

RADIO FIX AND HOLDING DATA RECORD

NAME: CANAN **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6
LATITUDE/LONGITUDE: 422934.22N/0732648.07W **TYPE:** WP, INT, DME
AIRSPACE DOCKET: 19-ANE-5 **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	ALBANY	ALB	VORTAC	L	146.90	133.90	21.96	21.96	6000	17500
2	CAMBRIDGE	CAM	VOR/DME	L	202.62	188.62	30.42	30.42	5000	17500
3	ROCKDALE	RKA	VOR/DME	L	099.25	088.25	79.60	79.60	11000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
RKA	VOR/DME	R-099	80	11000	17500

FIX RESTRICTIONS:

MCA T300 3600 SOUTHEAST BOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ALBANY (FAC 1) AND CAMBRIDGE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALBANY			KALB	ALBANY	NY (US)
EN ROUTE	T300					(US)
EN ROUTE	V203	1, 2				(US)
EN ROUTE	V487	1, 2				NY (US)
IAP	RNAV (GPS) RWY 28			KALB	ALBANY	NY (US)
IAP	RNAV (GPS) Y RWY 1			KALB	ALBANY	NY (US)
STAR	STELA	1, 2, 3		KHFD	HARTFORD	CT (US)
STAR	STELA	1, 2, 3		KBDL	WINDSOR LOCKS	CT (US)
STAR	STELA	1, 2, 3		KCEF	SPRINGFIELD/CHICOPEE	MA (US)
STAR	STELA	1, 2, 3		KBAF	WESTFIELD/SPRINGFIELD	MA (US)
STAR	STELA	1, 2, 3		KORH	WORCESTER	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

ADDED "AIRSPACE DOCKET: 19-ANE-5".
 ADDED "MCA T300 3600 SOUTHEAST BOUND" TO FIX RESTRICTIONS.
 AMENDED REQUIRED CHARTING FROM "CONTROLLER" TO "CONTROLLER LOW".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: KELLY CARLSON

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

WARDELL HENNING

Jun 08, 2020

DISTRIBUTION:

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

QUALITY
 3
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: COBOL

STATE: MA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 420513.30N/0725314.06W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 19-ANE-5

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	253.58	239.58	8.86	8.86		3000	17500
2	CHESTER	CTR	VOR/DME	L	180.23	167.23		12.56		3000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

BARNES (FAC 1) AND CHESTER (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T300					(US)
EN ROUTE	V405	1, 2				(US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

ADDED "AIRSPACE DOCKET: 19-ANE-5".
AMENDED REQUIRED CHARTING FROM "CONTROLLER" TO "CONTROLLER LOW".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: KELLY CARLSON

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

WARDELL HENNING

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BDL APP CON

OTHER:

Jun 08, 2020

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FALMA

STATE: RI

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 412222.16N/0711016.25W

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	MAA
1	MARTHAS VINEYARD	MVY	VOR/DME	L	282.00	267.00	25.26	25.26	2000	17500
2	PROVIDENCE	PVD	VOR/DME	H	165.00	151.00		24.08	2000	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	W	MVY	VOR/DME	282.00	102.00	R	1		2000	10000	4	10
2	W		WP	274.00	094.00	R		4	3000	10000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	260' SHIP	412055.00N/0711409.00W	260	2C
2	200	260' SHIP	412055.00N/0711409.00W	260	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

MARTHAS VINEYARD (FAC 1) AND PROVIDENCE (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	T255					(US)
EN ROUTE	V130	1, 2	1			(US)
EN ROUTE	V374	1, 2	1			(US)
EN ROUTE	V405	1, 2				(US)
IAP	RNAV (GPS) RWY 5			KFMH	FALMOUTH	MA (US)
IAP	RNAV (GPS) RWY 32			KEWB	NEW BEDFORD	MA (US)
IAP	RNAV (GPS) RWY 15			KMVY	VINEYARD HAVEN	MA (US)
IAP	RNAV(GPS) RWY 6			KMVY	VINEYARD HAVEN	MA (US)
IAP	RNAV(GPS) RWY 28			KBID	BLOCK ISLAND	RI (US)
IAP	ILS OR LOC RWY 16	1, 2	1	KOQU	NORTH KINGSTOWN	RI (US)
IAP	RNAV (GPS) RWY 34			KOQU	NORTH KINGSTOWN	RI (US)
IAP	RNAV(GPS) RWY 16		2	KOQU	NORTH KINGSTOWN	RI (US)
IAP	VOR-A	1, 2	1	KOQU	NORTH KINGSTOWN	RI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

DELETED "EN ROUTE T300" FROM FIX USE.
SPLIT "V130-374" INTO SEPARATE FIX USES "V130" AND "V347".
AMENDED REQUIRED CHARTING FROM "CONTROLLER" TO "CONTROLLER LOW".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: KELLY CARLSON

