

# RADIO FIX AND HOLDING DATA RECORD

NAME: BLSSM

STATE: NH

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 430450.93N/0713358.71W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

IAP

IAP

USE TITLE

ILS OR LOC RWY 17

RNAV (GPS) Y RWY 17

FAC

PAT

AIRPORT IDENT

KMHT

KMHT

CITY

MANCHESTER

MANCHESTER

STATE

NH (US)

NH (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

AMENDED ILS OR LOC/DME RWY 17 TO ILS OR LOC RWY 17 AT KMHT IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 03/06/2018

OFFICE: AJV-5422

NAME: PETER GUIMOND

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BOS APP CON

OTHER:

# 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:

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	CONCORD	CON	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	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	10
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 PATTERN(S)

## 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).  
 CHART PATTERN 1 ON ENROUTE LOW PER ATC REQUEST.

## 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	ENROUTE LOW		1			(US)
EN ROUTE	T295					(US)
EN ROUTE	T395					(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	VOR-A		2	KCON	CONCORD	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 35		1	KMHT	MANCHESTER	NH (US)
IAP	ILS OR LOC RWY 6			KMHT	MANCHESTER	NH (US)
IAP	ILS RWY 35 (CAT II & III)		1	KMHT	MANCHESTER	NH (US)
IAP	ILS RWY 35 (SA CAT I)		1	KMHT	MANCHESTER	NH (US)
IAP	RNAV (GPS) RWY 24		3	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) RWY 15 KDAW ROCHESTER NH (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 29

**DATE OF REVISION:** 12/01/2022

**REASON FOR REVISION:**

UPDATED FIX USE, ADDED KDAW RNAV (GPS) RWY 15, ADDED ENROUTE LOW AND PATTERN 1 USE.  
ADDED REMARK CHART PATTERN 1 ON ENROUTE LOW PER ATC REQUEST.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

**NAME:** PHILLIP BRANDENBURG

**APPROVED BY:**

**DATE:** 12/01/2022

**OFFICE:** AJV-A420

**NAME:** ALLAN WILL

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** LYLAC

**STATE:** NH

**COUNTRY:** US

**ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 430346.00N/0713933.00W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** NO CHANGE

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

**FIX USE:**

**USE TYPE**  
IAP  
IAP

**USE TITLE**  
ILS OR LOC RWY 17  
RNAV (GPS) Y RWY 17

**FAC**

**PAT**

**AIRPORT IDENT**  
KMHT  
KMHT

**CITY**  
MANCHESTER  
MANCHESTER

**STATE**  
NH (US)  
NH (US)

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1

**DATE OF REVISION:** 07/19/2018

**REASON FOR REVISION:**

AMENDED ILS OR LOC/DME RWY 17 TO ILS OR LOC RWY 17 AT KMHT IN FIX USE.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**DEVELOPED BY:**

**DATE:** 03/06/2018

**OFFICE:** AJV-5422

**NAME:** PETER GUIMOND

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-5420

**NAME:** JULIE MORGAN

**SIGNATURE:**

**DISTRIBUTION:**

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

# 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: CANCEL

## 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						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	SE	MHT	VOR/DME	157.00	337.00	L	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

## REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

## REMARKS:

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

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 4R			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	RNAV (GPS) RWY 21			6B6	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 17		1	KMHT	MANCHESTER	NH (US)
IAP	ILS OR LOC RWY 6			KMHT	MANCHESTER	NH (US)
IAP	ILS OR LOC RWY 14			KASH	NASHUA	NH (US)
STAR	GARDNER			KBOS	BOSTON	MA (US)
STAR	ROBER			KJFK	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 33

DATE OF REVISION: 10/05/2023

## REASON FOR REVISION:

1. FIX USE: UPDATED TO REMOVE PREVIOUSLY DELETED IFPS. MHT VORMON KBOS: ILS OR LOC RWY 33, KFIT: NDB-A & RNAV (GPS) RWY 32; KLWM: ILS OR LOC RWY 5 & RNAV (GPS) RWY 23; KMHT: DP MANCHESTER, NH MANCHESTER; KOWD: DP NORWOOD, MA NORWOOD; KPWM: DP PORTLAND, ME PORTLAND.  
 2. REQUIRED CHARTING: REMOVED DP.  
 3. REMOVED AIRSPACE DOCKET NUMBER.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: NAME:

APPROVED BY: DATE: 05/16/2024 OFFICE: AJV-A432 NAME: CASIMIR TABAKA

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: ORDIE

STATE: NH

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 430010.22N/0712832.59W

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	FEET	MRA	MAA
1	MANCHESTER	I-MNA	LOC/DME		351.52	336.52	3.75	5.68	34529	1600	4700

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

I-MNA DME COORDINATES: 425642.13N/0712635.39W.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17	1		KMHT	MANCHESTER	NH (US)
IAP	RNAV (GPS) Y RWY 17			KMHT	MANCHESTER	NH (US)
IAP	RNAV (RNP) Z RWY 17			KMHT	MANCHESTER	NH (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 07/19/2018

## REASON FOR REVISION:

1. AMENDED ILS OR LOC/DME RWY 17 TO ILS OR LOC RWY 17 AT KMHT IN FIX USE.
2. DELETED IPDS BUILD COORDINATES REMARK.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 03/06/2018

OFFICE: AJV-5422

NAME: PETER GUIMOND

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: PURBL

STATE: NH

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 425744.52N/0714038.57W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

### USE TYPE

IAP  
IAP  
IAP  
STAR

### USE TITLE

ILS OR LOC RWY 17  
RNAV (GPS) Y RWY 17  
RNAV (RNP) Z RWY 17  
ROZZE (RNAV)

### FAC

### PAT

### AIRPORT IDENT

KMHT  
KMHT  
KMHT  
KMHT

### CITY

MANCHESTER  
MANCHESTER  
MANCHESTER  
MANCHESTER

### STATE

NH (US)  
NH (US)  
NH (US)  
NH (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/19/2018

## REASON FOR REVISION:

1. AMENDED ILS OR LOC/DME RWY 17 TO ILS OR LOC RWY 17 AT KMHT IN FIX USE.
2. DELETED IPDS BUILD COORDINATES REMARK.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 03/06/2018

OFFICE: AJV-5422

NAME: PETER GUIMOND

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: SITLE

STATE: NH

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 425755.39N/0712712.74W

TYPE: 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 NM	FAC FEET	MRA	MAA
1	MANCHESTER	I-MNA	LOC/DME		351.52	336.52	1.30	3.23		700	4700

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

I-MNA DME COORDINATES: 425642.13N/0712635.39W

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17	1		KMHT	MANCHESTER	NH (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 07/19/2018

## REASON FOR REVISION:

AMENDED ILS OR LOC/DME RWY 17 TO ILS OR LOC RWY 17 AT KMHT IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 03/06/2018

OFFICE: AJV-5422

NAME: PETER GUIMOND

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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