

# RADIO FIX AND HOLDING DATA RECORD

NAME: IRSEW

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 421921.56N/0710131.91W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

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	LOGAN INTL	I-BOS	LOC/DME		214.74	199.74	3.81	3.80		600	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

DME COORDINATES: 422257.47N/0705950.81W.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 04R	1		KBOS	BOSTON	MA (US)
IAP	ILS RWY 4R (CAT II-III)	1		KBOS	BOSTON	MA (US)
IAP	ILS RWY 4R (SA CAT I)	1		KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) RWY 04R			KBOS	BOSTON	MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 10/12/2017

## REASON FOR REVISION:

1. I-BOS MAG BRG CHANGED FROM 215.74 TO 214.74 - AIRPORT AND LOCALIZER MAG VAR CHANGED FROM 16W TO 15W.
2. ADDED KBOS ILS RWY 4R (SA CAT I) AND ILS RWY 4R (CAT II-III) TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 03/14/2017

OFFICE: AJV-5412

NAME: MIKE MELSEN

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: NABBO

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 421142.68N/0710513.20W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

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	LOGAN INTL	I-BOS	LOC/DME		214.74	199.74	11.93	11.92		3000	8000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-BOS	LOC/DME	R-215	30	3000	10000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

DME COORDINATES: 422257.47N/0705950.81W.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 04R	1		KBOS	BOSTON	MA (US)
IAP	ILS RWY 04R (CAT II)	1		KBOS	BOSTON	MA (US)
IAP	ILS RWY 04R (CAT III)	1		KBOS	BOSTON	MA (US)
IAP	ILS RWY 04R (SA CAT I)	1		KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) RWY 04R			KBOS	BOSTON	MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 10/12/2017

## REASON FOR REVISION:

1. MAG BRG CHANGED FROM 215.74 TO 214.74 DUE TO MAG VAR UPDATING FROM 16W TO 15W.
2. CHANGED ESV RADIAL/BEARING FROM R-216 TO R-215.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 03/15/2017

OFFICE: AJV-5412

NAME: MIKE MELSEN

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: WAXEN

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 423504.42N/0705446.69W

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	029.99	013.99	14.04	14.04		3000	17500
2	MANCHESTER	MHT	VOR/DME	L	145.00	130.00	26.42	26.42		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	NE	BOS	VOR/DME	029.99	209.99	L	1		3000	8000	5	9
2	NE		WP	028.99	208.99	L		4	3000	8000	5	9
3	SE	MHT	VOR/DME	145.00	325.00	R	1		3000	6000	5	6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	424218.00N/0705333.00W	499	3E
2	200	AAO	424218.00N/0705333.00W	499	3E
3	200	AAO	423957.00N/0705324.00W	476	3E

## REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC APPROVED  
PAT 2 ATC REQUESTED

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

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

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V3	1, 2				(US)
IAP	ILS OR LOC RWY 33L	1, 2	1	KBOS	BOSTON	MA (US)
IAP	ILS OR LOC RWY 4R	1, 2	1, 3	KBOS	BOSTON	MA (US)
IAP	ILS RWY 04R (CAT II)	1, 2	1, 3	KBOS	BOSTON	MA (US)
IAP	ILS RWY 04R (CAT III)	1, 2	1, 3	KBOS	BOSTON	MA (US)
IAP	ILS RWY 04R (SA CAT I)	1, 2	1, 3	KBOS	BOSTON	MA (US)
IAP	ILS RWY 33L (CAT II)	1, 2	1	KBOS	BOSTON	MA (US)
IAP	ILS RWY 33L (CAT III)	1, 2	1	KBOS	BOSTON	MA (US)
IAP	ILS RWY 33L (SA CAT I)	1, 2	1	KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) RWY 04R		2	KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) Y RWY 33L		2	KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) Z RWY 33L		2	KBOS	BOSTON	MA (US)
IAP	VOR/DME-A	1, 2	1	KBOS	BOSTON	MA (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 04/25/2019

## REASON FOR REVISION:

1. ADDED RNAV (GPS) Y RWY 33L TO FIX USE.
2. CHANGED FIX USE IAP FROM "RNAV (GPS) RWY 33L" TO "RNAV (GPS) Z RWY 33L"
3. ADDED FAC #2 TO FIX USE IAP ILS RWY 04R (SA CAT I).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5433

NAME: JAMES LAFFERTY

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

OTHER:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** WINNI **STATE:** MA **COUNTRY:** US **ICAO REGION CODE:** K6  
**LATITUDE/LONGITUDE:** 420701.71N/0710728.22W **TYPE:** WP, RADAR, 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	FAC FEET	MRA	MAA
1	LOGAN INTL	I-BOS	LOC/DME		214.74	199.74	16.90	16.89		3000	10000
2	BOSTON	BOS	VOR/DME	H	218.70	202.70	15.62	15.62		3000	17500

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-BOS	LOC/DME	R-215	30	3000	10000

**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	SW	BOS	VOR/DME	218.70	038.70	R	1		3000	6000	5	6
2	SW		WP	217.70	037.70	R		4	3000	6000	5	6

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	420700.00N/0711254.00W	719	4E
2	200	AAO	420700.00N/0711254.00W	719	4E

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**REMARKS:**

LOGAN INTL (FAC 1) USED TO ESTABLISH FIX COORDINATES  
 LOC/DME COORDINATES: 42257.47N/0705950.81W.  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 04R	1		KBOS	BOSTON	MA (US)
IAP	ILS OR LOC RWY 22L	2	1	KBOS	BOSTON	MA (US)
IAP	ILS RWY 04R (CAT II)	1		KBOS	BOSTON	MA (US)
IAP	ILS RWY 04R (CAT III)	1		KBOS	BOSTON	MA (US)
IAP	ILS RWY 04R (SA CAT I)	1		KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) RWY 04R			KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) RWY 22L		2	KBOS	BOSTON	MA (US)
STAR	ROBUC (RNAV)			KBOS	BOSTON	MA (US)

**REQUIRED CHARTING:** STAR, IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 5 **DATE OF REVISION:** 10/12/2017

**REASON FOR REVISION:**

1. I-BOS MAG BRG CHANGED FROM 215.74 TO 214.74 DUE TO MAG VAR CHANGING FROM 16W TO 15W.
2. CHANGED HOLDING PATTERN 2 CRS INBOUND AND RAD/CRS/BRG FROM 038.70/218.70 TO 037.70/217.70 DUE TO MAG VAR CHANGING FROM 16W TO 15W.
3. CHANGED ESV RADIAL/BEARING FROM R-216 TO R-215.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>DEVELOPED BY:</b>	<b>DATE:</b> 03/15/2017	<b>OFFICE:</b> AJV-5412	<b>NAME:</b> MIKE MELSSEN
<b>APPROVED BY:</b>	<b>DATE:</b>	<b>OFFICE:</b> AJV-5410	<b>NAME:</b> GEORGE DAVIS

**SIGNATURE:**

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