

# RADIO FIX AND HOLDING DATA RECORD

NAME: BARNES VORTAC STATE: MA COUNTRY: US ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 420943.05N/0724258.32W TYPE:

AIRSPACE DOCKET: 20-AEA-10 FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MAA
1	BARNES	BAF	VORTAC	L					45000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	E	BAF	VORTAC	094.75	274.75	L	1		4000	45000	4	29

## CONTROLLING OBSTRUCTIONS:

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

## REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC CONTROL REQUESTED TO PROTECT SECTOR BOUNDARIES

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S).

## REMARKS:

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

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRADLEY			KBDL	WINDSOR LOCKS	CT (US)
DP	HANSCOM			KBED	BEDFORD	MA (US)
DP	BEVERLY			KBVY	BEVERLY	MA (US)
DP	BLZZR (RNAV)			KBOS	BOSTON	MA (US)
DP	LOGAN			KBOS	BOSTON	MA (US)
DP	REVSS (RNAV)			KBOS	BOSTON	MA (US)
DP	WYLYY (RNAV)			KBOS	BOSTON	MA (US)
DP	LAWRENCE			KLWM	LAWRENCE	MA (US)
DP	NORWOOD			KOWD	NORWOOD	MA (US)
DP	NUBLE (RNAV)			KPWM	PORTLAND	ME (US)
DP	PPOINT (RNAV)			KMHT	MANCHESTER	NH (US)
EN ROUTE	Q406					(US)
EN ROUTE	Q448					(US)
EN ROUTE	Q480					(US)
EN ROUTE	T314					(US)
EN ROUTE	V146					(US)
EN ROUTE	V292					(US)
EN ROUTE	V405					(US)
IAP	COPTER ILS OR LOC RWY 6	1		KBDL	WINDSOR LOCKS	CT (US)
IAP	ILS OR LOC RWY 24	1		KBDL	WINDSOR LOCKS	CT (US)
IAP	ILS OR LOC RWY 33	1		KBDL	WINDSOR LOCKS	CT (US)
IAP	ILS OR LOC RWY 6	1		KBDL	WINDSOR LOCKS	CT (US)
IAP	ILS RWY 24 (SA CAT I - II)	1		KBDL	WINDSOR LOCKS	CT (US)
IAP	ILS RWY 6 (CAT II - III)	1		KBDL	WINDSOR LOCKS	CT (US)
IAP	ILS RWY 6 (SA CAT I)	1		KBDL	WINDSOR LOCKS	CT (US)
IAP	VOR/DME-B			K7B2	NORTHAMPTON	MA (US)
IAP	ILS OR LOC RWY 20			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
IAP	VOR OR TACAN RWY 2			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
IAP	VOR RWY 20			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
IAP	RNAV (GPS) RWY 11			KORH	WORCESTER	MA (US)
STAR	NOBBI			KDXR	DANBURY	CT (US)
STAR	STELA			KHFD	HARTFORD	CT (US)
STAR	STELA			KBDL	WINDSOR LOCKS	CT (US)
STAR	HYPER (RNAV)			KHEF	WASHINGTON	DC (US)
STAR	HYPER (RNAV)			KIAD	WASHINGTON	DC (US)
STAR	STELA			KCEF	SPRINGFIELD/CHICOPEE	MA (US)
STAR	STELA			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
STAR	STELA			KORH	WORCESTER	MA (US)
STAR	FLOSI (RNAV)			KEWR	NEWARK	NJ (US)
STAR	SHAFF			KEWR	NEWARK	NJ (US)
STAR	NOBBI			KLGA	NEW YORK	NY (US)
STAR	NOBBI			KHPN	WHITE PLAINS	NY (US)
STAR	HYPER (RNAV)			KCJR	CULPEPER	VA (US)
STAR	HYPER (RNAV)			KEZF	FREDERICKSBURG	VA (US)
STAR	HYPER (RNAV)			KFRR	FRONT ROYAL	VA (US)
STAR	HYPER (RNAV)			KJYO	LEESBURG	VA (US)
STAR	HYPER (RNAV)			KNYG	QUANTICO	VA (US)

QUALITY  
5  
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STAR	HYPER (RNAV)	KRMN	STAFFORD	VA (US)
STAR	HYPER (RNAV)	KHWY	WARRENTON	VA (US)
STAR	HYPER (RNAV)	KOKV	WINCHESTER	VA (US)
STAR	HYPER (RNAV)	KMRB	MARTINSBURG	WV (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 20

