REMOVED AIRSPACE DOCKET 19-ASO-18
3. ADDED PEASE AND TANKER DP TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: TYLER MITCHELL

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: CAMBRIDGE VOR/DME STATE: NY COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 425939.44N/0732038.47W TYPE:

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	CAMBRIDGE	CAM	VOR/DME	L						17500

FIX RESTRICTIONS:

MCA V123 4500 NORTHBOUND

INFO ONLY

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 DME MIN MAX	TEMPLATES MIN MAX
1	N	CAM	VOR/DME	016.00	196.00	R	1	4000 17500	4 16
2	E	CAM	VOR/DME	108.28	288.28	R	1	6000 17500	5 16
3	N	CAM	VOR/DME	340.19	160.19	R	1	3600 17500	4 16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	430309.00N/0731324.00W	3307	4E
2	200	AAO	425830.00N/0730709.00W	3606	4E
3	200	AAO	430121.00N/0731633.00W	1962	4E
3	310	AAO	430309.00N/0731324.00W	3307	4E

HOLDING RESTRICTIONS:

PATTERNS 1 AND 2 FOR ATC USE ONLY.
 HOLDING LIMITED TO ESTABLISHED PATTERNS

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	TAKE-OFF MINIMUMS	KDDH	BENNINGTON	VT (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 PAT 1 CONTROLLING OBSTACLE LIES IN SECONDARY AREA, 10230 FEET FROM EDGE OF PRIMARY.
 FACILITY MAGVAR:14W/1980

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)
DP	BANGOR			KBGR	BANGOR	ME (US)
DP	HSKEL (RNAV)			KPWM	PORTLAND	ME (US)
DP	PORTLAND			KPWM	PORTLAND	ME (US)
DP	MANCHESTER			KMHT	MANCHESTER	NH (US)
DP	PEASE			KPSM	PORTSMOUTH	NH (US)
DP	TANKER			KPSM	PORTSMOUTH	NH (US)
DP	TAKE-OFF MINIMUMS		3	KDDH	BENNINGTON	VT (US)
DP	BURLINGTON			KBTU	BURLINGTON	VT (US)
EN ROUTE	J222					(US)
EN ROUTE	Q822					(US)
EN ROUTE	Q84					(US)
EN ROUTE	V123		3			(US)
EN ROUTE	V447					(US)
EN ROUTE	V487					(US)
EN ROUTE	V490					(US)
EN ROUTE	V542					(US)
IAP	RNAV (GPS) - A			KAQW	NORTH ADAMS	MA (US)
IAP	LOC RWY 26			KPSF	PITTSFIELD	MA (US)
IAP	RNAV (GPS) RWY 26			KPSF	PITTSFIELD	MA (US)
IAP	ILS OR LOC RWY 1		3	KALB	ALBANY	NY (US)
IAP	ILS OR LOC RWY 19		3	KALB	ALBANY	NY (US)
IAP	ILS RWY 1 (SA CAT II)		3	KALB	ALBANY	NY (US)
IAP	RNAV (GPS) RWY 28			KALB	ALBANY	NY (US)
IAP	RNAV (GPS) Y RWY 19			KALB	ALBANY	NY (US)
IAP	ILS OR LOC RWY 1		3	KGFL	GLENS FALLS	NY (US)
IAP	VOR/DME-A			K5B2	SARATOGA SPRINGS	NY (US)
IAP	RNAV (GPS) RWY 22			KSCH	SCHENECTADY	NY (US)
IAP	VOR RWY 13		3	KDDH	BENNINGTON	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) RWY 1			KRUT	RUTLAND	VT (US)

IAP	RNAV (GPS) RWY 1	K4V8	WEST DOVER	VT (US)
STAR	STELA	KHFD	HARTFORD	CT (US)
STAR	STELA	KBDL	WINDSOR LOCKS	CT (US)
STAR	STELA	KCEF	SPRINGFIELD/CHICOPEE	MA (US)
STAR	STELA	KBAF	WESTFIELD/SPRINGFIELD	MA (US)
STAR	STELA	KORH	WORCESTER	MA (US)
STAR	CDOGG (RNAV)	KPWM	PORTLAND	ME (US)
STAR	POPPP	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: 01/30/2020