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

WARDELL HENNING

DISTRIBUTION:

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

Jun 08, 2020

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JONNN **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6
LATITUDE/LONGITUDE: 443413.71N/0740138.96W **TYPE:** WP, INT, DME
AIRSPACE DOCKET: 19-ANE-5 **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	SARANAC LAKE	I-SLK	LOC		048.90	034.90		14.06	5400	6100
2	BURLINGTON	BTW	VOR/DME	L	301.29	286.29	37.75	37.75	5400	6100
3	SARANAC LAKE	SLK	VOR/DME	L			13.50	13.50	5400	6100

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 MIN DME	MAX	TEMPLATES MIN	MAX
1	NE		WP	049.03	229.03	R		5400	7000	6	9
2	NE	I-SLK	LOC/DME	049.03	229.03	R	1	5400	6000	5	5

CONTROLLING OBSTRUCTIONS:

PAT	AIR SPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (36-000545)	444143.00N/0735259.00W	4095	5E
2	200	TOWER (36-000545)	444143.00N/0735259.00W	4095	5E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	250

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

SARANAC LAKE (FAC 1) AND BURLINGTON (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	T300					(US)
IAP	ILS OR LOC RWY 23	1, 2, 3	2	KSLK	SARANAC LAKE	NY (US)
IAP	RNAV (GPS) RWY 23		1	KSLK	SARANAC LAKE	NY (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/10/2020

REASON FOR REVISION:

ADDED "AIRSPACE DOCKET: 19-ANE-5".
 ADDED "EN ROUTE T300" TO FIX USE.
 ADDED "CONTROLLER LOW" AND "ENROUTE LOW" TO REQUIRED CHARTING.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: KELLY CARLSON
APPROVED BY:	DATE:	OFFICE: AVJ-A430	NAME: GEORGE DAVIS
	SIGNATURE:	<i>Digitally signed by</i>	
		WARDELL HENNING	
DISTRIBUTION:	NFDC	Jun 08, 2020	
	FPO: EST		
	ARTCC: ZBW		
	ATC FACILITY:		
	OTHER:		

QUALITY
 3
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LAFAY STATE: RI COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 412745.22N/0714316.43W TYPE: WP, INT, DME
 AIRSPACE DOCKET: 19-ANE-5 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	PROVIDENCE	PVD	VOR/DME	H	234.00	220.00	20.46	20.46	2000	17500
2	NORWICH	ORW	VOR/DME	L	128.08	114.08	13.74	13.74	2000	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	SW	PVD	VOR/DME	234.00	054.00	R	1		2100	14000	5	11
2	SW		WP	235.00	055.00	R		5	2100	10000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPACE	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (44-000122)	412941.77N/0714704.70W	1049	4D
2	200	TOWER (44-000122)	412941.77N/0714704.70W	1049	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PROVIDENCE (FAC 1) AND NORWICH (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	T300					(US)
EN ROUTE	V130	2				(US)
EN ROUTE	V139	1	1			(US)
IAP	RNAV (GPS) RWY 23			KGON	GROTON (NEW LONDON)	CT (US)
IAP	RNAV (GPS) RWY 14			KEWB	NEW BEDFORD	MA (US)
IAP	ILS OR LOC RWY 5			KPVD	PROVIDENCE	RI (US)
IAP	ILS RWY 5 (CAT II & III)			KPVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) RWY 5			KPVD	PROVIDENCE	RI (US)
IAP	VOR RWY 5			KPVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) RWY 7		2	KWST	WESTERLY	RI (US)
STAR	WIPOR (RNAV)			KEWB	NEW BEDFORD	MA (US)
STAR	WIPOR (RNAV)			KUUU	NEWPORT	RI (US)
STAR	WIPOR (RNAV)			KOQU	NORTH KINGSTOWN	RI (US)
STAR	WIPOR (RNAV)			KSFZ	PAWTUCKET	RI (US)
STAR	WIPOR (RNAV)			KPVD	PROVIDENCE	RI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

ADDED "AIRSPACE DOCKET: 19-ANE-5".
 UPDATED PAT 1 AND PAT 2 CONTROLLING OBSTACLE ACCURACY CODE FROM "5D" TO "4D".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: KELLY CARLSON

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

WARDELL HENNING

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: PVD APP CON, PVD ATCT

OTHER:

Jun 08, 2020



RADIO FIX AND HOLDING DATA RECORD

NAME: MARTHAS VINEYARD VOR/DME STATE: MA COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 412346.37N/0703645.78W TYPE:

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	FEET	MRA	MAA
1	MARTHAS VINEYARD	MVY	VOR/DME	L							17500

