

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: 21-AEA-18 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	BARNES	BAF	VORTAC	L						45000

FIX RESTRICTIONS:

MCA T291 3100 NORTHWEST BOUND.

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 MIN	ALTITUDES 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	PPORT (RNAV)			KMHT	MANCHESTER	NH (US)
EN ROUTE	Q406					(US)
EN ROUTE	Q448					(US)
EN ROUTE	Q480					(US)
EN ROUTE	T291					(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			7B2	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: 21

DATE OF REVISION: 09/08/2022

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 21-AEA-18.

FIX RESTRICTIONS: ADDED MCA T291 3100 NORTHWEST BOUND.

UPDATED FIX USE: ADDED ENROUTE T291.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: TOMMY BYRNS

APPROVED BY:

DATE: 09/08/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: BLZZR

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 421302.39N/0714536.59W

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	FAC FEET	MRA	MAA
1	BOSTON	BOS	VOR/DME	H	272.50	256.50	35.33	35.33		12000	45000

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HANSCOM	1		KBED	BEDFORD	MA (US)
DP	BEVERLY	1		KBVY	BEVERLY	MA (US)
DP	BLZZR (RNAV)			KBOS	BOSTON	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	1		KOWD	NORWOOD	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. REQUIRED CHARTING: UPDATED "CONTROLLER" TO CONTROLLER LOW AND CONTROLLER HIGH.
2. REMARKS: REMOVED.

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:

RADIO FIX AND HOLDING DATA RECORD

NAME: BOSOX **STATE:** MA **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 421206.79N/0713739.64W **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	268.04	252.04	29.91	29.91		3000	17500
2	GARDNER	GDM	VOR/DME	L	151.00	137.00		28.15		3000	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	W	BOS	VOR/DME	268.04	088.04	R	1		3000	8000	6	10
2	W		WP	267.04	087.04	R		5	3000	8000	5	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	420612.00N/0714851.00W	1080	4E
2	200	AAO	420612.00N/0714851.00W	1080	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
BOSTON (FAC 1) AND GARDNER (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	WYLYY (RNAV)			KBOS	BOSTON	MA (US)
DP	LAWRENCE			KLWM	LAWRENCE	MA (US)
DP	NORWOOD			KOWD	NORWOOD	MA (US)
EN ROUTE	V1	1, 2				(US)
IAP	ILS OR LOC RWY 27	1, 2	1	KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) RWY 27		2	KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) RWY 33			KORH	WORCESTER	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13 **DATE OF REVISION:** 06/17/2021

REASON FOR REVISION:

REQUIRED CHARTING: UPDATED "CONTROLLER" TO CONTROLLER LOW.

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:

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:**

AIRSPACE DOCKET: 20-ASO-31 **FIX TYPE OF ACTION:** CANCEL

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							45000

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LOGAN			KBOS	BOSTON	MA (US)
DP	MANCHESTER			KMHT	MANCHESTER	NH (US)
DP	PEASE			KPSM	PORTSMOUTH	NH (US)
DP	TANKER			KPSM	PORTSMOUTH	NH (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	NORWOOD			KOWD	NORWOOD	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: 22 **DATE OF REVISION:** 12/02/2021

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET NUMBER 20-ASO-31.
2. FIX USE: REMOVED J42.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A431	NAME: TARA MARTINELLI
APPROVED BY:	DATE: 05/27/2021	OFFICE: AJV-A430	NAME: LONNIE EVERHART
SIGNATURE:			

RADIO FIX AND HOLDING DATA RECORD

NAME: BRUWN

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 413609.68N/0701345.81W

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	158.82	142.82	56.62	56.62		12000	45000
2	PROVIDENCE	PVD	VOR/DME	H	111.30	097.30	54.47	54.47		12000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BOS	VOR/DME	R-159	57	12000	14600
PVD	VOR/DME	R-111	55	12000	14600

REMARKS:

BOSTON (FAC 1) AND PROVIDENCE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
ATC REQUESTS ENROUTE LOW/HIGH CHARTING FOR VECTORING AND AUTOMATION REQUIREMENTS.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HANSCOM	1		KBED	BEDFORD	MA (US)
DP	BEVERLY	1		KBVY	BEVERLY	MA (US)
DP	BRUWN (RNAV)			KBOS	BOSTON	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	1		KOWD	NORWOOD	MA (US)
EN ROUTE	V141	1, 2				(US)
EN ROUTE	Y578	1, 2				(US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 05/19/2022

REASON FOR REVISION:

ADDED FAC 1 AND 2 TO Y578 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: STEVEN WINNER

APPROVED BY:

DATE: 03/24/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

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	54.99	2000	45000
2	BOSTON	BOS	VOR/DME	H	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

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	V139	1				(US)
EN ROUTE	V268	1				(US)
IAP	VOR-A	1		KBOS	BOSTON	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: DP, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15 **DATE OF REVISION:** 05/19/2022

REASON FOR REVISION:

ADDED BOS AS FAC 2 TO FIX MAKE-UP FACILITIES.
ADDED FAC 2 TO HANSCOM AND BEVERLY DEPARTURE PROCEDURES.
REMOVED FAC 1 FROM NORWOOD DP.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A422 **NAME:** STEVEN WINNER

APPROVED BY: **DATE:** 03/24/2022 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

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	FEET	MRA	MAA
1	CAMBRIDGE	CAM	VOR/DME	L							17500

FIX RESTRICTIONS:

MCA T316 5000 EASTBOUND

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	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 PATTERN(S)

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			KBTV	BURLINGTON	VT (US)
EN ROUTE	Q822					(US)
EN ROUTE	Q84					(US)
EN ROUTE	T316					(US)
EN ROUTE	V123					(US)
EN ROUTE	V447					(US)
EN ROUTE	V487					(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		1	KGFL	GLENS FALLS	NY (US)
IAP	VOR/DME-A			5B2	SARATOGA SPRINGS	NY (US)
IAP	RNAV (GPS) RWY 22			KSCH	SCHENECTADY	NY (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)
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)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 28