**DATE OF REVISION:** 06/17/2021

**REASON FOR REVISION:**

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

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

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

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

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

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

*Digitally signed by*

**SIGNATURE:** **ALLAN WILL**

Mar 11, 2021

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

QUALITY  
5  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: FAIDS

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 421700.75N/0723033.91W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 20-AEA-10

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	CHESTER	CTR	VOR/DME	L	104.22	091.22	19.60	19.60		4000	17500
2	BARNES	BAF	VORTAC	L	065.58	051.58		11.75		3500	17500

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

CHESTER (FAC 1) AND BARNES (FAC 2) USED TO ESTABLISH FIX COORDINATES  
CHART ON SECTIONAL - ATC REQUEST.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T314					(US)
EN ROUTE	V270	1, 2				(US)

REQUIRED CHARTING: SECTIONAL, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 06/17/2021

## REASON FOR REVISION:

TYPE: ADDED WP.

AIRSPACE DOCKET: ADDED 20-AEA-10.

REMARKS: ADDED CHART ON SECTIONAL - ATC REQUEST.

FIX MAKE-UP FACILITIES: EXCHANGED FACS 1 AND 2. REMOVED FAC 2 (BAF) DME - NOT NEEDED FOR CROSSING RADIAL ON V270.

FIX USE: ADDED T314 AND REMOVED V106.

REQUIRED CHARTING: ADDED SECTIONAL - ATC REQUEST.

DISTRIBUTION: CHANGED ATL FPO TO EST FPO.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

*Digitally signed by*

SIGNATURE: **ALLAN WILL**

Mar 11, 2021

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BDL ATCT

OTHER:

QUALITY  
5  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: JOHNS STATE: NH COUNTRY: US ICAO REGION CODE: K6  
 LATITUDE/LONGITUDE: 424322.87N/0714055.80W TYPE: WP, INT, DME  
 AIRSPACE DOCKET: 20-AEA-10 FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	MANCHESTER	MHT	VOR/DME	L	252.81	237.81	16.34	16.34	4000	17500
2	CONCORD	CON	VOR/DME	L	204.00	189.00	30.17	30.17	4000	17500
3	GARDNER	GDM	VOR/DME	L	071.34	057.34	19.75	19.75	4000	17500

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING ALTITUDES DME MIN MAX	TEMPLATES MIN MAX
1	W		WP	251.34	071.34	R		4000 6000	5 13
2	W	GDM	VOR/DME	251.34	071.34	R	1	4000 6000	6 14
3	NE		WP	046.85	226.85	L		3000 5000	5 6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	424024.00N/0715124.00W	1700	4E
1	310	AAO	422921.00N/0715312.00W	2215	4E
2	200	AAO	424024.00N/0715124.00W	1700	4E
2	310	AAO	422921.00N/0715312.00W	2215	4E
3	200	AAO	424509.00N/0714409.00W	1073	4E
3	310	AAO	424312.00N/0715024.00W	1572	4E

## REASON FOR NONSTANDARD HOLDING:

PAT 3 USED FOR ATC TRAFFIC SEQUENCING/COORDINATION

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 32	KASH	NASHUA	NH (US)
2	ILS OR LOC RWY 14	KASH	NASHUA	NH (US)

## REMARKS:

MANCHESTER (FAC 1) AND CONCORD (FAC 2) USED TO ESTABLISH FIX COORDINATES  
 CHART ON SECTIONAL - ATC REQUEST.  
 COORDINATE WITH ZBW - 530 FOR ANY CHANGES IN THIS FIX.  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T314					(US)
IAP	RNAV (GPS) RWY 32			KORE	ORANGE	MA (US)
IAP	ILS OR LOC RWY 14	2, 3	2	KASH	NASHUA	NH (US)
IAP	RNAV (GPS) RWY 32		1	KASH	NASHUA	NH (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 06/17/2021

## REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 20-AEA-10.  
 REMARKS: ADDED CHART ON SECTIONAL - ATC REQUEST.  
 FIX USE: ADDED T314 AND REMOVED V106.  
 REQUIRED CHARTING: ADDED SECTIONAL - ATC REQUEST.  
 DISTRIBUTION: CHANGED ATL FPO TO EST FPO.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE:

Digitally signed by

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

ALLAN WILL

Mar 11, 2021

QUALITY  
5  
CHECKED

**DISTRIBUTION:**    **NFDC**  
                         **FPO:** EST  
                         **ARTCC:** ZBW  
                         **ATC FACILITY:** MHT APP CON, ASH ATCT, BOS APP CON  
                         **OTHER:**