HOLDING: HOLDING TYPE OF ACTION: CANCEL

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)
EN ROUTE	T255					(US)
EN ROUTE	V130					(US)
EN ROUTE	V146					(US)
EN ROUTE	V374					(US)
EN ROUTE	V405					(US)
IAP	COPTER ILS Y OR LOC Y RWY 23			KFMH	FALMOUTH	MA (US)
IAP	ILS OR LOC RWY 32			KFMH	FALMOUTH	MA (US)
IAP	ILS Z OR LOC Z RWY 23			KFMH	FALMOUTH	MA (US)
IAP	RNAV (GPS) RWY 32			KFMH	FALMOUTH	MA (US)
IAP	RNAV (GPS) RWY 5			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 06			KHYA	HYANNIS	MA (US)
IAP	RNAV(GPS) RWY 15			KHYA	HYANNIS	MA (US)
IAP	VOR RWY 06			KHYA	HYANNIS	MA (US)
IAP	ILS OR LOC RWY 24			KACK	NANTUCKET	MA (US)
IAP	ILS OR LOC RWY 6			KACK	NANTUCKET	MA (US)
IAP	RNAV (GPS) RWY 15			KACK	NANTUCKET	MA (US)
IAP	RNAV(GPS) RWY 06			KACK	NANTUCKET	MA (US)
IAP	VOR RWY 24			KACK	NANTUCKET	MA (US)
IAP	ILS OR LOC RWY 5			KEWB	NEW BEDFORD	MA (US)
IAP	RNAV (GPS) RWY 32			KEWB	NEW BEDFORD	MA (US)
IAP	RNAV(GPS) RWY 5			KEWB	NEW BEDFORD	MA (US)
IAP	RNAV (GPS) RWY 33			KPYM	PLYMOUTH	MA (US)
IAP	RNAV(GPS) RWY 6			KPYM	PLYMOUTH	MA (US)
IAP	ILS OR LOC RWY 24			KMVY	VINEYARD HAVEN	MA (US)
IAP	RNAV(GPS) RWY 24			KMVY	VINEYARD HAVEN	MA (US)
IAP	RNAV(GPS) RWY 6			KMVY	VINEYARD HAVEN	MA (US)
IAP	VOR RWY 6			KMVY	VINEYARD HAVEN	MA (US)
IAP	LOC RWY 22			KUUU	NEWPORT	RI (US)
IAP	VOR/DME RWY 16			KUUU	NEWPORT	RI (US)
IAP	ILS OR LOC RWY 16			KOQU	NORTH KINGSTOWN	RI (US)
IAP	VOR-A			KOQU	NORTH KINGSTOWN	RI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 23 DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

DELETED "DME" FROM TYPE.
 DELETED "UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000" FROM FIX RESTRICTIONS.
 DELETED UPN HOLDING CONTROLLING OBSTACLE DATA.
 DELETED "ASSIGNED FACILITY MAGVAR: 15W/1980" AND "PRECIPITOUS TERRAIN EVALUATION COMPLETED" FROM REMARKS.
 DELETED "EN ROUTE T300" FROM FIX USE.

INITIATED BY: DATE: ORGANIZATION: NAME:
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 NAME: KELLY CARLSON
 APPROVED BY: DATE: OFFICE: AJV-A430 NAME: GEORGE DAVIS
 SIGNATURE: Digitally signed by
 WARDELL HENNING
 Jun 08, 2020



DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZBW
ATC FACILITY: ACK ATCT
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: MINNK **STATE:** RI **COUNTRY:** US **ICAO REGION CODE:** K6
LATITUDE/LONGITUDE: 412140.67N/0712527.20W **TYPE:** WP, INT, DME
AIRSPACE DOCKET: 19-ANE-5 **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	NORWICH	ORW	VOR/DME	L	128.08	114.08	28.46	28.46	2000	17500
2	GROTON	GON	VOR/DME	T	100.06	086.06		28.43	3000	17500
3	SANDY POINT	SEY	VOR/DME	L	045.54	030.54	13.50	13.50	2000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GON	VOR/DME	R-100	29	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	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SW	SEY	VOR/DME	045.54	045.54	R	1	2000	5000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	412421.00N/0712812.00W	322	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

NORWICH (FAC 1) AND SANDY POINT (FAC 3) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T300					(US)
EN ROUTE	V130	1, 3				(US)
EN ROUTE	V268	1, 3	1			(US)
EN ROUTE	V374	2, 3				(US)
IAP	ILS OR LOC RWY 16	1, 3	1	KOQU	NORTH KINGSTOWN	RI (US)
IAP	RNAV (GPS) RWY 05			KPVD	PROVIDENCE	RI (US)
STAR	DEEPO ONE (RNAV)			KACK	NANTUCKET	MA (US)
STAR	JORDN TWO (RNAV)			KPVD	PROVIDENCE	RI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

ADDED "AIRSPACE DOCKET: 19-ANE-5".
 AMEND REQUIRED CHARTING FROM "CONTROLLER" TO "CONTROLLER LOW".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: KELLY CARLSON