DATE OF REVISION: 09/08/2022

REASON FOR REVISION:

1. REMOVED 4V8 IAP: RNAV (GPS) RWY 1 FROM FIX USE - PROCEDURE CANCELLED.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JANTZEN TAYLOR

APPROVED BY:

DATE: 09/08/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: CELTK

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 421559.05N/0700612.33W

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	MRA	MAA
1	BOSTON	BOS	VOR/DME	H	113.58	097.58	39.82	39.82	8000	45000
2	MARCONI	LFV	VOR/DME	H	004.84	348.84	15.24	15.24	8000	45000

REMARKS:

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

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	CELTG (RNAV)			KBOS	BOSTON	MA (US)
DP	LOGAN	1, 2		KBOS	BOSTON	MA (US)
DP	WYLYY (RNAV)			KBOS	BOSTON	MA (US)
DP	LAWRENCE	1, 2		KLWM	LAWRENCE	MA (US)
DP	NORWOOD	1, 2		KOWD	NORWOOD	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. REQUIRED CHARTING: UPDATED "CONTROLLER" TO CONTROLLER LOW AND CONTROLLER HIGH.
2. REMARKS: REMOVED "ATC REQUESTS ENROUTE LOW/HIGH CHARTING FOR VECTORING AND AUTOMATION REQUIREMENTS".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: ANA VEGA

APPROVED BY:

DATE: 03/19/2021

OFFICE: AVJ-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

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

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: 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	CHESTER	CTR	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	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 PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	HI-ILS OR LOC RWY 20	KBAF	WESTFIELD/SPRINGFIELD	MA (US)
1	VOR RWY 20	KBAF	WESTFIELD/SPRINGFIELD	MA (US)
1	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	T291					(US)
EN ROUTE	T295					(US)
EN ROUTE	V146					(US)
EN ROUTE	V270					(US)
IAP	RNAV (GPS) RWY 15			KBDL	WINDSOR LOCKS	CT (US)
IAP	RNAV (GPS) RWY 14			7B2	NORTHAMPTON	MA (US)
IAP	VOR/DME-B		1	7B2	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			4B0	SOUTH BETHLEHEM	NY (US)
IAP	RNAV (GPS) RWY 1			4V8	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, MILITARY IAP, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 25

DATE OF REVISION: 09/08/2022

REASON FOR REVISION:

UPDATED FIX USE: ADDED ENROUTE T291 AND T295.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: TOMMY BYRNS

APPROVED BY:

DATE: 09/08/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: FREDO STATE: MA COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 415420.42N/0703456.04W 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	MRA	MAA
1	NANTUCKET	ACK	VOR/DME	H	341.42	326.42	45.00	45.00	3000	17500
2	MARCONI	LFV	VOR/DME	H	270.85	254.85		25.30	2000	17500
3	BOSTON	BOS	VOR/DME	H	162.00	146.00	32.63	32.63	2000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ACK	VOR/DME	R-341	45	3000	14600

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	ACK	VOR/DME	341.42	341.42	R	1		3000	10000	6	11
2	S		WP	161.42	341.42	R		4	1900	4000	4	5
3	S	BOS	VOR/DME	162.00	342.00	R	1		2000	6000	5	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (25-000579)	415602.20N/0703508.40W	696	2C
2	200	TOWER (25-000579)	415602.20N/0703508.40W	696	2C
3	200	TOWER (25-000579)	415602.20N/0703508.40W	696	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

NANTUCKET (FAC 1) AND MARCONI (FAC 2) USED TO ESTABLISH FIX COORDINATES.
 CHART FIX AND PAT 1 ON L-33
 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	LAWRENCE			KLWM	LAWRENCE	MA (US)
DP	NORWOOD			KOWD	NORWOOD	MA (US)
IAP	RNAV (GPS) RWY 32			KBOS	BOSTON	MA (US)
IAP	ILS OR LOC RWY 6	2, 3	3	KPYM	PLYMOUTH	MA (US)
IAP	ILS OR LOC RWY 6 (ALT MA)	1, 2	1	KPYM	PLYMOUTH	MA (US)
IAP	RNAV (GPS) RWY 6		2	KPYM	PLYMOUTH	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 DATE OF REVISION: 05/19/2022

REASON FOR REVISION:

CHANGED PATTERN 1 MAX TEMPLATE FROM 13 TO 11.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A422 NAME: STEVEN WINNER

APPROVED BY: DATE: 03/24/2022 OFFICE: AJV-A420 NAME: MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: FRILL STATE: OA COUNTRY: US ICAO REGION CODE: K
 LATITUDE/LONGITUDE: 421347.53N/0694928.72W 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	FEET	MRA	MAA
1	BOSTON	BOS	VOR/DME	H	114.00	098.00	52.43	52.43		6000	45000
2	NANTUCKET	ACK	VOR/DME	H	024.00	009.00	57.57	57.57		4000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ACK	VOR/DME	R-024	58	4000	14600
BOS	VOR/DME	R-114	53	6000	14600

HOLDING: HOLDING TYPE OF ACTION: MODIFY

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	E		WP	080.00	260.00	L		10 18000 45000	17 30

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC CONTROL REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

BOSTON (FAC 1) AND NANTUCKET (FAC 2) USED TO ESTABLISH FIX COORDINATES.
 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	CELT (RNAV)			KBOS	BOSTON	MA (US)
DP	LOGAN	1, 2		KBOS	BOSTON	MA (US)
DP	WYLYY (RNAV)			KBOS	BOSTON	MA (US)
DP	LAWRENCE	1, 2		KLWM	LAWRENCE	MA (US)
DP	NORWOOD			KOWD	NORWOOD	MA (US)
STAR	PARCH (RNAV)		1	KFRG	FARMINGDALE	NY (US)
STAR	PARCH (RNAV)		1	KJFK	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 05/19/2022

REASON FOR REVISION:

CORRECTED BOS ESV FROM 16000 TO 14600.
 CORRECTED ACK ESV FROM 18000 TO 14600.
 CHANGED PATTERN 1 MIN TEMPLATE TO 17 AND MAX TEMPLATE TO 30.
 REMOVED FAC 1 AND 2 FROM HANSCOM, BEVERLY AND NORWOOD DPS IN FIX USE.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A422 NAME: STEVEN WINNER

APPROVED BY: DATE: 03/24/2022 OFFICE: AJV-A420 NAME: MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: GLYDE **STATE:** MA **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 421603.84N/0714842.76W **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	CHESTER	CTR	VOR/DME	L	104.22	091.22	50.68	50.68	4000	17500
2	PUTNAM	PUT	VOR/DME	H	018.38	004.38		18.78	4000	17500
3	GARDNER	GDM	VOR/DME	L	160.65	146.65		19.96	4000	17500
4	BARNES	BAF	VORTAC	L	094.75	080.75	40.82	40.82	7000	17500
5	BOSTON	BOS	VOR/DME	H	277.91	261.91	37.00	37.00	4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BAF	VORTAC	R-095	41	7000	17500
CTR	VOR/DME	R-104	51	4000	17500

REMARKS:

CHESTER (FAC 1) AND PUTNAM (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	1, 5		KBOS	BOSTON	MA (US)
DP	WYLYY (RNAV)			KBOS	BOSTON	MA (US)
DP	LAWRENCE	1, 5		KLWM	LAWRENCE	MA (US)
DP	NORWOOD			KOWD	NORWOOD	MA (US)
EN ROUTE	V270	1, 2, 3, 4, 5				(US)
EN ROUTE	V270-292	1, 2, 3, 4, 5				(US)
EN ROUTE	V292	1, 2, 3, 4, 5				(US)
IAP	RNAV (GPS) RWY 32			KORE	ORANGE	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 05/19/2022

REASON FOR REVISION:

CHANGED BAF ESV MIN ALTITUDE TO 7000.
 REMOVED FAC 5 FROM BEVERLY AND HANSCOM DPS IN FIX USE.
 REMOVED FAC 1 AND 5 FROM NORWOOD DP IN FIX USE.
 REMOVED RNAV (GPS) RWY 32 AT KFIT FROM FIX USE.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A422 **NAME:** STEVEN WINNER

APPROVED BY: **DATE:** 03/24/2022 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: HANAA STATE: NY COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 431152.06N/0733646.17W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE
 HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:		IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES		TEMPLATES	
PAT	DIR								MIN	MAX	MIN	MAX
1	NE		WP	047.00	227.00	R	10	18000	38000	17	27	
2	NE		WP	030.30	210.30	R	10	17000	38000	17	27	

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPEED	OBSTRUCTION			
2	265	AAO	433624.00N/0733154.00W	2851	4E

HOLDING RESTRICTIONS:
 HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:
 CHART PATTERN 1 ON ENROUTE HIGH CHART.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 NATIONAL CHOKE POINT RELIEF POINT.
 PATTERN 1 REQUESTED BY ATC.

FIX USE:	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	HSKEL (RNAV)			KPWM	PORTLAND	ME (US)
EN ROUTE	Q816		1			(US)
STAR	FLOSI (RNAV)		2	KEWR	NEWARK	NJ (US)
STAR	SHAFF		2	KEWR	NEWARK	NJ (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 DATE OF REVISION: 06/17/2021

REASON FOR REVISION:
 CORRECTED IAP TO DP FOR BEVERLY KBVY FIX USE.
 ADDED CONTROLLER LOW AND CONTROLLER HIGH TO REQUIRED CHARTING.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A422	NAME: STEVEN WINNER
APPROVED BY:	DATE: 02/19/2021	OFFICE: AJV-A420	NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION: NFDC
 FPO: EST
 ARTCC: ZBW
 ATC FACILITY: BOS APP CON, BVY TOWER, PWM APP CON
 OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: HYLND

STATE: NH

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 424651.12N/0711631.08W

TYPE: WP, 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	FEET	MRA	MAA
1	BOSTON	BOS	VOR/DME	H	349.59	333.59	28.38	28.38		8000	45000

REMARKS:

ATC REQUESTS ENROUTE LOW/HIGH CHARTING FOR VECTORING AND AUTOMATION REQUIREMENTS.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HANSCOM	1		KBED	BEDFORD	MA (US)
DP	BEVERLY	1		KBVY	BEVERLY	MA (US)
DP	HYLND (RNAV)			KBOS	BOSTON	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	1		KOWD	NORWOOD	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 05/19/2022

REASON FOR REVISION:

CORRECTED BOS MAG/TRUE BRG FROM 349.58/333.58 TO 349.59/333.59 IN FIX MAKE-UP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: STEVEN WINNER

APPROVED BY:

DATE: 03/24/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

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:

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	KENNEBUNK	ENE	VOR/DME	H						45000

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	ENE	VOR/DME	082.00	262.00	L	1	2400 6000	4 12
2	W	ENE	VOR/DME	267.54	087.54	R	1	2300 6000	4 5
3	E	ENE	VOR/DME	081.00	261.00	L	1	2000 6000	4 5
4	NE	ENE	VOR/DME	044.00	224.00	L	1 1/2	24000 39000	19 27
5	NE		WP	044.00	224.00	L		16 17000 45000	29 30
6	NE		WP	062.00	242.00	L		4 3000 6000	5 13
7	NE		WP	043.00	223.00	L		16 17000 45000	29 30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	432218.00N/0704009.00W	578	4E
1	310	AAO	432303.00N/0704709.00W	1126	4E
2	200	AAO	432303.00N/0704709.00W	1126	4E
3	200	AAO	432218.00N/0704009.00W	578	4E
5	265	TOWER (23-000419)	435044.24N/0704540.76W	2549	2C
6	200	AAO	432218.00N/0704009.00W	578	4E
6	310	AAO	432748.00N/0704436.00W	804	4E
7	265	TOWER (23-000419)	435044.24N/0704540.76W	2549	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 3 ATC REQUEST
PAT 4 ATC REQUEST
PAT 5 ATC REQUEST
PAT 6 ATC REQUEST
PAT 7 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 7	KSFM	SANFORD	ME (US)
6	RNAV (GPS) RWY 6	B19	BIDDEFORD	ME (US)
6	RNAV (GPS) RWY 7	KSFM	SANFORD	ME (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
MAGVAR 17W/1970.
PAT 5 MAG VAR BOS 15W.
PAT 7 MAG VAR JFK 13W.