QUALITY  
5  
CHECKED

# 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: 20-AEA-10

FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA FEET	MAA
1	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	NE	ENE	VOR/DME	062.00	242.00	L	1		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		16	17000	45000	29	30
7	NE		WP	062.00	242.00	L		4	3000	6000	5	13
8	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
2	200	AAO	432218.00N/0704009.00W	578	4E
2	310	AAO	432303.00N/0704709.00W	1126	4E
3	200	AAO	432303.00N/0704709.00W	1126	4E
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 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	J55					(US)

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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)
EN ROUTE	V93	1			(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	7	KB19	BIDDEFORD	ME (US)
IAP	VOR RWY 6	3	KB19	BIDDEFORD	ME (US)
IAP	ILS OR LOC RWY 1R		KBXM	BRUNSWICK	ME (US)
IAP	ILS OR LOC RWY 11	2	KPWM	PORTLAND	ME (US)
IAP	ILS OR LOC RWY 29	2	KPWM	PORTLAND	ME (US)
IAP	ILS RWY 11 (CAT II - III)	2	KPWM	PORTLAND	ME (US)
IAP	ILS RWY 11 (SA CAT I)	2	KPWM	PORTLAND	ME (US)
IAP	ILS RWY 29 (SA CAT I-II)	2	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	2	KSFM	SANFORD	ME (US)
IAP	RNAV (GPS) RWY 7	7	KSFM	SANFORD	ME (US)
IAP	VOR RWY 25	4	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)	6	KBOS	BOSTON	MA (US)
STAR	PARCH (RNAV)	8	KFRG	FARMINGDALE	NY (US)
STAR	ROBER	5	KFRG	FARMINGDALE	NY (US)
STAR	PARCH (RNAV)	8	KJFK	NEW YORK	NY (US)
STAR	ROBER	5	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:** 40

**DATE OF REVISION:** 06/17/2021

**REASON FOR REVISION:**

AIRSPACE DOCKET: CHANGED 19-ANE-8 TO 20-AEA-10.

HOLDING: REMOVED PAT 1.

FIX USE: ADDED T314. REMOVED V106 AND V93. REMOVED KDAW RNAV (GPS) RWY 33. REMOVED KSFM RNAV (GPS) RWY 32.

04/05/21: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 03/11/21.

1. HOLDING: ADDED PAT 1 AND ASSOCIATED DATA.

2. FIX USE: ADDED V93 AND PAT 1.

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

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

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

*Digitally signed by*

**SIGNATURE:** **ALLAN WILL**

Apr 09, 2021

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

QUALITY  
49  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: KHRIS STATE: NH COUNTRY: US ICAO REGION CODE: K6  
 LATITUDE/LONGITUDE: 425701.09N/0711535.56W TYPE: WP, INT, DME  
 AIRSPACE DOCKET: 20-AEA-10 FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	MANCHESTER	MHT	VOR/DME	L	059.55	044.55	6.89	6.89	2600	17500
2	CONCORD	CON	VOR/DME	L	154.25	139.25	21.30	21.30	2600	17500
3	PEASE	PSM	VOR/DME	L	263.01	247.01		20.48	2600	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		WP	334.25	154.25	R		4	3000	5000	5	6
2	NW	CON	VOR/DME	154.25	154.25	R	1		3000	5000	5	6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (33-000026)	430349.00N/0711847.00W	1060	4D
1	310	AAO	425927.00N/0713618.00W	1529	4E
2	200	TOWER (33-000026)	430349.00N/0711847.00W	1060	4D
2	310	AAO	425927.00N/0713618.00W	1529	4E

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 6	KMHT	MANCHESTER	NH (US)
2	ILS OR LOC RWY 6	KMHT	MANCHESTER	NH (US)

## REMARKS:

MANCHESTER (FAC 1) AND CONCORD (FAC 2) USED TO ESTABLISH FIX COORDINATES  
 CHART ON SECTIONAL - ATC REQUEST.  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T314					(US)
IAP	ILS OR LOC RWY 6	1, 2	2	KMHT	MANCHESTER	NH (US)
IAP	RNAV (GPS) RWY 6		1	KMHT	MANCHESTER	NH (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16

DATE OF REVISION: 06/17/2021

## REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 20-AEA-10.  
 REMARKS: ADDED CHART ON SECTIONAL - ATC REQUEST.  
 FIX USE: ADDED T314 AND REMOVED V106.  
 REQUIRED CHARTING: ADDED SECTIONAL - ATC REQUEST.  
 REQUIRED DISTRIBUTION: CHANGED ATL FPO TO EST FPO.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE:

Digitally signed by OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: **ALLAN WILL**

Mar 11, 2021

DISTRIBUTION:

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

QUALITY  
 5  
 CHECKED



# RADIO FIX AND HOLDING DATA RECORD

NAME: LAPEL

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 422740.92N/0721215.79W

TYPE: WP

AIRSPACE DOCKET: 20-AEA-10

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

CHART ON SECTIONAL - ATC REQUEST.  
NAME CHANGED FROM LAKESIDE INT. TO LAPEL.