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by
WARDELL HENNING

DISTRIBUTION:

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

Jun 08, 2020

QUALITY
 3
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MOLDS **STATE:** MA **COUNTRY:** US **ICAO REGION CODE:** K6
LATITUDE/LONGITUDE: 421230.91N/0730313.39W **TYPE:** WP, INT, DME
AIRSPACE DOCKET: 19-ANE-5 **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	CHESTER	CTR	VOR/DME	L	236.17	223.17	6.80	6.80	3500	17500
2	ALBANY	ALB	VORTAC	L	146.90	133.90	46.38	46.38	8000	17500
3	BARNES	BAF	VORTAC	L	294.64	280.64		15.31	11000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ALB	VORTAC	R-147	47	8000	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:

CHESTER (FAC 1) AND BARNES (FAC 3) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T295					(US)
EN ROUTE	T300					(US)
EN ROUTE	V39					(US)
EN ROUTE	V93					(US)
IAP	RNAV (GPS) RWY 2			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
STAR	STELA	2, 3		KHFD	HARTFORD	CT (US)
STAR	STELA	2, 3		KBDL	WINDSOR LOCKS	CT (US)
STAR	STELA	2, 3		KCEF	SPRINGFIELD/CHICOPEE	MA (US)
STAR	STELA	2, 3		KBAF	WESTFIELD/SPRINGFIELD	MA (US)
STAR	STELA	2, 3		KORH	WORCESTER	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 09/10/2020

REASON FOR REVISION:

ADDED "WP" TO FIX TYPE.
 ADDED "AIRSPACE DOCKET: 19-ANE-5".
 AMENDED FAC 2 MRA FROM "11000" TO "8000" TO MATCH ESV DATA.
 AMENDED ALB ESV MIN ALTITUDE FROM "11000" TO "8000" AND MAX ALTITUDE FROM "18000" TO "17500".
 AMENDED REQUIRED CHARTING FROM "CONTROLLER" TO "CONTROLLER LOW".
 DELETED "MILITARY IAP" FROM REQUIRED CHARTING.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** KELLY CARLSON

APPROVED BY: **DATE:** **OFFICE:** AJV-A430 **NAME:** GEORGE DAVIS

SIGNATURE: *Digitally signed by*
WARDELL HENNING

DISTRIBUTION: Jun 08, 2020
 NFDC
 FPO: EST
 ARTCC: ZBW
 ATC FACILITY: BAF APP CON
 OTHER:

QUALITY
 3
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NEWBE STATE: RI COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 411224.39N/0710426.92W TYPE: WP, INT, DME
 AIRSPACE DOCKET: 19-ANE-5 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	NANTUCKET	ACK	VOR/DME	H	279.92	264.92	47.62	47.62	2000	17500
2	PROVIDENCE	PVD	VOR/DME	H	166.56	152.56		34.94	2000	17500
3	MARTHAS VINEYARD	MVY	VOR/DME	L	256.59	241.59		23.76	2000	17500
4	NORWICH	ORW	VOR/DME	L	130.34	116.34		46.75	2000	17500
5	SANDY POINT	SEY	VOR/DME	L	098.91	083.91		22.86	2000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ORW	VOR/DME	R-130	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	HOLDING ALTITUDES MIN DME	MAX	TEMPLATES MIN	MAX
1	W	ACK	VOR/DME	279.92	099.92	R	1	3000	10000	6	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	SHIP'S MAST	411200.00N/0710900.00W	250	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

NANTUCKET (FAC 1) AND PROVIDENCE (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	T216					(US)
EN ROUTE	T300					(US)
EN ROUTE	V-34		1, 2, 3, 1			(US)
			4, 5			
EN ROUTE	V-58		1, 2, 3, 1			(US)
			4, 5			
IAP	RNAV (GPS) RWY 5			KFMH	FALMOUTH	MA (US)
IAP	RNAV (GPS) RWY 6			KMVY	VINEYARD HAVEN	MA (US)
IAP	RNAV (GPS) RWY 28			KBID	BLOCK ISLAND	RI (US)
STAR	NEWBE		1, 2, 4, 1	KACK	NANTUCKET	MA (US)
			5			

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

ADDED "AIRSPACE DOCKET: 19-ANE-5".
 AMENDED ESV MIN ALTITUDE FROM "2000" TO "3000".
 ADDED "EN ROUTE T300" TO FIX USE.
 AMENDED REQUIRED CHARTING FROM "CONTROLLER" TO "CONTROLLER LOW".
 DELETED "MILITARY IAP" FROM REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: KELLY CARLSON

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by
WARDELL HENNING

DISTRIBUTION:

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

Jun 08, 2020

QUALITY
 3
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NORWICH VOR/DME

STATE: CT

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 413323.05N/0715957.67W

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	NORWICH	ORW	VOR/DME	L						17500