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)
EN ROUTE	J55					(US)
EN ROUTE	J573					(US)
EN ROUTE	Q480					(US)
EN ROUTE	Q822					(US)
EN ROUTE	T295					(US)
EN ROUTE	T314					(US)
EN ROUTE	V139					(US)
EN ROUTE	V167					(US)
IAP	ILS OR LOC RWY 4			KLEW	AUBURN/LEWISTON	ME (US)
IAP	HI-ILS Z OR LOC Z RWY 15			KBGR	BANGOR	ME (US)
IAP	HI-VOR/DME OR TACAN RWY 15			KBGR	BANGOR	ME (US)

IAP	HI-VOR/DME OR TACAN RWY 33		KBGR	BANGOR	ME (US)
IAP	RNAV (GPS) RWY 6	6	B19	BIDDEFORD	ME (US)
IAP	VOR RWY 6	2	B19	BIDDEFORD	ME (US)
IAP	ILS OR LOC RWY 1R		KBXM	BRUNSWICK	ME (US)
IAP	ILS OR LOC RWY 11	1	KPWM	PORTLAND	ME (US)
IAP	ILS OR LOC RWY 29	1	KPWM	PORTLAND	ME (US)
IAP	ILS RWY 11 (CAT II - III)	1	KPWM	PORTLAND	ME (US)
IAP	ILS RWY 11 (SA CAT I)	1	KPWM	PORTLAND	ME (US)
IAP	ILS RWY 29 (SA CAT I-II)	1	KPWM	PORTLAND	ME (US)
IAP	RNAV (GPS) RWY 11		KPWM	PORTLAND	ME (US)
IAP	RNAV (GPS) RWY 29		KPWM	PORTLAND	ME (US)
IAP	RNAV (GPS) RWY 36		KPWM	PORTLAND	ME (US)
IAP	RNAV (GPS) RWY 31		KRCD	ROCKLAND	ME (US)
IAP	ILS OR LOC RWY 7	1	KSFM	SANFORD	ME (US)
IAP	RNAV (GPS) RWY 7	6	KSFM	SANFORD	ME (US)
IAP	VOR RWY 25	3	KSFM	SANFORD	ME (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)
STAR	OOSHN (RNAV)	5	KBOS	BOSTON	MA (US)
STAR	PARCH (RNAV)	7	KFRG	FARMINGDALE	NY (US)
STAR	ROBER	4	KFRG	FARMINGDALE	NY (US)
STAR	PARCH (RNAV)	7	KJFK	NEW YORK	NY (US)
STAR	ROBER	4	KJFK	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 42

DATE OF REVISION: 12/02/2021

REASON FOR REVISION:

1. REMOVED FIX USE: BETTE, GREKI, HAPIE, AND MERIT.
2. ADDED REQUIRED CHARTING: ENROUTE LOW, ENROUTE HIGH, CONTROLLER LOW AND CONTROLLER HIGH.
3. UPDATED HOLDING PATTERN 2 MINIMUM ALTITUDE FROM 2400 TO 2300.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: LBSTA

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 424800.00N/0703648.70W

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	KENNEBUNK	ENE	VOR/DME	H	197.00	180.00	37.53	37.53		5000	45000
2	MANCHESTER	MHT	VOR/DME	L	111.76	096.76		33.63		5000	45000
3	BOSTON	BOS	VOR/DME	H	048.00	032.00	31.34	31.34		5000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
MHT	VOR/DME	R-112	34	18000	45000

REMARKS:

KENNEBUNK (FAC 1) AND MANCHESTER (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HANSCOM	3		KBED	BEDFORD	MA (US)
DP	BEVERLY	3		KBVY	BEVERLY	MA (US)
DP	LBSTA (RNAV)			KBOS	BOSTON	MA (US)
DP	LOGAN	3		KBOS	BOSTON	MA (US)
DP	WYLYY (RNAV)			KBOS	BOSTON	MA (US)
DP	LAWRENCE	3		KLWM	LAWRENCE	MA (US)
DP	NORWOOD	3		KOWD	NORWOOD	MA (US)
EN ROUTE	V139	1, 2				(US)
EN ROUTE	V268	2, 3				(US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 05/19/2022

REASON FOR REVISION:

ADDED FAC 3 TO HANSCOM, LOGAN, LAWRENCE AND NORWOOD DPS IN FIX USE.
 REMOVED FAC 1 FROM V268 IN FIX USE.
 REMOVED FAC 3 FROM V139 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: STEVEN WINNER

APPROVED BY:

DATE: 03/24/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: MARCONI VOR/DME **STATE:** MA **COUNTRY:** US **ICAO REGION CODE:** K6
LATITUDE/LONGITUDE: 420101.88N/0700214.04W **TYPE:**
AIRSPACE DOCKET: 20-ASO-31 **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	MARCONI	LFV	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	S	LFV	VOR/DME	180.00	360.00	L	1	2000 31000	4 23
2	S		WP	180.00	360.00	L	4	2000 6000	4 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	420101.00N/0700311.00W	399	2C
1	310	TOWER (25-000161)	414649.10N/0700034.17W	515	2C
2	200	AAO	420106.00N/0700312.00W	397	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 PROTECTION OF CONTROL AREA 1142
 PAT 2 PROTECTION OF CONTROL AREA 1142

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR RWY 6	KHYA	HYANNIS	MA (US)
1	ILS OR LOC RWY 15	KHYA	HYANNIS	MA (US)
1	ILS OR LOC RWY 7 (ALT MISSED)	KPVC	PROVINCETOWN	MA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGVAR: 16W/1995.