## FIX USE:

USE TYPE  
EN ROUTE

USE TITLE  
T314

FAC PAT AIRPORT IDENT CITY

STATE  
(US)

REQUIRED CHARTING: SECTIONAL, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/17/2021

## REASON FOR REVISION:

TYPE: CHANGED FROM INT TO WP.  
AIRSPACE DOCKET: ADDED 20-AEA-10.  
FIX MAKE-UP FACILITIES: REMOVED FAC 1 (EEN) AND FAC 2 (GDM) - FIX HAS NO CONVENTIONAL NAVAID USAGE.  
REMARKS: ADDED CHART ON SECTIONAL - ATC REQUEST.  
FIX USE: ADDED T314 AND REMOVED V106.  
REQUIRED CHARTING: REMOVED IAP. CHANGED CONTROLLER TO CONTROLLER LOW. ADDED SECTIONAL - ATC REQUEST.  
DISTRIBUTION: CHANGED NYC FPO TO EST FPO.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

*Digitally signed by*

SIGNATURE:

**ALLAN WILL**

Mar 11, 2021

DISTRIBUTION:

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

QUALITY  
5  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: MANCH

STATE: NH

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 425212.03N/0712206.54W

TYPE: WP

AIRSPACE DOCKET: 20-AEA-10

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

CHART ON EN ROUTE HIGH AND CONTROLLER HIGH PER ATC REQUEST.  
CHART ON SECTIONAL - ATC REQUEST.

## FIX USE:

USE TYPE  
DP  
EN ROUTE  
EN ROUTE

USE TITLE  
WYLYY (RNAV)  
T314  
T316

FAC PAT AIRPORT IDENT CITY  
KBOS BOSTON

STATE  
MA (US)  
(US)  
(US)

REQUIRED CHARTING: SECTIONAL, 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:

AIRSPACE DOCKET: ADDED 20-AEA-10.

REMARKS: CHANGED REQUESTED BY ATC TO CHART ON EN ROUTE HIGH AND CONTROLLER HIGH PER ATC REQUEST. ADDED CHART ON SECTIONAL - ATC REQUEST.

FIX USE: ADDED T314 AND T316. ADDED KBOS WYLYY (RNAV) DP.

REQUIRED CHARTING: ADDED SECTIONAL - ATC REQUEST. ADDED DP.

DISTRIBUTION: CHANGED ATL FPO TO EST FPO.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

*Digitally signed by*

SIGNATURE: **ALLAN WILL**

Mar 11, 2021

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BOS APP CON, ASH ATCT

OTHER:

QUALITY  
5  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: PUDGY

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 421938.52N/0722604.25W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 20-AEA-10

FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	BARNES	BAF	VORTAC	L	065.59	051.59	16.00	16.00		10000	17500
2	PUTNAM	PUT	VOR/DME	H	324.44	310.44	34.53	34.53		10000	17500

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

BARNES (FAC 1) USED TO ESTABLISH FIX COORDINATES  
CHART ON SECTIONAL - ATC REQUEST.  
FOR MILITARY USE ONLY.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T314					(US)
IAP	HI-ILS OR LOC RWY 20	1, 2		KBAF	WESTFIELD/SPRINGFIELD	MA (US)
IAP	HI-TACAN RWY 20	1, 2		KBAF	WESTFIELD/SPRINGFIELD	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 06/17/2021

## REASON FOR REVISION:

TYPE: ADDED WP.

AIRSPACE DOCKET: ADDED 20-AEA-10.

REMARKS: ADDED CHART ON SECTIONAL - ATC REQUEST.

FIX USE: ADDED T314 AND REMOVED V106. CHANGED KBAF HI-ILS OR LOC/DME RWY 20 TO HI-ILS OR LOC RWY 20.

REQUIRED CHARTING: CHANGED CONTROLLER TO CONTROLLER LOW. ADDED SECTIONAL - ATC REQUEST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

*Digitally signed by*

SIGNATURE: **ALLAN WILL**

Mar 11, 2021

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BDL APP CON, BAF ATCT

OTHER:

QUALITY  
5  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: RAYMY STATE: NH COUNTRY: US ICAO REGION CODE: K6  
 LATITUDE/LONGITUDE: 430336.89N/0710642.16W TYPE: WP, INT, DME  
 AIRSPACE DOCKET: 20-AEA-10 FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	CONCORD	CON	VOR/DME	L	130.00	115.00	22.51	22.51	2600	17500
2	KENNEBUNK	ENE	VOR/DME	H	242.07	225.07	30.95	30.95	2600	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	SE	CON	VOR/DME	130.00	310.00	R	1		3000	17500	6	18

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	430712.00N/0711154.00W	1181	4E

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

CONCORD (FAC 1) AND KENNEBUNK (FAC 2) USED TO ESTABLISH FIX COORDINATES  
 CHART ON SECTIONAL - ATC REQUEST.  
 PRECIPITOUS TERRAIN EVALUATION COMPLETE.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PPOINT (RNAV)			KMHT	MANCHESTER	NH (US)
EN ROUTE	T314					(US)
IAP	RNAV (GPS) RWY 23			KLWM	LAWRENCE	MA (US)
IAP	ILS OR LOC RWY 35			KCON	CONCORD	NH (US)
IAP	RNAV (GPS) RWY 35			KCON	CONCORD	NH (US)
IAP	ILS OR LOC RWY 16	1, 2	1	KPSM	PORTSMOUTH	NH (US)
IAP	ILS OR LOC RWY 34	1, 2	1	KPSM	PORTSMOUTH	NH (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 06/17/2021

## REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 20-AEA-10.  
 FIX MAKE-UP FACILITIES: REMOVED FAC 1 (MHT). CHANGED FAC 2 (ENE) MAG/TRUE BRG FROM 242.08/225.08 TO 242.07/225.07. CHANGED FAC 2 (ENE) MRA FROM 5500 TO 2600.  
 HOLDING: REMOVED PAT 2 - V106 IS CANCELLING. REMOVED PAT 1 (MHT) AND ADDED PAT 1 (CON) WITH ASSOCIATED DATA.  
 REMARKS: ADDED CHART ON SECTIONAL - ATC REQUEST. CHANGED FIX COORDINATES REMARK FROM MANCHESTER AND CONCORD TO CONCORD AND KENNEBUNK.  
 FIX USE: ADDED T314 AND REMOVED V106. REMOVED (ALT MISS) FROM IAPS.  
 REQUIRED CHARTING: ADDED SECTIONAL - ATC REQUEST.  
 DISTRIBUTION: ADDED PSM ATCT.

03/16/21: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/28/20.  
 1. FIX MAKE-UP FACILITIES: ADDED FAC 1 (CON) DME 22.51 NM.

INITIATED BY: DATE: ORGANIZATION: NAME:  
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 NAME: BARRY SMITH  
 APPROVED BY: DATE: OFFICE: AJV-A420 NAME: MARLON ROBINSON  
 SIGNATURE: *Digitally signed by*  
 ALLAN WILL  
 Mar 18, 2021

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

QUALITY  
 49  
 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: YUKES

STATE: ME

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 431647.89N/0704847.74W

TYPE: WP

AIRSPACE DOCKET: 20-AEA-10

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

CHART ON SECTIONAL - ATC REQUEST.  
TRANSFER FIX BETWEEN MANCHESTER AND PORTLAND APPROACH.

## FIX USE:

USE TYPE  
EN ROUTE

USE TITLE  
T314

FAC PAT AIRPORT IDENT CITY

STATE  
(US)

REQUIRED CHARTING: SECTIONAL, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 06/17/2021

## REASON FOR REVISION:

TYPE: REMOVED INT AND DME. ADDED WP.  
AIRSPACE DOCKET: ADDED 20-AEA-10.  
FIX MAKE-UP FACILITIES: REMOVED FAC 1 (ENE) AND FAC 2 (PSM) - FIX HAS NO CONVENTIONAL NAVAID USAGE.  
REMARKS: REMOVED FIX COORDINATES REMARK. ADDED CHART ON SECTIONAL - ATC REQUEST.  
FIX USE: ADDED T314. REMOVED V3 AND V106.  
REQUIRED CHARTING: ADDED SECTIONAL - ATC REQUEST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

*Digitally signed by*

SIGNATURE: **ALLAN WILL**

Mar 11, 2021

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZBW  
ATC FACILITY: MHT ATCT  
OTHER: PWM ATCT, BGR FSS

QUALITY  
5  
CHECKED