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	S	ORW	VOR/DME	158.00	338.00	R	1	2600 6000	4 5
2	SW	ORW	VOR/DME	238.00	058.00	L	1	2500 17500	4 16
3	S		WP	158.00	338.00	R		2600 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (09-000114)	412738.88N/0715544.21W	785	1D
2	200	TOWER (09-000073)	413113.00N/0721001.00W	999	2D
3	200	TOWER (09-000114)	412738.88N/0715544.21W	785	1D

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:

ORW VOR/DME CHARTED ON HIGH ENROUTE FOR REFERENCE ONLY.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 14W (1980).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRADLEY			KBDL	WINDSOR LOCKS	CT (US)
DP	NUBLE (RNAV)			KPWM	PORTLAND	ME (US)
DP	PPOINT (RNAV)			KMHT	MANCHESTER	NH (US)
EN ROUTE	V130					(US)
EN ROUTE	V14					(US)
EN ROUTE	V16		2			(US)
EN ROUTE	V308					(US)
EN ROUTE	V475					(US)
IAP	ILS OR LOC RWY 5			KGON	GROTON/NEW LONDON	CT (US)
IAP	RNAV (GPS) RWY 23			KGON	GROTON/NEW LONDON	CT (US)
IAP	LDA RWY 2			KHFD	HARTFORD	CT (US)
IAP	VOR-A			KHFD	HARTFORD	CT (US)
IAP	RNAV (GPS) RWY 27		3	KIJD	WILLIMANTIC	CT (US)
IAP	RNAV (GPS) RWY 9			KIJD	WILLIMANTIC	CT (US)
IAP	VOR-A		1	KIJD	WILLIMANTIC	CT (US)
IAP	ILS OR LOC RWY 33			KBDL	WINDSOR LOCKS	CT (US)
IAP	RNAV (GPS) RWY 33			KBDL	WINDSOR LOCKS	CT (US)
IAP	ILS OR LOC RWY 16			KOQU	NORTH KINGSTOWN	RI (US)
IAP	VOR RWY 34			KOQU	NORTH KINGSTOWN	RI (US)
IAP	LOC RWY 5			KSFZ	PAWTUCKET	RI (US)
IAP	RNAV (GPS) RWY 5			KSFZ	PAWTUCKET	RI (US)
IAP	VOR-A			KSFZ	PAWTUCKET	RI (US)
IAP	VOR-B			KSFZ	PAWTUCKET	RI (US)
IAP	ILS OR LOC RWY 23			KPVD	PROVIDENCE	RI (US)
IAP	ILS OR LOC RWY 34			KPVD	PROVIDENCE	RI (US)
IAP	ILS OR LOC RWY 5			KPVD	PROVIDENCE	RI (US)
IAP	ILS RWY 23 (SA CAT I & II)			KPVD	PROVIDENCE	RI (US)
IAP	ILS RWY 5 (CAT II)			KPVD	PROVIDENCE	RI (US)
IAP	ILS RWY 5 (CAT III)			KPVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) RWY 5			KPVD	PROVIDENCE	RI (US)
IAP	VOR RWY 34			KPVD	PROVIDENCE	RI (US)
IAP	VOR RWY 5			KPVD	PROVIDENCE	RI (US)
IAP	VOR/DME RWY 16			KPVD	PROVIDENCE	RI (US)
IAP	VOR/DME RWY 23			KPVD	PROVIDENCE	RI (US)
IAP	VOR/DME RWY 34			KPVD	PROVIDENCE	RI (US)
IAP	LOC RWY 07			KWST	WESTERLY	RI (US)
STAR	DREEM (RNAV)			KBED	BEDFORD	MA (US)
STAR	GRAYM			KBED	BEDFORD	MA (US)
STAR	DREEM (RNAV)			KBVY	BEVERLY	MA (US)
STAR	GRAYM			KBVY	BEVERLY	MA (US)
STAR	NORWICH			KBOS	BOSTON	MA (US)
STAR	WOONS		2	KBOS	BOSTON	MA (US)

QUALITY
3
CHECKED

STAR	GRAYM		KFIT	FITCHBURG	MA (US)
STAR	DREEM (RNAV)		KLWM	LAWRENCE	MA (US)
STAR	GRAYM		KLWM	LAWRENCE	MA (US)
STAR	WOONS	2	K1B9	MANSFIELD	MA (US)
STAR	WOONS	2	KGHG	MARSHFIELD	MA (US)
STAR	DEEPO (RNAV)		KACK	NANTUCKET	MA (US)
STAR	NEWBE		KACK	NANTUCKET	MA (US)
STAR	WIPOR (RNAV)		KEWB	NEW BEDFORD	MA (US)
STAR	WOONS	2	KOWD	NORWOOD	MA (US)
STAR	NELIE (RNAV)		KISP	ISLIP	NY (US)
STAR	NELIE (RNAV)		KFOK	WESTHAMPTON BEACH	NY (US)
STAR	WIPOR (RNAV)		KUUU	NEWPORT	RI (US)
STAR	WIPOR (RNAV)		KOQU	NORTH KINGSTOWN	RI (US)
STAR	WIPOR (RNAV)		KSFZ	PAWTUCKET	RI (US)
STAR	WIPOR (RNAV)		KPVD	PROVIDENCE	RI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 21

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

AMENDED PAT 2 LEG TIME FROM "1-1 1/2" TO "1".