REASON FOR REVISION:

1. FIX USE: UPDATED KPSF IAP LOC/DME RWY 26 TO LOC RWY 26.
2. FIX USE: REMOVED K5B2 RNAV (GPS) RWY 23.
3. REMARKS: ADDED ASSIGNED FACILITY MAGVAR:14W/1980.
4. CHARTING: ADDED CONTROLLER LOW AND CONTROLLER HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

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

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: CONCORD VOR/DME

STATE: NH

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 431311.23N/0713431.63W

TYPE:

INFO ONLY

AIRSPACE DOCKET: 19-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	FEET	MRA	MAA
1	CONCORD	CON	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	NW	CON	VOR/DME	329.75	149.75	R	1		4000	17500	4	16
2	NW	CON	VOR/DME	298.54	118.54	R	1		3500	14000	4	9
3	NW		WP	329.75	149.75	R		5	5000	10000	6	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	431903.00N/0714236.00W	1080	4E
2	200	AAO	431333.00N/0714803.00W	1257	4E
2	310	AAO	432253.00N/0715127.20W	3140	4E
3	200	AAO	431448.00N/0714745.00W	1221	4E
3	310	AAO	432253.00N/0715127.20W	3140	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	VOR-A	KCON	CONCORD	NH (US)
3	RNAV (GPS) RWY 24	KMHT	MANCHESTER	NH (US)

REMARKS:

PAT 2, 310 KIAS CONTROLLING OBSTACLE LIES IN SECONDARY AREA 10572 FT FROM EDGE OF PRIMARY AREA (PRIMARY EQUIVALENT HEIGHT 2205 MSL).
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 15W (1980).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PORTLAND			KPWM	PORTLAND	ME (US)
DP	MANCHESTER			KMHT	MANCHESTER	NH (US)
DP	PEASE			KPSM	PORTSMOUTH	NH (US)
DP	TANKER			KPSM	PORTSMOUTH	NH (US)
DP	TAKE-OFF MINIMUMS			KDAW	ROCHESTER	NH (US)
EN ROUTE	T295					(US)
EN ROUTE	T395					(US)
EN ROUTE	V141		1			(US)
EN ROUTE	V322					(US)
EN ROUTE	V39					(US)
EN ROUTE	V93					(US)
IAP	ILS OR LOC RWY 11			KPWM	PORTLAND	ME (US)
IAP	ILS RWY 11 (CAT II & III)			KPWM	PORTLAND	ME (US)
IAP	ILS RWY 11 (SA CAT I)			KPWM	PORTLAND	ME (US)
IAP	ILS OR LOC RWY 7			KSFM	SANFORD	ME (US)
IAP	RNAV (GPS) RWY 25			KSFM	SANFORD	ME (US)
IAP	RNAV (GPS) RWY 7			KSFM	SANFORD	ME (US)
IAP	NDB-A			KCNH	CLAREMONT	NH (US)
IAP	ILS OR LOC RWY 35		2	KCON	CONCORD	NH (US)
IAP	RNAV (GPS) RWY 12			KCON	CONCORD	NH (US)
IAP	RNAV (GPS) RWY 17			KCON	CONCORD	NH (US)
IAP	RNAV (GPS) RWY 35			KCON	CONCORD	NH (US)
IAP	VOR-A		2	KCON	CONCORD	NH (US)
IAP	RNAV (GPS) - C			KAFN	JAFFREY	NH (US)
IAP	ILS OR LOC RWY 8			KLCI	LACONIA	NH (US)
IAP	RNAV (GPS) RWY 26			KLCI	LACONIA	NH (US)
IAP	RNAV (GPS) RWY 25			KLEB	LEBANON	NH (US)
IAP	RNAV (GPS) RWY 36			KLEB	LEBANON	NH (US)
IAP	RNAV (GPS) RWY 7			KLEB	LEBANON	NH (US)
IAP	ILS OR LOC RWY 17		1	KMHT	MANCHESTER	NH (US)
IAP	ILS OR LOC RWY 6			KMHT	MANCHESTER	NH (US)
IAP	RNAV (GPS) RWY 24		3	KMHT	MANCHESTER	NH (US)
IAP	RNAV (GPS) RWY 6			KMHT	MANCHESTER	NH (US)
IAP	RNAV (GPS) Y RWY 17			KMHT	MANCHESTER	NH (US)
IAP	ILS OR LOC RWY 14			KASH	NASHUA	NH (US)
IAP	RNAV (GPS) RWY 14			KASH	NASHUA	NH (US)
IAP	ILS OR LOC RWY 16			KPSM	PORTSMOUTH	NH (US)