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	BANGOR			KBGR	BANGOR	ME (US)
DP	PORTLAND			KPWM	PORTLAND	ME (US)
EN ROUTE	J174					(US)
EN ROUTE	J79					(US)
EN ROUTE	VI67					(US)
IAP	ILS OR LOC RWY 15R			KBOS	BOSTON	MA (US)
IAP	ILS OR LOC RWY 22L			KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) - B			KCQX	CHATHAM	MA (US)
IAP	COPTER ILS Y OR LOC Y RWY 23			KFMH	FALMOUTH	MA (US)
IAP	ILS Z OR LOC Z RWY 23			KFMH	FALMOUTH	MA (US)
IAP	RNAV (GPS) RWY 23			KFMH	FALMOUTH	MA (US)
IAP	RNAV (GPS) RWY 32			KFMH	FALMOUTH	MA (US)
IAP	ILS OR LOC RWY 15		1	KHYA	HYANNIS	MA (US)
IAP	ILS OR LOC RWY 24			KHYA	HYANNIS	MA (US)
IAP	RNAV (GPS) RWY 15		2	KHYA	HYANNIS	MA (US)
IAP	RNAV (GPS) RWY 24			KHYA	HYANNIS	MA (US)
IAP	RNAV (GPS) RWY 33			KHYA	HYANNIS	MA (US)
IAP	VOR RWY 6		1	KHYA	HYANNIS	MA (US)
IAP	RNAV (GPS) RWY 24			KACK	NANTUCKET	MA (US)
IAP	RNAV (GPS) RWY 33			KACK	NANTUCKET	MA (US)
IAP	ILS OR LOC RWY 6			KPYM	PLYMOUTH	MA (US)
IAP	RNAV (GPS) RWY 24			KPYM	PLYMOUTH	MA (US)
IAP	RNAV (GPS) RWY 33			KPYM	PLYMOUTH	MA (US)
IAP	RNAV (GPS) RWY 6			KPYM	PLYMOUTH	MA (US)
IAP	ILS OR LOC RWY 7 (ALT MISSED)		1	KPVC	PROVINCETOWN	MA (US)
IAP	NDB RWY 25			KPVC	PROVINCETOWN	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18

DATE OF REVISION: 12/02/2021

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET NUMBER 20-ASO-31.
2. FIX USE: REMOVED J150.

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

AJV-A431

NAME: TARA MARTINELLI**APPROVED BY:****DATE:** 05/28/2021**OFFICE:** AJV-A430**NAME:** LONNIE EVERHART**SIGNATURE:**

RADIO FIX AND HOLDING DATA RECORD

NAME: MARTHAS VINEYARD VOR/DME **STATE:** MA **COUNTRY:** US **ICAO REGION CODE:** K6
LATITUDE/LONGITUDE: 412346.37N/0703645.78W **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	FEET	MRA	MAA
1	MARTHAS VINEYARD	MVY	VOR/DME	L							17500

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

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	T255					(US)
EN ROUTE	V130					(US)
EN ROUTE	V146					(US)
EN ROUTE	V374					(US)
EN ROUTE	V405					(US)
IAP	COPTER ILS Y OR LOC Y RWY 23			KFMH	FALMOUTH	MA (US)
IAP	ILS OR LOC RWY 32			KFMH	FALMOUTH	MA (US)
IAP	ILS Z OR LOC Z RWY 23			KFMH	FALMOUTH	MA (US)
IAP	RNAV (GPS) RWY 32			KFMH	FALMOUTH	MA (US)
IAP	RNAV (GPS) RWY 5			KFMH	FALMOUTH	MA (US)
IAP	ILS OR LOC RWY 15			KHYA	HYANNIS	MA (US)
IAP	ILS OR LOC RWY 24			KHYA	HYANNIS	MA (US)
IAP	RNAV (GPS) RWY 33			KHYA	HYANNIS	MA (US)
IAP	RNAV(GPS) RWY 06			KHYA	HYANNIS	MA (US)
IAP	RNAV(GPS) RWY 15			KHYA	HYANNIS	MA (US)
IAP	VOR RWY 06			KHYA	HYANNIS	MA (US)
IAP	ILS OR LOC RWY 24			KACK	NANTUCKET	MA (US)
IAP	ILS OR LOC RWY 6			KACK	NANTUCKET	MA (US)
IAP	RNAV (GPS) RWY 15			KACK	NANTUCKET	MA (US)
IAP	RNAV(GPS) RWY 06			KACK	NANTUCKET	MA (US)
IAP	VOR RWY 24			KACK	NANTUCKET	MA (US)
IAP	ILS OR LOC RWY 5			KEWB	NEW BEDFORD	MA (US)
IAP	RNAV (GPS) RWY 32			KEWB	NEW BEDFORD	MA (US)
IAP	RNAV(GPS) RWY 5			KEWB	NEW BEDFORD	MA (US)
IAP	RNAV (GPS) RWY 33			KPYM	PLYMOUTH	MA (US)
IAP	RNAV(GPS) RWY 6			KPYM	PLYMOUTH	MA (US)
IAP	ILS OR LOC RWY 24			KMVY	VINEYARD HAVEN	MA (US)
IAP	RNAV(GPS) RWY 24			KMVY	VINEYARD HAVEN	MA (US)
IAP	RNAV(GPS) RWY 6			KMVY	VINEYARD HAVEN	MA (US)
IAP	VOR RWY 6			KMVY	VINEYARD HAVEN	MA (US)
IAP	LOC RWY 22			KUUU	NEWPORT	RI (US)
IAP	VOR/DME RWY 16			KUUU	NEWPORT	RI (US)
IAP	ILS OR LOC RWY 16			KOQU	NORTH KINGSTOWN	RI (US)
IAP	VOR-A			KOQU	NORTH KINGSTOWN	RI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 23 **DATE OF REVISION:** 11/05/2020

REASON FOR REVISION:

DELETED "DME" FROM TYPE.
 DELETED "UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000" FROM FIX RESTRICTIONS.
 DELETED UPN HOLDING CONTROLLING OBSTACLE DATA.
 DELETED "ASSIGNED FACILITY MAGVAR: 15W/1980" AND "PRECIPITOUS TERRAIN EVALUATION COMPLETED" FROM REMARKS.
 DELETED "EN ROUTE T300" 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: ACK TOWER
OTHER:

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 411654.79N/0700136.16W **TYPE:**

AIRSPACE DOCKET: 21-AEA-18 **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	NANTUCKET	ACK	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 TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NE	ACK	VOR/DME	061.00	241.00	R	1		1800	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	411657.00N/0695754.00W	299	4D
1	310	TOWER (25-000194)	411648.00N/0701003.00W	478	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 6	KACK	NANTUCKET	MA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: W15/1980.

