

# RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: NANTUCKET VOR/DME

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 411654.79N/0700136.16W

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 NM	FAC 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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NE	ACK	VOR/DME	061.00	241.00	R	1		1800	4000	4	4

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (25-000194)	411648.00N/0701003.00W	478	5D
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:

PRECIPITIOUS 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	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	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)
DP	SKORR (RNAV)			KJFK	NEW YORK	NY (US)
EN ROUTE	J585					(US)
EN ROUTE	J62					(US)
EN ROUTE	J68					(US)
EN ROUTE	J97					(US)
EN ROUTE	T216					(US)
EN ROUTE	V141					(US)
EN ROUTE	V146					(US)
EN ROUTE	V34					(US)
EN ROUTE	V46					(US)
EN ROUTE	V58					(US)
IAP	NDB - A			KCQX	CHATHAM	MA (US)
IAP	RNAV (GPS) - B			KCQX	CHATHAM	MA (US)
IAP	COPTER ILS OR LOC RWY 23			KFMH	FALMOUTH	MA (US)
IAP	ILS OR LOC RWY 23			KFMH	FALMOUTH	MA (US)
IAP	ILS OR LOC RWY 32			KFMH	FALMOUTH	MA (US)
IAP	RNAV (GPS) RWY 23			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 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/DME 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)

QUALITY  
5  
CHECKED

STAR	ROBER	KFRG	FARMINGDALE	NY (US)
STAR	ROBER	KJFK	NEW YORK	NY (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 14

**DATE OF REVISION:** 09/15/2016

**REASON FOR REVISION:**

REMOVED KGHG - NDB RWY 6 FROM FIX USE.

**DEVELOPED BY:**                      **DATE:** 03/29/2016                      **OFFICE:** AJV-5412                      **NAME:** LIAM DONAHUE

**APPROVED BY:**                      **DATE:**                      **OFFICE:** AJV-5410                      **NAME:** MARLON ROBINSON

**SIGNATURE:**

**DISTRIBUTION:**

NFDC  
FPO: EST  
ARTCC: ZBW, ZNY  
ATC FACILITY: ACK ATCT  
OTHER:



# RADIO FIX AND HOLDING DATA RECORD

CANCEL

NAME: BOGEY LOM

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 414256.00N/0701208.10W

TYPE: 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	BOGEY	HY	LOM							17500
2	HYANNIS	I-HYA	LOC/DME			049.81	4.81		1400	4500
3	NANTUCKET	ACK	VOR/DME	H	358.13	343.13			1400	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	HY	LOM	065.81	245.81	R	1		1700	10000	4	9
2	NE	I-HYA	LOC	065.81	245.81	R	1		1700	4500	4	6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (22-0353)	414346.00N/0700959.00W	428	5D
2	200	TOWER (22-0353)	414346.00N/0700959.00W	428	5D

## REMARKS:

COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE BOGEY OM.  
ACTUAL FACILITY LOCATION IS 414258.20N/0701210.57W.  
HOLDING LIMITED TO ESTABLISHED PATTERN.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	BARNSTABLE MUNI-BOARDMAN/POLANDO FIELD - VOR RWY 6 (PAT 1), ILS OR LOC RWY 15 (PAT 1), ILS OR LOC RWY 24 (PAT 1 ALT MA)(PAT 2)			KHYA	HYANNIS	MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 07/02/2009

## REASON FOR REVISION:

DELETED FAC 4, KHYA R24  
REMOVED WP AS FIX TYPE

DEVELOPED BY:

DATE: 01/28/2009

OFFICE: AVN-101

NAME: EUGENE NEWTON (RAKE MCGRAW)

APPROVED BY:

DATE: 04/01/2009

OFFICE: AVN-110

NAME: PETER GETZ

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZBW  
ATC FACILITY: BOS/CAPE APP CON  
OTHER: HYA ATCT

QUALITY  
5  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: BOGEY

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 414306.37N/0701151.60W

TYPE: INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

**FIX MAKE-UP FACILITIES:**

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	HYANNIS	I-HYA	LOC/DME		065.82	049.82	5.08	5.06	30726	1400	4500
2	NANTUCKET	ACK	VOR/DME	H	358.65	343.65		27.29		1400	17500
3	MARTHAS VINEYARD	MVY	VOR/DME	L	058.92	043.92	26.89	26.89		1400	17500

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

**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	I-HYA	LOC/DME	065.82	245.82	R	1	1700 4500	4 6
2	NE	MVY	VOR/DME	058.92	238.92	R	1	1700 6000	4 6

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPACE	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (25-000353)	414344.50N/0700959.87W	423	1A
2	200	TOWER (25-000353)	414344.50N/0700959.87W	423	1A