IAP	ILS OR LOC RWY 34		KPSM	PORTSMOUTH	NH (US)
IAP	NDB RWY 33		KDAW	ROCHESTER	NH (US)
IAP	RNAV (GPS)-A		KDAW	ROCHESTER	NH (US)
IAP	VOR/DME-A	2	KDAW	ROCHESTER	NH (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 24

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

ADDED "AIRSPACE DOCKET: 19-ANE-5".

UPDATED PAT 2 AND PAT 3 CONTROLLING OBSTACLE DATA.

ADDED "EN ROUTE T395" AND "IAP RNAV (GPS)-A KDAW" TO FIX USE.

DELETED "IAP NDB RWY 8 KLCI", "IAP ILS OR LOC RWY 35 KMHT", "IAP ILS OR LOC RWY 35 (SA CAT I) KMHT", AND "IAP ILS OR LOC RWY 35 (CAT II & III) KMHT" FROM FIX USE.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** KELLY CARLSON

APPROVED BY: **DATE:** **OFFICE:** AJV-A430 **NAME:** GEORGE DAVIS

SIGNATURE:

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

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: KENNEBUNK VOR/DME **STATE:** ME **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 432532.42N/0703648.69W **TYPE:**

AIRSPACE DOCKET: 18-AEA-16 **FIX TYPE OF ACTION:** NO CHANGE **INFO ONLY**

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	KENNEBUNK	ENE	VOR/DME	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	NE	ENE	VOR/DME	062.00	242.00	L	1-1 1/2	3000 17500	4 16
2	E	ENE	VOR/DME	082.00	262.00	L	1	2400 6000	4 12
3	W	ENE	VOR/DME	267.54	087.54	R	1	2400 6000	4 5
4	E	ENE	VOR/DME	081.00	261.00	L	1	2000 6000	4 5
5	NE	ENE	VOR/DME	044.00	224.00	L	1 1/2	24000 39000	19 27
6	NE		WP	044.00	224.00	L		17000 45000	30 30
7	NE		WP	062.00	242.00	L		3000 6000	5 13
8	NE		WP	043.00	223.00	L		17000 45000	30 30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	432218.00N/0704009.00W	578	4E
2	200	AAO	432218.00N/0704009.00W	578	4E
2	310	AAO	432303.00N/0704709.00W	926	2C
3	200	AAO	432303.00N/0704709.00W	926	2C
4	200	AAO	432218.00N/0704009.00W	578	4E
6	265	TOWER (23-000419)	435044.24N/0704540.76W	2549	2C
7	200	AAO	432218.00N/0704009.00W	578	4E
7	310	AAO	432748.00N/0704436.00W	804	4E
8	265	TOWER (23-000419)	435044.24N/0704540.76W	2549	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 2 ATC REQUEST
PAT 5 ATC REQUEST
PAT 4 ATC REQUEST
PAT 6 ATC REQUEST
PAT 7 ATC REQUEST
PAT 8 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	ILS OR LOC RWY 7	KSFM	SANFORD	ME (US)
7	RNAV (GPS) RWY 32	KSFM	SANFORD	ME (US)
7	RNAV (GPS) RWY 6	KB19	BIDDEFORD	ME (US)
7	RNAV (GPS) RWY 7	KSFM	SANFORD	ME (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
MAGVAR 17W/1970.
PAT 6 MAG VAR BOS 15W.
PAT 8 MAG VAR JFK 13W.
PAT 6 AND 8 SHARE SAME GROUND TRACK.