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	BRUWN (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	SKORR (RNAV)			KJFK	NEW YORK	NY (US)
EN ROUTE	J585					(US)
EN ROUTE	J68					(US)
EN ROUTE	Q430					(US)
EN ROUTE	T216					(US)
EN ROUTE	T291					(US)
EN ROUTE	V141					(US)
EN ROUTE	V146					(US)
EN ROUTE	V34					(US)
EN ROUTE	V46					(US)
IAP	NDB - A			KCQX	CHATHAM	MA (US)
IAP	RNAV (GPS) - B			KCQX	CHATHAM	MA (US)
IAP	RNAV (GPS) RWY 23			KFMH	FALMOUTH	MA (US)
IAP	ILS OR LOC RWY 24			KHYA	HYANNIS	MA (US)
IAP	RNAV (GPS) RWY 33			KHYA	HYANNIS	MA (US)
IAP	RNAV (GPS) RWY 6			KHYA	HYANNIS	MA (US)
IAP	VOR RWY 6			KHYA	HYANNIS	MA (US)
IAP	GREAT POINT VISUAL RWY 24			KACK	NANTUCKET	MA (US)
IAP	ILS OR LOC RWY 24			KACK	NANTUCKET	MA (US)
IAP	ILS OR LOC RWY 6		1	KACK	NANTUCKET	MA (US)
IAP	RNAV (GPS) RWY 24			KACK	NANTUCKET	MA (US)
IAP	RNAV (GPS) RWY 33			KACK	NANTUCKET	MA (US)
IAP	RNAV (GPS) RWY 6			KACK	NANTUCKET	MA (US)
IAP	TUCKERNUCK VISUAL RWY 6			KACK	NANTUCKET	MA (US)
IAP	VOR RWY 24			KACK	NANTUCKET	MA (US)
IAP	ILS OR LOC RWY 6			KPYM	PLYMOUTH	MA (US)
IAP	ILS OR LOC RWY 24			KMVY	VINEYARD HAVEN	MA (US)
IAP	RNAV (GPS) RWY 33			KMVY	VINEYARD HAVEN	MA (US)
IAP	VOR RWY 6			KMVY	VINEYARD HAVEN	MA (US)
STAR	NEWBE			KACK	NANTUCKET	MA (US)
STAR	ROBER			KFRG	FARMINGDALE	NY (US)
STAR	ROBER			KJFK	NEW YORK	NY (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: 09/08/2022

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 21-AEA-18.

FIX USE: REMOVED ENROUTE V58; ADDED ENROUTE T291.

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

AJV-A423

NAME: TOMMY BYRNS**APPROVED BY:****DATE:** 09/08/2022**OFFICE:** AJV-A420**NAME:** MARLON ROBINSON**SIGNATURE:**

RADIO FIX AND HOLDING DATA RECORD

NAME: NELIE **STATE:** CT **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 415627.64N/0724118.88W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: 19-ASO-18 **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	268.34	252.34	79.84	79.84		18000	45000
2	HAMPTON	HTO	VORTAC	H	357.81	344.81		63.55		18000	45000

REMARKS:

BOSTON (FAC 1) AND HAMPTON (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	BLZZR (RNAV)			KBOS	BOSTON	MA (US)
DP	LOGAN			KBOS	BOSTON	MA (US)
DP	PATSS (RNAV)			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	NUBLE (RNAV)			KPWM	PORTLAND	ME (US)
DP	PPORT (RNAV)			KMHT	MANCHESTER	NH (US)
DP	ALBANY			KALB	ALBANY	NY (US)
EN ROUTE	Q75					(US)
EN ROUTE	T212					(US)
EN ROUTE	T255					(US)
EN ROUTE	T300					(US)
STAR	WIPOR (RNAV)			KEWB	NEW BEDFORD	MA (US)
STAR	FLOSI (RNAV)			KEWR	NEWARK	NJ (US)
STAR	NELIE (RNAV)			KISP	NEW YORK	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, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 07/16/2020

REASON FOR REVISION:

AMENDED AIRSPACE DOCKET FROM "19-AEA-9" TO "19-ASO-18".
DELETED "J75" 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:

RADIO FIX AND HOLDING DATA RECORD

NAME: PATSS

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 420520.66N/0714239.03W

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	FAC FEET	MRA	MAA
1	BOSTON	BOS	VOR/DME	H	259.65	243.65	35.96	35.96		12000	45000

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HANSCOM	1		KBED	BEDFORD	MA (US)
DP	BEVERLY	1		KBVY	BEVERLY	MA (US)
DP	LOGAN	1		KBOS	BOSTON	MA (US)
DP	PATSS (RNAV)			KBOS	BOSTON	MA (US)
DP	WYLYY (RNAV)			KBOS	BOSTON	MA (US)
DP	LAWRENCE	1		KLWM	LAWRENCE	MA (US)
DP	NORWOOD	1		KOWD	NORWOOD	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. REQUIRED CHARTING: UPDATED "CONTROLLER" TO CONTROLLER LOW AND CONTROLLER HIGH.
2. REMARKS: REMOVED.