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**REMARKS:**

HYANNIS (FAC 1) AND NANTUCKET (FAC 2) USED TO ESTABLISH FIX COORDINATES  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 I-HYA DME COORDINATES: 413952.00N/0701705.35W.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 15	2, 3	2	KHYA	HYANNIS	MA (US)
IAP	ILS OR LOC RWY 24	1, 2	1	KHYA	HYANNIS	MA (US)
IAP	ILS OR LOC RWY 24 (ALTERNATE MA)	2, 3	2	KHYA	HYANNIS	MA (US)
IAP	VOR RWY 6	2, 3	2	KHYA	HYANNIS	MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/15/2016

DEVELOPED BY: DATE: 04/01/2016

OFFICE: AJV-5412

NAME: GEORGETTE BARNETT

APPROVED BY: DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC  
 FPO: EST  
 ARTCC: ZBW  
 ATC FACILITY: BOS/CAPE APP CON  
 OTHER: HYA ATCT

QUALITY  
5  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: CFCFW

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 414540.94N/0700746.62W

TYPE: CNF

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:  
USE TYPE  
IAP

USE TITLE  
ILS OR LOC RWY 24

FAC PAT

AIRPORT IDENT CITY  
KHYA HYANNIS

STATE  
MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/15/2016

DEVELOPED BY: DATE: 04/22/2016

OFFICE: AJV-5412

NAME: GEORGETTE BARNETT

APPROVED BY: DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

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

QUALITY  
5  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: GAILS

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 415208.51N/0702407.69W

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	MRA FEET	MAA
1	BOSTON	BOS	VOR/DME	H	153.96	137.96	39.32	39.32	3000	17500
2	PROVIDENCE	PVD	VOR/DME	H	093.00	079.00		46.92	3000	17500
3	NANTUCKET	ACK	VOR/DME	H	349.48	334.48	39.06	39.06	1700	17500
4	MARCONI	LFV	VOR/DME	H	257.58	241.58		18.60	2500	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
PVD	VOR/DME	R-093	47	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	S		WP	170.23	350.23	R	4	2000 6000	4 6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	414403.00N/0702057.00W	240	4E

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

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

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V141	1, 3, 4				(US)
EN ROUTE	V151	2				(US)
IAP	COPTER ILS OR LOC RWY 23	1, 4		KFMH	FALMOUTH	MA (US)
IAP	ILS OR LOC RWY 23	1, 4		KFMH	FALMOUTH	MA (US)
IAP	RNAV (GPS) RWY 14			KFMH	FALMOUTH	MA (US)
IAP	ILS OR LOC RWY 24			KHYA	HYANNIS	MA (US)
IAP	RNAV (GPS) RWY 6			KHYA	HYANNIS	MA (US)
IAP	NDB RWY 24			KGHG	MARSHFIELD	MA (US)
IAP	RNAV (GPS) RWY 24			KGHG	MARSHFIELD	MA (US)
IAP	RNAV (GPS) RWY 15	1		KPYM	PLYMOUTH	MA (US)
IAP	RNAV (GPS) RWY 24	1		KPYM	PLYMOUTH	MA (US)
IAP	RNAV (GPS) RWY 30			KTAN	TAUNTON	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 09/15/2016

## REASON FOR REVISION:

REMOVED KACK STEWY ONE(RNAV) FROM FIX USE.

DEVELOPED BY:

DATE: 03/28/2016

OFFICE: AJV-5413

NAME: DANA MITCHELL (PATRICK AVILES-WYNKOOP)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

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

QUALITY  
5  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: MARCONI VOR/DME

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 420101.88N/0700214.04W

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	MRA FEET	MAA
1	MARCONI	LFV	VOR/DME	H						45000

## FIX RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## 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	1-1 1/2	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)	414649.00N/0700035.00W	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

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

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

## 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	J150					(US)
EN ROUTE	J174					(US)
EN ROUTE	J79					(US)
EN ROUTE	VI67					(US)
IAP	ILS OR LOC RWY 22L			KBOS	BOSTON	MA (US)
IAP	ILS OR LOC/DME RWY 15R			KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) - B			KCQX	CHATHAM	MA (US)
IAP	COPTER ILS OR LOC RWY 23			KFMH	FALMOUTH	MA (US)
IAP	ILS OR LOC 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/DME RWY 06			KPYM	PLYMOUTH	MA (US)
IAP	RNAV (GPS) RWY 24			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, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

QUALITY  
5  
CHECKED

RECORD REVISION NUMBER: 13

DATE OF REVISION: 09/15/2016

**REASON FOR REVISION:**

DELETED KACK STEWY ONE(RNAV) FROM FIX USE.

**DEVELOPED BY:****DATE:** 03/28/2016**OFFICE:** AJV-5413**NAME:** DANA MITCHELL (PATRICK AVILES-WYNKOOP)**APPROVED BY:****DATE:****OFFICE:** AJV-5410**NAME:** MARLON ROBINSON**SIGNATURE:****DISTRIBUTION:**NFDC  
FPO: EST  
ARTCC: ZBW  
ATC FACILITY: K90  
OTHER:QUALITY  
5  
CHECKED