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)
DP	BANGOR			KBGR	BANGOR	ME (US)
DP	PORTLAND			KPWM	PORTLAND	ME (US)
DP	MANCHESTER			KMHT	MANCHESTER	NH (US)
DP	PEASE			KPSM	PORTSMOUTH	NH (US)
DP	TANKR			KPSM	PORTSMOUTH	NH (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)

EN ROUTE	J121			(US)
EN ROUTE	J55			(US)
EN ROUTE	J573			(US)
EN ROUTE	Q480			(US)
EN ROUTE	Q822			(US)
EN ROUTE	T295			(US)
EN ROUTE	V106			(US)
EN ROUTE	V139			(US)
EN ROUTE	V167			(US)
EN ROUTE	V496			(US)
EN ROUTE	V93	1		(US)
IAP	ILS OR LOC RWY 4		KLEW	AUBURN/LEWISTON
IAP	HI-ILS Z OR LOC Z RWY 15		KBGR	BANGOR
IAP	HI-VOR/DME OR TACAN RWY 15		KBGR	BANGOR
IAP	HI-VOR/DME OR TACAN RWY 33		KBGR	BANGOR
IAP	RNAV (GPS) RWY 6	7	KB19	BIDDEFORD
IAP	VOR RWY 6	3	KB19	BIDDEFORD
IAP	ILS OR LOC RWY 1R		KBXM	BRUNSWICK
IAP	ILS OR LOC RWY 11	2	KPWM	PORTLAND
IAP	ILS OR LOC RWY 29	2	KPWM	PORTLAND
IAP	ILS RWY 11 (CAT II - III)	2	KPWM	PORTLAND
IAP	ILS RWY 11 (SA CAT I)	2	KPWM	PORTLAND
IAP	ILS RWY 29 (SA CAT I-II)	2	KPWM	PORTLAND
IAP	RNAV (GPS) RWY 11		KPWM	PORTLAND
IAP	RNAV (GPS) RWY 29		KPWM	PORTLAND
IAP	RNAV (GPS) RWY 36		KPWM	PORTLAND
IAP	RNAV (GPS) RWY 31		KRDK	ROCKLAND
IAP	ILS OR LOC RWY 7	2	KSFM	SANFORD
IAP	RNAV (GPS) RWY 32	7	KSFM	SANFORD
IAP	RNAV (GPS) RWY 7	7	KSFM	SANFORD
IAP	VOR RWY 25	4	KSFM	SANFORD
IAP	RNAV (GPS) RWY 24		KMHT	MANCHESTER
IAP	ILS OR LOC RWY 16		KPSM	PORTSMOUTH
IAP	NDB RWY 33		KDAW	ROCHESTER
IAP	RNAV(GPS) RWY 33		KDAW	ROCHESTER
STAR	OOSH (RNAV)	6	KBOS	BOSTON
STAR	PARCH (RNAV)	8	KFRG	FARMINGDALE
STAR	ROBER	5	KFRG	FARMINGDALE
STAR	PARCH (RNAV)	8	KJFK	NEW YORK
STAR	ROBER	5	KJFK	NEW YORK

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 37

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

ADDED AIRSPACE DOCKET 18-AEA-16.

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: PWM 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: 19-ANE-5

FIX TYPE OF ACTION: NO CHANGE

INFO ONLY

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)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
CHART PAT 3 ENROUTE HIGH PER ATC REQUEST.
ASSIGNED FACILITY MAGVAR: 14W (1970).

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	T393					(US)
EN ROUTE	V106					(US)
EN ROUTE	V14		1			(US)
EN ROUTE	V151					(US)
EN ROUTE	V2		1			(US)
EN ROUTE	V229					(US)
EN ROUTE	V39					(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	RNAV (GPS) RWY 20			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	VOR/DME 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	RNAV (GPS) RWY 2		KEEN	KEENE	NH (US)
IAP	VOR 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)
STAR	POPPP		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: 31

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

ADDED "AIRSPACE DOCKET: 19-ANE-5".

ADDED "T393" TO FIX USE.

DELETED "IAP RNAV (GPS) RWY 32 KASH" FROM FIX USE.

ADDED "CONTROLLER LOW" AND "CONTROLLER HIGH" TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: KELLY CARLSON

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BOS APP CON

OTHER:

INFO ONLY

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: NO CHANGE

INFO ONLY

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: 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	NE	LEB	VOR/DME	066.39	246.39	R	1		4500	6000	5	13

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	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	ILS OR LOC RWY 17	1		KMPV	BARRE/MONTPELIER	VT (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: 20

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

DELETED MANCHESTER DP (KMHT) FROM FIX USE - VOR MON.
CHANGED HOLD PAT 1 MAX TEMPLATE FROM 5 TO 13 - IAW 8260.19H 8-5-2 H J NOTE.
ADDED ILS OR LOC RWY 17 @ KMPV TO FIX USE.
DELETED PEASE AND TANKR DP'S @ KPSM 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: LEB ATCT
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: LAWRENCE VOR/DME **STATE:** MA **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 424425.51N/0710541.46W **TYPE:**

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	LAWRENCE	LWM	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	LWM	VOR/DME	056.61	236.61	R	1		2000	868	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (25-000052)	424622.00N/0710601.00W	868	5D
1	310	TOWER (25-000052)	424622.00N/0710601.00W	868	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED
ASSIGNED FACILITY MAGVAR: 15W (1980)

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MANCHESTER			KMHT	MANCHESTER	NH (US)
DP	PEASE			KPSM	PORTSMOUTH	NH (US)
DP	TANKER			KPSM	PORTSMOUTH	NH (US)
IAP	RNAV (GPS) RWY 23			KBED	BEDFORD	MA (US)
IAP	RNAV (GPS) Z RWY 11			KBED	BEDFORD	MA (US)
IAP	RNAV (RNP) Y RWY 11			KBED	BEDFORD	MA (US)
IAP	RNAV (RNP) Y RWY 29			KBED	BEDFORD	MA (US)
IAP	LOC RWY 16			KBVY	BEVERLY	MA (US)
IAP	VOR RWY 16			KBVY	BEVERLY	MA (US)
IAP	ILS OR LOC RWY 15R			KBOS	BOSTON	MA (US)
IAP	ILS OR LOC RWY 22L			KBOS	BOSTON	MA (US)
IAP	ILS OR LOC RWY 5			KLWM	LAWRENCE	MA (US)
IAP	ILS OR LOC RWY 35			KMHT	MANCHESTER	NH (US)
IAP	ILS OR LOC RWY 6			KMHT	MANCHESTER	NH (US)
IAP	ILS RWY 35 (CAT II & III)			KMHT	MANCHESTER	NH (US)
IAP	ILS RWY 35 (SA CAT I)			KMHT	MANCHESTER	NH (US)
IAP	RNAV (GPS) RWY 24			KMHT	MANCHESTER	NH (US)
IAP	ILS OR LOC RWY 14			KASH	NASHUA	NH (US)
IAP	RNAV (GPS) RWY 32			KASH	NASHUA	NH (US)
IAP	VOR RWY 32			KASH	NASHUA	NH (US)
IAP	VOR-A			KASH	NASHUA	NH (US)
IAP	ILS OR LOC RWY 16			KPSM	PORTSMOUTH	NH (US)
IAP	ILS OR LOC RWY 34			KPSM	PORTSMOUTH	NH (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 08/15/2019

REASON FOR REVISION:

UPDATED FIX USE - DELETED KLWM VOR RWY 23.
UPDATED FIX USE - CHANGED KLWM PROCEDURE NAME FROM ILS Y OR LOC Y RWY 05 TO ILS OR LOC RWY 5, DELETED CLIMB-IN-HOLD AND HOLD PATTERN 1.

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:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: MANCHESTER VOR/DME STATE: NH COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 425206.71N/0712210.32W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE **INFO ONLY**

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA FEET	MAA
1	MANCHESTER	MHT	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	MHT	VOR/DME	157.00	337.00	L	1	2000 6000	4 5
2	NE	MHT	VOR/DME	066.00	246.00	R	1	2000 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (33-023160)	424900.40N/0711611.50W	869	2C
2	200	TOWER (33-000099)	425705.17N/0711604.36W	985	2C
2	310	AAO	430712.00N/0711154.00W	1181	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	ILS OR LOC RWY 6	KMHT	MANCHESTER	NH (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGVAR: 15W (1980)

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	HYLND (RNAV)			KBOS	BOSTON	MA (US)
DP	LOGAN			KBOS	BOSTON	MA (US)
DP	WYLYY (RNAV)			KBOS	BOSTON	MA (US)
DP	LAWRENCE			KLWM	LAWRENCE	MA (US)
DP	NORWOOD			KOWD	NORWOOD	MA (US)
DP	MANCHESTER			KMHT	MANCHESTER	NH (US)
EN ROUTE	V106					(US)
EN ROUTE	V141					(US)
EN ROUTE	V490					(US)
IAP	RNAV (GPS) RWY 16			KBVY	BEVERLY	MA (US)
IAP	ILS OR LOC RWY 15R			KBOS	BOSTON	MA (US)
IAP	ILS OR LOC RWY 33L			KBOS	BOSTON	MA (US)
IAP	ILS OR LOC RWY 4R			KBOS	BOSTON	MA (US)
IAP	ILS RWY 33L (CAT II & III)			KBOS	BOSTON	MA (US)
IAP	ILS RWY 33L (SA CAT I)			KBOS	BOSTON	MA (US)
IAP	ILS RWY 4R (CAT II & III)			KBOS	BOSTON	MA (US)
IAP	ILS RWY 4R (SA CAT I)			KBOS	BOSTON	MA (US)
IAP	VOR/DME-A			KBOS	BOSTON	MA (US)
IAP	NDB-A			KFIT	FITCHBURG	MA (US)
IAP	RNAV (GPS) RWY 20			KFIT	FITCHBURG	MA (US)
IAP	RNAV (GPS) RWY 32			KFIT	FITCHBURG	MA (US)
IAP	ILS OR LOC RWY 5			KLWM	LAWRENCE	MA (US)
IAP	RNAV (GPS) RWY 23			KLWM	LAWRENCE	MA (US)
IAP	RNAV (GPS) RWY 21			K6B6	STOW	MA (US)
IAP	VOR/DME RWY 21			K6B6	STOW	MA (US)
IAP	ILS OR LOC RWY 7			KSFM	SANFORD	ME (US)
IAP	RNAV (GPS) RWY 25			KSFM	SANFORD	ME (US)
IAP	RNAV (GPS) RWY 7			KSFM	SANFORD	ME (US)
IAP	ILS OR LOC RWY 35			KCON	CONCORD	NH (US)
IAP	RNAV (GPS) RWY 35			KCON	CONCORD	NH (US)
IAP	VOR-A		1	KCON	CONCORD	NH (US)
IAP	ILS OR LOC RWY 17		1	KMHT	MANCHESTER	NH (US)
IAP	ILS OR LOC RWY 35			KMHT	MANCHESTER	NH (US)
IAP	ILS OR LOC RWY 6		2	KMHT	MANCHESTER	NH (US)
IAP	ILS RWY 35 (CAT II & III)			KMHT	MANCHESTER	NH (US)
IAP	ILS RWY 35 (SA CAT I)			KMHT	MANCHESTER	NH (US)
IAP	ILS OR LOC RWY 14			KASH	NASHUA	NH (US)

IAP	RNAV (GPS) RWY 32	KASH	NASHUA	NH (US)
IAP	ILS OR LOC RWY 16	KPSM	PORTSMOUTH	NH (US)
IAP	ILS OR LOC RWY 34	KPSM	PORTSMOUTH	NH (US)
IAP	RNAV (GPS) RWY 16	KPSM	PORTSMOUTH	NH (US)
IAP	NDB RWY 33	KDAW	ROCHESTER	NH (US)
IAP	VOR/DME-A	KDAW	ROCHESTER	NH (US)
STAR	GARDNER	KBOS	BOSTON	MA (US)
STAR	POPPP	KMHT	MANCHESTER	NH (US)
STAR	ROBER	KFRG	FARMINGDALE	NY (US)
STAR	ROBER	KJFK	NEW YORK	NY (US)

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

INFO ONLY

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 28

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

1. FIX USE: REMOVED KASH VOR-A AND VOR RWY 32, KBED RNAV (GPS) Z RWY 11, KBVY VOR RWY 16 AND LOC RWY 16, ~~TANK~~ AND PEASE. ~~DP'S AT KPSM.~~



INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TAYLOR GIBSON

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: PEASE VOR/DME STATE: NH COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 430504.07N/0704955.15W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE **INFO ONLY**

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA FEET	MAA
1	PEASE	PSM	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	S	PSM	VOR/DME	176.40	356.40	R	1	3000 6000	4 5
2	SW	PSM	VOR/DME	232.15	052.15	R	1	2000 6000	4 5
3	SW		WP	232.15	052.15	R	4	2000 6000	4 12

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	430224.00N/0705327.00W	568	4E
2	200	AAO	430151.00N/0705336.00W	597	4E
3	200	AAO	430151.00N/0705336.00W	597	4E
3	310	AAO	431027.00N/0704648.00W	620	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	RNAV (GPS) RWY 30	K3B4	ELIOT	ME (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

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	WYLYY (RNAV)			KBOS	BOSTON	MA (US)
DP	LAWRENCE			KLWM	LAWRENCE	MA (US)
DP	NORWOOD			KOWD	NORWOOD	MA (US)
DP	PORTLAND			KPWM	PORTLAND	ME (US)
DP	MANCHESTER			KMHT	MANCHESTER	NH (US)
DP	PPOINT (RNAV)			KMHT	MANCHESTER	NH (US)
DP	PEASE			KPSM	PORTSMOUTH	NH (US)
DP	TANKER			KPSM	PORTSMOUTH	NH (US)
EN ROUTE	V3					(US)
IAP	LOC RWY 16			KBVY	BEVERLY	MA (US)
IAP	RNAV (GPS) RWY 16			KBVY	BEVERLY	MA (US)
IAP	ILS OR LOC RWY 33L (ALT MA)			KBOS	BOSTON	MA (US)
IAP	ILS RWY 33L (CAT II - III)(ALT MA)			KBOS	BOSTON	MA (US)
IAP	ILS RWY 33L (SA CAT I)(ALT MA)			KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) RWY 23			KLWM	LAWRENCE	MA (US)
IAP	RNAV (GPS) RWY 30		3	K3B4	ELIOT	ME (US)
IAP	VOR-A		2	K3B4	ELIOT	ME (US)
IAP	ILS OR LOC RWY 11			KPWM	PORTLAND	ME (US)
IAP	ILS RWY 11 (CAT II - III)			KPWM	PORTLAND	ME (US)
IAP	ILS RWY 11 (SA CAT I)			KPWM	PORTLAND	ME (US)
IAP	RNAV (GPS) RWY 32			KSFM	SANFORD	ME (US)
IAP	ILS OR LOC RWY 06			KMHT	MANCHESTER	NH (US)
IAP	ILS OR LOC RWY 35			KMHT	MANCHESTER	NH (US)
IAP	ILS RWY 35 (CAT II - III)			KMHT	MANCHESTER	NH (US)
IAP	ILS RWY 35 (SA CAT I)			KMHT	MANCHESTER	NH (US)
IAP	RNAV (GPS) RWY 6			KMHT	MANCHESTER	NH (US)
IAP	ILS OR LOC RWY 16			KPSM	PORTSMOUTH	NH (US)
IAP	ILS OR LOC RWY 34			KPSM	PORTSMOUTH	NH (US)
IAP	RNAV (GPS) RWY 34			KPSM	PORTSMOUTH	NH (US)
IAP	NDB RWY 33			KDAW	ROCHESTER	NH (US)
IAP	RNAV (GPS) RWY 33			KDAW	ROCHESTER	NH (US)
IAP	VOR/DME-A		1	KDAW	ROCHESTER	NH (US)

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

COMPULSORY REPORTING POINT: NO**RECORD REVISION NUMBER: 15****DATE OF REVISION: 09/10/2020****INFO ONLY****REASON FOR REVISION:**

1. DELETED IAP KBVY VOR RWY 16 FROM FIX USE.
2. ADDED HOLDING PATTERN 3 AND ASSOCIATED CONTROLLING OBSTACLES.
3. ADDED WP HOLDING AND CLIMB-IN-HOLD PATTERN 3 TO FIX USE FOR K3B4 RNAV (GPS) RWY 30.

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

AJV-A432

NAME: JAY BAGGETT**APPROVED BY:****DATE:****OFFICE: AJV-A430****NAME: GEORGE DAVIS****SIGNATURE:****DISTRIBUTION:****NFDC****FPO: EST****ARTCC: ZBW****ATC FACILITY: BOS APP CON, PSM ATCT****OTHER:**

RADIO FIX AND HOLDING DATA RECORD

NAME: SCUPP **STATE:** OA **COUNTRY:** US **ICAO REGION CODE:** K
LATITUDE/LONGITUDE: 423611.01N/0701349.35W **TYPE:** WP, INT, DME
AIRSPACE DOCKET: 19-ASO-18 **FIX TYPE OF ACTION:** MODIFY **INFO ONLY**

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	KENNEBUNK	ENE	VOR/DME	H	178.00	161.00	52.15	52.15	6000	45000
2	BOSTON	BOS	VOR/DME	H	082.14	066.14	36.78	36.78	6000	45000
3	MARCONI	LFV	VOR/DME	H	002.32	346.32	36.18	36.18	6000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ENE	VOR/DME	R-178	53	6000	14700

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	E		WP	082.00	262.00	R	16	11000 20000	29 29

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPD	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	WINDMILL (25-022327)	423741.53N/0703857.97W	690	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

KENNEBUNK (FAC 1) AND BOSTON (FAC 2) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PEASE			KPSM	PORTSMOUTH	NH (US)
DP	TANKER			KPSM	PORTSMOUTH	NH (US)
EN ROUTE	Q475					(US)
EN ROUTE	V167	1, 2, 3	1			(US)
IAP	RNAV (GPS) RWY 32			KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) RWY 25			KPVC	PROVINCETOWN	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 20

DATE OF REVISION: 07/16/2020

REASON FOR REVISION:

AMENDED AIRSPACE DOCKET FROM "19-AEA-9" TO "19-ASO-18".
 AMENDED ENE ESV MAX ALTITUDE FROM "17500" TO "14700".
 REMOVED "J575" FROM FIX USE.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** KELLY CARLSON

APPROVED BY: **DATE:** **OFFICE:** AJV-A430 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

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