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:

RADIO FIX AND HOLDING DATA RECORD

NAME: PROVIDENCE VOR/DME STATE: RI COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 414327.63N/0712546.71W 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 FEET	MRA	MAA
1	PROVIDENCE	PVD	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 TIME	LENGTH DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	S	PVD	VOR/DME	181.00	001.00	R	1		1900 5000	4 5
2	N	PVD	VOR/DME	344.00	164.00	R	1		3000 5000	4 5
3	NE	PVD	VOR/DME	057.00	237.00	R	1 1/2		18000 39000	16 27
4	N	PVD	VOR/DME	007.91	187.91	R	1		2100 6000	4 5
5	SW	PVD	VOR/DME	234.00	054.00	R	1		2000 45000	4 29
6	N		WP	344.96	164.96	R		4	3000 5000	5 6
7	NE		WP	056.00	236.00	R		7	17000 24000	17 20
8	SW	PVD	VOR/DME	234.00	054.00	R	1		11000 14000	9 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	414039.00N/0712942.00W	542	4E
2	200	TOWER (44-000125)	414812.03N/0713325.98W	1049	4D
4	200	TOWER (44-000125)	414812.03N/0713325.98W	1049	4D
5	200	AAO	413724.00N/0713348.00W	732	4E
6	200	TOWER (44-000125)	414812.03N/0713325.98W	1049	4D
7	265	TOWER (25-000325)	415213.00N/0711743.00W	1148	4D
8	230	TOWER (44-000113)	413423.00N/0713756.00W	851	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGVAR: 14W (1965).

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	LOGAN			KBOS	BOSTON	MA (US)
DP	LAWRENCE			KLWM	LAWRENCE	MA (US)
DP	NORWOOD			KOWD	NORWOOD	MA (US)
EN ROUTE	J55		5			(US)
EN ROUTE	J68					(US)
EN ROUTE	T255					(US)
EN ROUTE	T393					(US)
EN ROUTE	V139		5			(US)
EN ROUTE	V146					(US)
EN ROUTE	V167					(US)
EN ROUTE	V405					(US)
EN ROUTE	V475					(US)
IAP	VOR RWY 23			KGON	GROTON (NEW LONDON)	CT (US)
IAP	RNAV (GPS) RWY 23			KGON	GROTON/NEW LONDON	CT (US)
IAP	ILS OR LOC RWY 15R			KBOS	BOSTON	MA (US)
IAP	ILS OR LOC RWY 22L			KBOS	BOSTON	MA (US)
IAP	COPTER ILS Y OR LOC Y RWY 32			KFMH	FALMOUTH	MA (US)
IAP	ILS Z OR LOC Z RWY 32			KFMH	FALMOUTH	MA (US)
IAP	ILS OR LOC RWY 5			KEWB	NEW BEDFORD	MA (US)
IAP	LOC BC RWY 23			KEWB	NEW BEDFORD	MA (US)
IAP	RNAV (GPS) RWY 5			KEWB	NEW BEDFORD	MA (US)
IAP	LOC RWY 35			KOWD	NORWOOD	MA (US)
IAP	ILS OR LOC RWY 6			KPYM	PLYMOUTH	MA (US)
IAP	RNAV (GPS) RWY 6			KPYM	PLYMOUTH	MA (US)
IAP	RNAV (GPS) RWY 2			3B0	SOUTHBRIDGE	MA (US)
IAP	ILS OR LOC RWY 24			KMVY	VINEYARD HAVEN	MA (US)
IAP	VOR RWY 6			KMVY	VINEYARD HAVEN	MA (US)
IAP	ILS OR LOC RWY 11			KORH	WORCESTER	MA (US)
IAP	ILS RWY 11 (CAT II & III)			KORH	WORCESTER	MA (US)
IAP	LOC RWY 22			KUUU	NEWPORT	RI (US)
IAP	RNAV (GPS) RWY 16		6	KUUU	NEWPORT	RI (US)
IAP	VOR/DME RWY 16		2	KUUU	NEWPORT	RI (US)
IAP	ILS OR LOC RWY 16			KOQU	NORTH KINGSTOWN	RI (US)
IAP	VOR RWY 34			KOQU	NORTH KINGSTOWN	RI (US)
IAP	VOR-A		4	KOQU	NORTH KINGSTOWN	RI (US)

IAP	VOR-A	1	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 & III)		KPVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) RWY 16		KPVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) RWY 5		KPVD	PROVIDENCE	RI (US)
IAP	VOR RWY 5		KPVD	PROVIDENCE	RI (US)
IAP	VOR Y RWY 34		KPVD	PROVIDENCE	RI (US)
IAP	VOR Z RWY 34		KPVD	PROVIDENCE	RI (US)
IAP	VOR/DME RWY 16		KPVD	PROVIDENCE	RI (US)
IAP	VOR/DME RWY 23		KPVD	PROVIDENCE	RI (US)
STAR	GRAYM		KBED	BEDFORD	MA (US)
STAR	GRAYM		KBVY	BEVERLY	MA (US)
STAR	NORWICH	8	KBOS	BOSTON	MA (US)
STAR	WOONS		KBOS	BOSTON	MA (US)
STAR	GRAYM		KFIT	FITCHBURG	MA (US)
STAR	GRAYM		KLWM	LAWRENCE	MA (US)
STAR	WOONS		1B9	MANSFIELD	MA (US)
STAR	WOONS		KGHG	MARSHFIELD	MA (US)
STAR	NEWBE		KACK	NANTUCKET	MA (US)
STAR	WOONS		KOWD	NORWOOD	MA (US)
STAR	PARCH (RNAV)	7	KFRG	FARMINGDALE	NY (US)
STAR	ROBER	3	KFRG	FARMINGDALE	NY (US)
STAR	PARCH (RNAV)	7	KJFK	NEW YORK	NY (US)
STAR	ROBER	3	KJFK	NEW YORK	NY (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: 42

DATE OF REVISION: 07/14/2022

REASON FOR REVISION:

DELETED FIX USE IAP KFMH ILS OR LOC RWY 32.
 ADDED FIX USE IAP KFMH ILS Z OR LOC Z RWY 32.
 ADDED FIX USE IAP KFMH COPTER ILS Y OR LOC Y RWY 32.
 ADDED MILITARY IAP TO CHARTING.
 ADDED FIX USE J55 AND J68. - MISSING FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 07/14/2022

