

# RADIO FIX AND HOLDING DATA RECORD

NAME: HANAA

STATE: NY

COUNTRY: US

LATITUDE/LONGITUDE: 431152.06N/0733646.17W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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		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:**

PAT	AIRSPEED	OBSTRUCTION
2	265	AAO

COORDINATES  
433624.00N/0733154.00W

ELEVATION  
2851

ACCURACY CODE  
4E

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**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 TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HANSCOM			KBED	BEDFORD	MA (US)
DP	LOGAN			KBOS	BOSTON	MA (US)
DP	HSKEL (RNAV)			KPWM	PORTLAND	ME (US)
EN ROUTE	Q816		1			(US)
IAP	BEVERLY			KBVY	BEVERLY	MA (US)
STAR	FLOSI (RNAV)		2	KEWR	NEWARK	NJ (US)
STAR	SHAFF		2	KEWR	NEWARK	NJ (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 07/21/2016

**REASON FOR REVISION:**

FIX ADDED TO BEVERLY DP.

DEVELOPED BY:

DATE: 01/28/2016

OFFICE: AJV-5412

NAME: HOWARD HAWKINS

APPROVED BY:

DATE:

*Digitally signed by*

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE: DONALD H LANIER

Apr 26, 2016

DISTRIBUTION:

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

QUALITY  
3  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: ONEPS

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 420828.26N/0720928.84W

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	BARNES	BAF	VORTAC	L	106.68	092.68	24.94	24.94		12000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BAF	VORTAC	R-107	25	18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## 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	WYLYY (RNAV)			KBOS	BOSTON	MA (US)
DP	LAWRENCE	1		KLWM	LAWRENCE	MA (US)
DP	NORWOOD	1		KOWD	NORWOOD	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 07/21/2016

## REASON FOR REVISION:

FIX REMOVED FROM BEVERLY DP.

DEVELOPED BY:

DATE: 01/28/2016

OFFICE: AJV-5412

NAME: HOWARD HAWKINS

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

*Digitally signed by*

SIGNATURE: **DONALD H LANIER**

Apr 26, 2016

DISTRIBUTION:

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

QUALITY  
3  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: SPENO

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 421648.55N/0720914.70W

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	FAC FEET	MRA	MAA
1	WORCESTER	I-RSR	LOC		288.84	273.84	11.65	12.95		3000	5400
2	GARDNER	GDM	VOR/DME	L	209.00	195.00	16.50	16.50		3000	17500
3	CHESTER	CTR	VOR/DME	L	103.82	090.82	35.43	35.43		18000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CTR	VOR/DME	R-104	36	18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

GARDNER (FAC 2) AND WORCESTER (FAC 1) USED TO ESTABLISH FIX COORDINATES  
DEPICT FAC 3 (CTR) ON HIGH ENROUTE CHARTS PER ATC REQUEST FOR VECTORING AND AUTOMATION REQUIREMENTS.  
I-RSR DME COODINATES: 421605.50N/0715334.53W

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BLZZR (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)
EN ROUTE	V229	1, 2				(US)
EN ROUTE	V270	1, 2				(US)
IAP	RNAV (GPS) RWY 32			KORE	ORANGE	MA (US)
IAP	ILS OR LOC RWY 11	1, 2		KORH	WORCESTER	MA (US)
IAP	RNAV (GPS) RWY 11			KORH	WORCESTER	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 07/21/2016

## REASON FOR REVISION:

FIX REMOVED FROM BEVERLY DP.

DEVELOPED BY:

DATE: 01/28/2016

OFFICE: AJV-5412

NAME: HOWARD HAWKINS

APPROVED BY:

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