DELETED "PAT 2 USED FOR KGON ILS OR LOC RWY 5 ALTERNATE MISSED APPROACH" FROM HOLDING RESTRICTIONS.

AMENDED REMARK FROM "ASSIGNED FACILITY MAGVAR: 14W (1980)" TO "ASSIGNED FACILITY MAGVAR: 14W (1980)".

REMOVED "EN ROUTE T300" FROM FIX USE.

ADDED "CONTROLLER LOW" AND "CONTROLLER HIGH" TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: KELLY CARLSON

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

WARDELL HENNING

Jun 08, 2020

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW, ZNY

ATC FACILITY: PVD APP CON, NYC APP CON

OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OPDIE

STATE: NY

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 441646.05N/0740014.41W

TYPE: WP

AIRSPACE DOCKET: 19-ANE-5

FIX TYPE OF ACTION: MODIFY

FIX RESTRICTIONS:

MCA T300 6600 SOUTHBOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT CITY

STATE

EN ROUTE

T300

IAP

RNAV (GPS) RWY 14

KLKP

LAKE PLACID

(US)

NY (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

ADDED "AIRSPACE DOCKET: 19-ANE-5".

ADDED "MCA T300 6600 SOUTHBOUND" TO FIX RESTRICTIONS.

ADDED "EN ROUTE T300" TO FIX USE.

ADDED "CONTROLLER LOW" AND "ENROUTE LOW" TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: KELLY CARLSON

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

WARDELL HENNING

Jun 08, 2020

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY:

OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OTOLE **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6
LATITUDE/LONGITUDE: 425658.56N/0735105.77W **TYPE:** WP, INT, DME
AIRSPACE DOCKET: 19-ANE-5 **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	ALBANY	ALB	VORTAC	L	003.03	350.03	12.32	12.32		6000	17500
2	CAMBRIDGE	CAM	VOR/DME	L	277.34	263.34		22.52		3000	17500

FIX RESTRICTIONS:

MCA T300 2800 NORTHBOUND

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	N	ALB	VORTAC	003.03	183.03	R	1		6000	10000	8	10
2	N		WP	003.03	183.03	R		4	3000	10000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	431002.00N/0735624.00W	2192	4E
2	200	AAO	430600.00N/0735745.00W	1346	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 NOT CHARTED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T300					(US)
EN ROUTE	V203	1, 2				(US)
IAP	RNAV (GPS) Y RWY 1		2	KALB	ALBANY	NY (US)
IAP	RNAV (RNP) Z RWY 1		2	KALB	ALBANY	NY (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

ADDED "AIRSPACE DOCKET: 19-ANE-5".
 ADDED "MCA T300 2800 NORTHBOUND" TO FIX RESTRICTIONS.
 ADDED "EN ROUTE T300" TO FIX USE.
 AMENDED REQUIRED CHARTING FROM "CONTROLLER" TO "CONTROLLER LOW".

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** KELLY CARLSON
APPROVED BY: **DATE:** **OFFICE:** AJV-A430 **NAME:** GEORGE DAVIS
SIGNATURE: *Digitally signed by*
WARDELL HENNING

DISTRIBUTION: NFDC Jun 08, 2020
 FPO: EST
 ARTCC: ZBW
 ATC FACILITY: ALB ATCT, SCH ATCT
 OTHER:

QUALITY
 3
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SHIGY **STATE:** MA **COUNTRY:** US **ICAO REGION CODE:** K6
LATITUDE/LONGITUDE: 422357.95N/0731900.98W **TYPE:** WP, INT, DME
AIRSPACE DOCKET: 19-ANE-5 **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	ALBANY	ALB	VORTAC	L	146.90	133.90	30.00	30.00	6000	39000
2	PAWLING	PWL	VOR/DME	L	030.45	018.45		39.83	6000	39000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ALB	VORTAC	R-147	30	18000	39000
PWL	VOR/DME	R-030	40	18000	39000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:

ALBANY (FAC 1) AND PAWLING (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T300					(US)
EN ROUTE	V203	1, 2				(US)
STAR	STELA	1, 2		KHFD	HARTFORD	CT (US)
STAR	STELA	1, 2		KBDL	WINDSOR LOCKS	CT (US)
STAR	WIPOR (RNAV)			KEWB	NEW BEDFORD	MA (US)
STAR	STELA	1, 2		KCEF	SPRINGFIELD/CHICOPEE	MA (US)
STAR	STELA	1, 2		KBAF	WESTFIELD/SPRINGFIELD	MA (US)
STAR	STELA	1, 2		KORH	WORCESTER	MA (US)
STAR	NELIE (RNAV)			KISP	NEW YORK	NY (US)
STAR	NELIE (RNAV)			KFOK	WESTHAMPTON BEACH	NY (US)
STAR	WIPOR (RNAV)			KUUU	NEWPORT	RI (US)
STAR	WIPOR (RNAV)			KOQU	NORTH KINGSTOWN	RI (US)
STAR	WIPOR (RNAV)			KSFZ	PAWTUCKET	RI (US)
STAR	WIPOR (RNAV)			KPVD	PROVIDENCE	RI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

ADDED "AIRSPACE DOCKET: 19-ANE-5".
 AMENDED ALB ESV MIN ALTITUDE FROM "10000" TO "18000".
 AMENDED REQUIRED CHARTING FROM "CONTROLLER" TO "CONTROLLER LOW" AND "CONTROLLER HIGH".

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: KELLY CARLSON
APPROVED BY:	DATE:	OFFICE: AJV-A430	NAME: GEORGE DAVIS
SIGNATURE:	<i>Digitally signed by</i>		
	WARDELL HENNING		
DISTRIBUTION:	NFDC FPO: EST ARTCC: ZBW ATC FACILITY: OTHER:		
	Jun 08, 2020		



RADIO FIX AND HOLDING DATA RECORD

NAME: SSENA

STATE: NY

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 445451.43N/0744321.31W

TYPE: WP

AIRSPACE DOCKET: 19-ANE-5

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT CITY

STATE

EN ROUTE

T300

(US)

EN ROUTE

T391

(US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/10/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: KELLY CARLSON

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

WARDELL HENNING

Jun 08, 2020

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BTV FSS

OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: STANK

STATE: NY

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 444700.00N/0740700.00W

TYPE: WP

AIRSPACE DOCKET: 19-ANE-5

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE
EN ROUTE

USE TITLE
T300

FAC PAT AIRPORT IDENT CITY

STATE
(US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/10/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: KELLY CARLSON

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

WARDELL HENNING

Jun 08, 2020

DISTRIBUTION:

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

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: STELA STATE: MA COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 421653.15N/0730914.16W TYPE: WP, INT, DME
 AIRSPACE DOCKET: 19-ANE-5 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	CHESTER	CTR	VOR/DME	L	279.34	266.34	9.13	9.13		4000	17500
2	ALBANY	ALB	VORTAC	L	146.90	133.90	40.13	40.13		6000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ALB	VORTAC	R-147	41	6000	18000

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING ALTITUDES MIN DME	MAX	TEMPLATES MIN	MAX
1	NW	ALB	VORTAC	146.90	146.90	R	1	6000	18000	9	18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	421923.00N/0731041.10W	2456	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

CHESTER (FAC 1) AND ALBANY (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	T300					(US)
EN ROUTE	V203	1, 2	1			(US)
EN ROUTE	V270	1				(US)
IAP	RNAV (GPS)-B			KGBR	GREAT BARRINGTON	MA (US)
IAP	RNAV (GPS) RWY 19			K4B0	SOUTH BETHLEHEM	NY (US)
STAR	STELA	1, 2	1	KHFD	HARTFORD	CT (US)
STAR	STELA	1, 2		KBDL	WINDSOR LOCKS	CT (US)
STAR	STELA	1, 2	1	KCEF	SPRINGFIELD/CHICOPEE	MA (US)
STAR	STELA	1, 2	1	KBAF	WESTFIELD/SPRINGFIELD	MA (US)
STAR	STELA	1, 2	1	KORH	WORCESTER	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

ADDED "AIRSPACE DOCKET: 19-ANE-5".
 AMENDED PAT 1 LEG TIME FROM "1-1 1/2" TO "1".
 UPDATED PAT 1 CONTROLLING OBSTACLE ACCURACY CODE FROM "6C" TO "2C".

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 NAME: KELLY CARLSON

APPROVED BY: DATE: OFFICE: AJV-A430 NAME: GEORGE DAVIS

SIGNATURE: *Digitally signed by*
WARDELL HENNING

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

Jun 08, 2020

QUALITY
 3
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TOMES **STATE:** MA **COUNTRY:** US **ICAO REGION CODE:** K6
LATITUDE/LONGITUDE: 420843.27N/0725801.44W **TYPE:** WP, INT, DME
AIRSPACE DOCKET: 19-ANE-5 **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	BARNES	BAF	VORTAC	L	279.00	265.00	11.24	11.24	3800	17500
2	ALBANY	ALB	VORTAC	L	146.90	133.90	51.80	51.80	8000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ALB	VORTAC	R-147	52	8000	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:

BARNES (FAC 1) AND ALBANY (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T300					(US)
EN ROUTE	V-292	1, 2				(US)
STAR	STELA	1, 2		KHFD	HARTFORD	CT (US)
STAR	STELA	1, 2		KBDL	WINDSOR LOCKS	CT (US)
STAR	STELA	1, 2		KCEF	SPRINGFIELD/CHICOPEE	MA (US)
STAR	STELA	1, 2		KBAF	WESTFIELD/SPRINGFIELD	MA (US)
STAR	STELA	1, 2		KORH	WORCESTER	MA (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 09/10/2020

REASON FOR REVISION:

ADDED "AIRSPACE DOCKET: 19-ANE-5".
 AMENDED FAC 2 MRA FROM "11000" TO "8000" TO MATCH ALB ESV DATA.
 AMENDED ALB ESV MIN ALTITUDE FROM "11000" TO "8000" AND MAX ALTITUDE FROM "18000" TO "17500".
 AMENDED REQUIRED CHARTING FROM "CONTROLLER" TO "CONTROLLER LOW".

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** KELLY CARLSON
APPROVED BY: **DATE:** **OFFICE:** AJV-A430 **NAME:** GEORGE DAVIS
SIGNATURE: *Digitally signed by*
WARDELL HENNING
 Jun 08, 2020

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

QUALITY
 3
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: UUBER

STATE: NY

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 442800.25N/0740110.54W

TYPE: WP

AIRSPACE DOCKET: 19-ANE-5

FIX TYPE OF ACTION: ESTABLISH

FIX RESTRICTIONS:

MCA T300 5300 SOUTHBOUND

FIX USE:

USE TYPE
EN ROUTE

USE TITLE
T300

FAC PAT AIRPORT IDENT CITY

STATE
(US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/10/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: KELLY CARLSON

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by
WARDELL HENNING

Jun 08, 2020

DISTRIBUTION:

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

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WIPOR **STATE:** CT **COUNTRY:** US **ICAO REGION CODE:** K6
LATITUDE/LONGITUDE: 413923.07N/0721037.67W **TYPE:** WP, INT, DME
AIRSPACE DOCKET: 19-ANE-5 **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	NORWICH	ORW	VOR/DME	L	320.91	306.91	10.00	10.00	2600	17500
2	HARTFORD	HFD	VOR/DME	L	099.72	086.72		16.68	2600	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:

NORWICH (FAC 1) AND HARTFORD (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T300					(US)
STAR	DREEM (RNAV)			KBED	BEDFORD	MA (US)
STAR	GRAYM			KBED	BEDFORD	MA (US)
STAR	DREEM (RNAV)			KBVY	BEVERLY	MA (US)
STAR	GRAYM			KBVY	BEVERLY	MA (US)
STAR	GRAYM			KFIT	FITCHBURG	MA (US)
STAR	DREEM (RNAV)			KLWM	LAWRENCE	MA (US)
STAR	GRAYM			KLWM	LAWRENCE	MA (US)
STAR	WIPOR (RNAV)			KEWB	NEW BEDFORD	MA (US)
STAR	NELIE (RNAV)			KISP	NEW YORK	NY (US)
STAR	PONEE	1		KISP	NEW YORK	NY (US)
STAR	NELIE (RNAV)			KFOK	WESTHAMPTON BEACH	NY (US)
STAR	WIPOR (RNAV)			KUUU	NEWPORT	RI (US)
STAR	WIPOR (RNAV)			KOQU	NORTH KINGSTOWN	RI (US)
STAR	WIPOR (RNAV)			KSFZ	PAWTUCKET	RI (US)
STAR	WIPOR (RNAV)			KPVD	PROVIDENCE	RI (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 09/10/2020

REASON FOR REVISION:

ADDED "AIRSPACE DOCKET: 19-ANE-5".
AMENDED REQUIRED CHARTING FROM "CONTROLLER" TO "CONTROLLER LOW".

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** KELLY CARLSON
APPROVED BY: **DATE:** **OFFICE:** AJV-A430 **NAME:** GEORGE DAVIS

SIGNATURE: *Digitally signed by*
WARDELL HENNING

DISTRIBUTION: NFDC Jun 08, 2020
 FPO: EST
 ARTCC: ZBW
 ATC FACILITY: BOS APP CON
 OTHER:

QUALITY
 3
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: YANTC

STATE: CT

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 413322.81N/0715956.95W

TYPE: WP

AIRSPACE DOCKET: 19-ANE-5

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE
EN ROUTE

USE TITLE
T300

FAC PAT AIRPORT IDENT CITY

STATE
(US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/10/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: KELLY CARLSON

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

Digitally signed by

SIGNATURE:

WARDELL HENNING

Jun 08, 2020

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: PVD APP CON, NYC APP CON

OTHER: ZNY

QUALITY
3
CHECKED