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: REVSS

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 422043.57N/0714837.07W

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	FAC FEET	MRA	MAA
1	BOSTON	BOS	VOR/DME	H	285.15	269.15	36.52	36.52		14000	45000

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HANSOM	1		KBED	BEDFORD	MA (US)
DP	BEVERLY	1		KBVY	BEVERLY	MA (US)
DP	LOGAN	1		KBOS	BOSTON	MA (US)
DP	REVSS (RNAV)			KBOS	BOSTON	MA (US)
DP	WYLYY (RNAV)			KBOS	BOSTON	MA (US)
DP	LAWRENCE	1		KLWM	LAWRENCE	MA (US)
DP	NORWOOD	1		KOWD	NORWOOD	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. REQUIRED CHARTING: ADDED CONTROLLER LOW AND CONTROLLER HIGH.
2. REMARKS: REMOVED.

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:

RADIO FIX AND HOLDING DATA RECORD

NAME: SANDY POINT VOR/DME **STATE:** RI **COUNTRY:** US **ICAO REGION CODE:** K6
LATITUDE/LONGITUDE: 411002.77N/0713433.91W **TYPE:**
AIRSPACE DOCKET: 21-AEA-17 **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	VL						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	E	SEY	VOR/DME	098.90	278.90	L	1		2000 17500	4 16
2	E	SEY	VOR/DME	094.00	274.00	R	1		1700 7000	4 8
3	E	WP	WP	098.90	278.90	L		4	2000 6000	4 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (44-020409)	410732.60N/0713027.23W	659	8D
2	200	WINDMILL (44-020409)	410732.60N/0713027.23W	659	8D
2	310	WINDMILL (44-020409)	410732.60N/0713027.23W	659	8D
3	200	WINDMILL (44-020409)	410732.60N/0713027.23W	659	8D

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC AIRSPACE BOUNDARIES
 PAT 3 AIR TRAFFIC AIRSPACE BOUNDARIES

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	VOR RWY 28	KBID	BLOCK ISLAND	RI (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 SECONDARY HOLDING FOR JFK APPROACHES (PAT 1).
 ASSIGNED FACILITY MAGVAR: 15W (1985).
 CONTROLLER LOW PER ATC REQUEST.

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	SSOX (RNAV)			KBOS	BOSTON	MA (US)
DP	WYLYY (RNAV)			KBOS	BOSTON	MA (US)
DP	LAWRENCE			KLWM	LAWRENCE	MA (US)
DP	NORWOOD			KOWD	NORWOOD	MA (US)
EN ROUTE	Q220					(US)
EN ROUTE	V268					(US)
EN ROUTE	V34		1			(US)
EN ROUTE	T216					RI (US)
IAP	ILS OR LOC RWY 5			KGON	GROTON (NEW LONDON)	CT (US)
IAP	RNAV (GPS) RWY 33			KGON	GROTON (NEW LONDON)	CT (US)
IAP	VOR RWY 5			KGON	GROTON (NEW LONDON)	CT (US)
IAP	VOR-A			KBOS	BOSTON	MA (US)
IAP	ILS OR LOC RWY 5			KEWB	NEW BEDFORD	MA (US)
IAP	RNAV (GPS) RWY 24			KMTP	MONTAUK	NY (US)
IAP	RNAV (GPS) RWY 6		3	KMTP	MONTAUK	NY (US)
IAP	VOR RWY 28		2	KBID	BLOCK ISLAND	RI (US)
IAP	VOR/DME RWY 10			KBID	BLOCK ISLAND	RI (US)
IAP	LOC RWY 22			KUUU	NEWPORT	RI (US)
IAP	ILS OR LOC RWY 16			KOQU	NORTH KINGSTOWN	RI (US)
IAP	VOR RWY 34			KOQU	NORTH KINGSTOWN	RI (US)
IAP	VOR-A			KOQU	NORTH KINGSTOWN	RI (US)
IAP	LOC RWY 7			KWST	WESTERLY	RI (US)
IAP	RNAV (GPS) RWY 7			KWST	WESTERLY	RI (US)
STAR	NEWBE			KACK	NANTUCKET	MA (US)
STAR	PARCH (RNAV)			KFRG	FARMINGDALE	NY (US)
STAR	ROBER			KFRG	FARMINGDALE	NY (US)
STAR	PARCH (RNAV)			KJFK	NEW YORK	NY (US)
STAR	ROBER			KJFK	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 09/08/2022

REASON FOR REVISION:

1. DELETED V58 FROM FIX USE.
2. ADDED DOCKET NUMBER 21-AEA-17.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: LIAM DONAHUE

APPROVED BY:

DATE: 03/01/2022

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: SSOXS

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 415012.62N/0704446.26W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-11

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	BOSTON	BOS	VOR/DME	H	176.72	160.72	33.06	33.06		8000	45000
2	PROVIDENCE	PVD	VOR/DME	H	091.37	077.37	31.41	31.41		8000	45000

REMARKS:

BOSTON (FAC 1) AND PROVIDENCE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
ATC REQUESTS ENROUTE LOW/HIGH CHARTING FOR VECTORING AND AUTOMATION REQUIREMENTS.

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, 2		KBOS	BOSTON	MA (US)
DP	SSOXS (RNAV)			KBOS	BOSTON	MA (US)
DP	WYLYY (RNAV)			KBOS	BOSTON	MA (US)
DP	LAWRENCE	1, 2		KLWM	LAWRENCE	MA (US)
DP	NORWOOD	1, 2		KOWD	NORWOOD	MA (US)
EN ROUTE	Q167					(US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 09/08/2022

REASON FOR REVISION:

1. AIRSPACE DOCKET: ADDED 21-AEA-11.
2. FIX USE: ADDED Q167.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A412

NAME: MARK CIARLONE

APPROVED BY:

DATE: 09/08/2022

OFFICE: AJV-A410

NAME: JULIE MORGAN

SIGNATURE: