

RADIO FIX AND HOLDING DATA RECORD

NAME: AXEJA

STATE: AL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 310232.36N/0875701.58W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
EN ROUTE
EN ROUTE

USE TITLE
T224
V20

FAC PAT AIRPORT IDENT CITY

STATE
(US)
(US)

REQUIRED CHARTING: SECTIONAL, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

01/10/23: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 11/18/22.
1. ADDED AXEJA TO PROJECT CHANGING FROM CNF TO WP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by
ALLAN WILL
Jan 18, 2023

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BRIEF

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 392655.21N/0750739.69W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-22

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	CEDAR LAKE	VCN	VOR/DME	L	244.47	234.47	9.17	9.17		1800	17500
2	WOODSTOWN	OOD	VORTAC	L	154.02	144.02		13.87		1800	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

CEDAR LAKE (FAC 1) AND WOODSTOWN (FAC 2) USED TO ESTABLISH FIX COORDINATES.
SECTIONAL ADDED PER ATC REQUEST

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	V16	1, 2				(US)
EN ROUTE	V166	1, 2				(US)
IAP	RNAV (GPS) RWY 27			33N	DOVER/CHESWOLD	DE (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER:

10

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

TYPE ADDED WP
AIRSPACE DOCKET ADDED 21-AEA-2
FIX MAKE-UP FACILITIES REPLACED FAC 1 ENO WITH VCN UPDATED ALL INFORMATION
REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST REPLACED SMYRNA (FAC 1) WITH CEDAR LAKE (FAC 1)
FIX USE ADDED T224
REQUIRED CHARTING ADDED SECTIONAL AND CONTROLLER LOW REMOVED CONTROLLER

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CALVERTON VOR/DME

STATE: NY

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 405546.63N/0724755.89W

TYPE:

AIRSPACE DOCKET: 21-AEA-22

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	CALVERTON	CCC	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	E	CCC	VOR/DME	084.50	264.50	L	1	2000 24000	4 19
2	E		WP	085.50	265.50	L	4	2000 6000	4 6
3	E		WP	084.00	264.00	L	4	2000 12000	4 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (36-001229)	405118.39N/0724610.32W	824	5D
2	200	TOWER (36-001229)	405118.39N/0724610.32W	824	5D
3	200	TOWER (36-001229)	405118.39N/0724610.32W	824	5D

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC - AIRSPACE
PAT 2 ATC REQUEST
PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

SECTIONAL ADDED PER ATC REQUEST
CHART PAT 1 ON ENROUTE LOW PER ATC REQUEST.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: 13W (1980).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	COASTAL			KHFD	HARTFORD	CT (US)
DP	COASTAL			KBDL	WINDSOR LOCKS	CT (US)
DP	COASTAL			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
DP	NUBLE (RNAV)			KPWM	PORTLAND	ME (US)
DP	PPOINT (RNAV)			KMHT	MANCHESTER	NH (US)
DP	LONG ISLAND			KISP	NEW YORK	NY (US)
DP	GLDMN			KLGA	NEW YORK	NY (US)
EN ROUTE	Q97					(US)
EN ROUTE	T224					(US)
EN ROUTE	V16					(US)
EN ROUTE	V46					(US)
EN ROUTE	V91					(US)
IAP	ILS OR LOC RWY 6 (ALT MISSED)		1	KBDR	BRIDGEPORT	CT (US)
IAP	RNAV (GPS) RWY 29			KBDR	BRIDGEPORT	CT (US)
IAP	ILS OR LOC RWY 2			KHVN	NEW HAVEN	CT (US)
IAP	ILS OR LOC RWY 24		1	KISP	NEW YORK	NY (US)
IAP	ILS OR LOC RWY 6		1	KISP	NEW YORK	NY (US)
IAP	ILS RWY 6 (SA CAT I & II)		1	KISP	NEW YORK	NY (US)
IAP	RNAV (GPS) RWY 15R		2	KISP	NEW YORK	NY (US)
IAP	RNAV (GPS) RWY 24			KISP	NEW YORK	NY (US)
IAP	RNAV (GPS) RWY 33L		2	KISP	NEW YORK	NY (US)
IAP	RNAV (GPS) RWY 6		2	KISP	NEW YORK	NY (US)
IAP	ILS OR LOC RWY 6			KHWV	SHIRLEY	NY (US)
IAP	RNAV (GPS) RWY 15		2	KHWV	SHIRLEY	NY (US)
IAP	RNAV (GPS) RWY 33		2	KHWV	SHIRLEY	NY (US)
IAP	VOR RWY 6			KHWV	SHIRLEY	NY (US)
IAP	COPTER RNAV (GPS) 190			87N	SOUTHAMPTON	NY (US)
IAP	ILS OR LOC RWY 24		1	KFOK	WESTHAMPTON BEACH	NY (US)
IAP	TACAN RWY 24			KFOK	WESTHAMPTON BEACH	NY (US)
STAR	RICED			KDXR	DANBURY	CT (US)
STAR	DEER PARK			KBDL	WINDSOR LOCKS	CT (US)
STAR	NORWICH			KBOS	BOSTON	MA (US)
STAR	DEER PARK			KCEF	SPRINGFIELD/CHICOPEE	MA (US)
STAR	DEER PARK			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
STAR	SCOGS (RNAV)			KPWM	PORTLAND	ME (US)
STAR	PARCH (RNAV)		3	KFRG	FARMINGDALE	NY (US)
STAR	ROBER		1	KFRG	FARMINGDALE	NY (US)
STAR	LOVES			KISP	NEW YORK	NY (US)

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STAR	NELIE (RNAV)		KISP	NEW YORK	NY (US)
STAR	PARCH (RNAV)	3	KJFK	NEW YORK	NY (US)
STAR	ROBER	1	KJFK	NEW YORK	NY (US)
STAR	NELIE (RNAV)		KFOK	WESTHAMPTON BEACH	NY (US)
STAR	BOUNO		KHPN	WHITE PLAINS	NY (US)
STAR	RICED		KHPN	WHITE PLAINS	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 21

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET CHANGED FROM 21-AEA-11 TO 21-AEA-22
 PATTERNS UPDATED PAT 3 MAX ALTITUDE TO 12000
 FIX USE ADDED T224

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CANNY STATE: DE COUNTRY: US ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390339.92N/0754040.65W TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-22 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	SMYRNA	ENO	VORTAC	L	225.54	216.54	12.72	12.72	2000	17500
2	SEA ISLE	SIE	VORTAC	H	276.40	267.40	41.06	41.06	7000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SIE	VORTAC	R-276	42	7000	14600

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	SIE	VORTAC	276.40	096.40	L	1	7000	7000	10	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (10-000148)	390349.10N/0753426.10W	524	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 REQUESTED BY DOVER AFB TERPS

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

SMYRNA (FAC 1) AND SEA ISLE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
SECTIONAL ADDED PER ATC REQUEST
PATTERN REQUESTED BY DOVER AFB TERPS/ATC.
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CANNY (RNAV)			KDOV	DOVER	DE (US)
EN ROUTE	T224					(US)
EN ROUTE	V157	1, 2				(US)
EN ROUTE	V16	1, 2				(US)
EN ROUTE	V213	1, 2				(US)
EN ROUTE	V44	1, 2	1			(US)
STAR	PAATS (RNAV)			KTTN	TRENTON	NJ (US)
STAR	PAATS (RNAV)			KMQS	COATESVILLE	PA (US)
STAR	PAATS (RNAV)			KPHL	PHILADELPHIA	PA (US)
STAR	PAATS (RNAV)			KPNE	PHILADELPHIA	PA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

TYPE REMOVED RADAR
AIRSPACE DOCKET CHANGED FROM 20-ASO-31 TO 21-AEA-22
ESV UPDATED SIE MAX ALTITUDE FROM 14500 TO 14600.
REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST
FIX USE ADDED T224
REQUIRED CHARTING ADDED SECTIONAL

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A421	NAME: JOSHUA DUGAN
APPROVED BY:	DATE: 02/23/2023	OFFICE: AJV-A420	NAME: MARLON ROBINSON

SIGNATURE: Digitally signed by
ALLAN WILL
Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: COYLE VORTAC

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 394902.42N/0742553.85W

TYPE:

AIRSPACE DOCKET: 21-AEA-22

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	COYLE	CYN	VORTAC	H							45000

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

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	NE	CYN	VORTAC	067.00	247.00	R	1		2000	8000	4	8
2	W	CYN	VORTAC	260.00	080.00	L	1		2000	8000	4	8
3	NE	CYN	VORTAC	067.00	247.00	R		4	3000	8000	4	8

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	395122.20N/0742406.20W	418	2A
2	200	TOWER (34-000091)	395152.00N/0743240.00W	499	5D
3	200	AAO	395118.00N/0742412.00W	414	4E

REASON FOR NONSTANDARD HOLDING:

PAT 2 TO PROVIDE SEPARATION FROM R-5002.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PAT 1/3: PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-5001A/B; R-5002A ABOVE 6000.

PAT 2: PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-5002A ABOVE 6000.

CHART HOLDING PAT 1 ON ENROUTE LOW.

REMARKS:

ASSIGNED FACILITY MAGVAR: 10W (1965).

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ATLANTIC CITY			KACY	ATLANTIC CITY	NJ (US)
DP	LEEAH			KMIV	MILLVILLE	NJ (US)
DP	POINT PLEASANT			KWRI	WRIGHTSTOWN	NJ (US)
DP	LA GUARDIA			KLGA	NEW YORK	NY (US)
DP	PHILADELPHIA			KPHL	PHILADELPHIA	PA (US)
EN ROUTE	J110					(US)
EN ROUTE	J209					(US)
EN ROUTE	J37					(US)
EN ROUTE	Q409					(US)
EN ROUTE	T224					(US)
EN ROUTE	T416					(US)
EN ROUTE	V1					(US)
EN ROUTE	V16					(US)
EN ROUTE	V312					(US)
IAP	COPTER ILS OR LOC/DME RWY 13			KACY	ATLANTIC CITY	NJ (US)
IAP	ILS OR LOC RWY 13			KACY	ATLANTIC CITY	NJ (US)
IAP	ILS OR LOC/DME RWY 31			KACY	ATLANTIC CITY	NJ (US)
IAP	VOR RWY 13			KACY	ATLANTIC CITY	NJ (US)
IAP	VOR RWY 31			KACY	ATLANTIC CITY	NJ (US)
IAP	VOR RWY 4			KACY	ATLANTIC CITY	NJ (US)
IAP	VOR-B			N81	HAMMONTON	NJ (US)
IAP	NDB RWY 24			KNEL	LAKEHURST	NJ (US)
IAP	RNAV (GPS) RWY 24			KNEL	LAKEHURST	NJ (US)
IAP	RNAV (GPS) RWY 33			KNEL	LAKEHURST	NJ (US)
IAP	TACAN RWY 24			KNEL	LAKEHURST	NJ (US)
IAP	TACAN Z RWY 33			KNEL	LAKEHURST	NJ (US)
IAP	VOR OR VOR/DME OR TACAN Y RWY 33			KNEL	LAKEHURST	NJ (US)
IAP	VOR RWY 4			KNEL	LAKEHURST	NJ (US)
IAP	RNAV (GPS) RWY 6			N12	LAKEWOOD	NJ (US)
IAP	VOR-A		1	N14	LUMBERTON	NJ (US)
IAP	VOR RWY 26		1	KVAY	MOUNT HOLLY	NJ (US)
IAP	ILS OR LOC RWY 6			KMJX	TOMS RIVER	NJ (US)
IAP	VOR RWY 24			KMJX	TOMS RIVER	NJ (US)
IAP	VOR RWY 6		2	KMJX	TOMS RIVER	NJ (US)
IAP	VOR/DME OR TACAN RWY 18			KWRI	WRIGHTSTOWN	NJ (US)
IAP	VOR/DME OR TACAN RWY 24			KWRI	WRIGHTSTOWN	NJ (US)
IAP	ILS OR LOC RWY 27L			KPHL	PHILADELPHIA	PA (US)
IAP	RNAV (GPS) RWY 27L			KPHL	PHILADELPHIA	PA (US)
IAP	ILS RWY 27L (SA CAT II)			KPHL	PHILADELPHIA	PA (US)

QUALITY
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IAP	RNAV (GPS) RWY 33		KPNE	PHILADELPHIA	PA (US)
STAR	WAALK (RNAV)	3	KBLM	BELMAR/FARMINGDALE	NJ (US)
STAR	WAALK (RNAV)	3	KNEL	LAKEHURST	NJ (US)
STAR	WAALK (RNAV)	3	N14	LUMBERTON	NJ (US)
STAR	WAALK (RNAV)	3	KVAY	MOUNT HOLLY	NJ (US)
STAR	WAALK (RNAV)	3	N87	ROBBINSVILLE	NJ (US)
STAR	WAALK (RNAV)	3	KMJX	TOMS RIVER	NJ (US)
STAR	HARRISBURG		KWRI	WRIGHTSTOWN	NJ (US)
STAR	WAALK (RNAV)	3	KWRI	WRIGHTSTOWN	NJ (US)
STAR	CAMRN		KFRG	FARMINGDALE	NY (US)
STAR	CAMRN		KJFK	NEW YORK	NY (US)
STAR	KORRY		KLGA	NEW YORK	NY (US)
STAR	BOUNO		KHPN	WHITE PLAINS	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 29

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET CHANGED FROM 21-AEA-16 TO 21-AEA-22
 PATTERNS PAT 3 UPDATED TEMPLATES FROM 5/9 TO 4/8
 FIX USE ADDED T224 AND J37 REMOVED VOR RWY 4 @ KNEL

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CREAM STATE: NY COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 410855.85N/0723118.32W TYPE: WP, INT, DME
 AIRSPACE DOCKET: 21-AEA-22 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	CALVERTON	CCC	VOR/DME	L	056.65	043.65	18.20	18.20	2000	17500
2	MADISON	MAD	VOR/DME	L	155.00	142.00	12.55	12.55	2000	17500
3	BRIDGEPORT	BDR	VOR/DME	L	103.29	091.29	27.33	27.33	2000	17500
4	SANDY POINT	SEY	VOR/DME	VL	283.82	268.82	42.87	42.87	2000	17500
5	CARMEL	CMK	VOR/DME	L	110.97	098.97	48.62	48.62	2500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SEY	VOR/DME	R-284	43	2000	5100

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	CCC	VOR/DME	056.65	236.65	L	1	2000 8000	5 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	411700.00N/0722615.00W	283	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 SEPARATION FROM MADISON, CT.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

CALVERTON (FAC 1) AND MADISON (FAC 2) USED TO ESTABLISH FIX COORDINATES.
 SECTIONAL ADDED PER ATC REQUEST
 PRECIPITOUS TERRAIN EVALUATION COMPLETED
 PATTERN 1 IS AT ATC REQUEST

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	V16	1, 2, 3, 4, 5				(US)
EN ROUTE	V34	1, 2, 3, 4, 5				(US)
EN ROUTE	V374	1, 2, 3, 4, 5				(US)
IAP	RNAV (GPS) RWY 24			KFOK	WESTHAMPTON BEACH	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

TYPE ADDED WP
 AIRSPACE DOCKET CHANGED FROM 21-AEA-17 TO 21-AEA-22
 REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST
 FIX USE ADDED T224 REMOVED V34
 REQUIRED CHARTING ADDED SECTIONAL

01/04/23: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 11/18/22.
 1. ADDED V34 BACK TO FIX USE CANCELLATION PROJECT SLIPPED

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A421	NAME: JOSHUA DUGAN
APPROVED BY:	DATE: 02/23/2023	OFFICE: AJV-A420	NAME: MARLON ROBINSON
SIGNATURE:	Digitally signed by ALLAN WILL		

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DIXIE

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 400557.72N/0740952.17W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-22

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	ROBBINSVILLE	RBV	VORTAC	H	122.00	112.00	16.41	16.41	2500	17500
2	COYLE	CYN	VORTAC	H	046.00	036.00	20.92	20.92	3800	17500
3	COLTS NECK	COL	VOR/DME	L	191.99	180.99		12.73	2500	17500
4	KENNEDY	JFK	VOR/DME	H	221.53	209.53		36.72	2500	17500

FIX RESTRICTIONS:

MCA V1 3800 SOUTHWEST BOUND
MCA V16 3800 SOUTHWEST BOUND

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	SE	RBV	VORTAC	122.00	302.00	L	1	3000 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (34-000799)	400411.30N/0741347.94W	407	1A

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

ROBBINSVILLE (FAC 1) AND COYLE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
CHART ON SECTIONAL - ATC REQUEST.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ATLANTIC CITY			KACY	ATLANTIC CITY	NJ (US)
DP	MORRISTOWN	3		KMMU	MORRISTOWN	NJ (US)
DP	LIBERTY	3		KEWR	NEWARK	NJ (US)
DP	NEWARK	3		KEWR	NEWARK	NJ (US)
DP	PORTT (RNAV)			KEWR	NEWARK	NJ (US)
DP	RUUDY (RNAV)			KTEB	TETERBORO	NJ (US)
DP	TETERBORO	3		KTEB	TETERBORO	NJ (US)
DP	POINT PLEASANT	1, 2		KWRI	WRIGHTSTOWN	NJ (US)
DP	REPUBLIC			KFRG	FARMINGDALE	NY (US)
DP	KENNEDY	4		KJFK	NEW YORK	NY (US)
DP	SKORR (RNAV)			KJFK	NEW YORK	NY (US)
DP	HOPEA (RNAV)			KLGA	NEW YORK	NY (US)
DP	JUTES (RNAV)			KLGA	NEW YORK	NY (US)
DP	LA GUARDIA			KLGA	NEW YORK	NY (US)
DP	NTHNS (RNAV)			KLGA	NEW YORK	NY (US)
DP	TNNIS (RNAV)			KLGA	NEW YORK	NY (US)
DP	PROP			KHPN	WHITE PLAINS	NY (US)
DP	WESTCHESTER			KHPN	WHITE PLAINS	NY (US)
EN ROUTE	T224					(US)
EN ROUTE	T315					(US)
EN ROUTE	T438					(US)
EN ROUTE	V1	1, 2, 4				(US)
EN ROUTE	V16	1, 2, 4				(US)
EN ROUTE	V229	1, 3, 4				(US)
EN ROUTE	V276	1, 2	1			(US)
EN ROUTE	Y481					(US)
EN ROUTE	Y482					(US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET CHANGED FROM 21-AEA-16 TO 21-AEA-22
FIX USE ADDED T315 AND T224

QUALITY
32
CHECKED

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A421	NAME: JOSHUA DUGAN
APPROVED BY:	DATE: 02/23/2023	OFFICE: AJV-A420	NAME: MARLON ROBINSON
SIGNATURE:		<i>Digitally signed by</i> ALLAN WILL Nov 18, 2022	



RADIO FIX AND HOLDING DATA RECORD

NAME: FLIBB STATE: CT COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 411337.34N/0722520.19W TYPE: WP, INT, DME
 AIRSPACE DOCKET: 21-AEA-22 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	CALVERTON	CCC	VOR/DME	L	056.65	043.65	24.70	24.70	2000	17500
2	MADISON	MAD	VOR/DME	L	126.00	113.00	13.28	13.28	2000	17500
3	BRIDGEPORT	BDR	VOR/DME	L	094.64	082.64	32.06	32.06	3000	17500
4	HAMPTON	HTO	VORTAC	H	358.50	345.50		19.08	2000	17500

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	S		WP	168.42	348.42	L		2100	6000	5	6
2	W	BDR	VOR/DME	094.64	094.64	R	1	3000	6000	6	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (36-000303)	410633.00N/0722204.00W	387	5D
2	200	AAO	411736.00N/0722803.00W	348	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC SEPARATION

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

SECTIONAL ADDED PER ATC REQUEST
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 CALVERTON (FAC 1) AND MADISON (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	V16	1, 2, 3, 4				(US)
EN ROUTE	V374	1, 2, 3, 4				(US)
IAP	RNAV (GPS) RWY 17		1	KSNC	CHESTER	CT (US)
IAP	RNAV (GPS) RWY 35		1	KSNC	CHESTER	CT (US)
IAP	RNAV (GPS) RWY 5			KGON	GROTON (NEW LONDON)	CT (US)
IAP	ILS OR LOC RWY 2	3, 4	2	KHVN	NEW HAVEN	CT (US)
IAP	VOR OR GPS-A	1, 2		0B8	FISHERS ISLAND	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET ADDED 21-AEA-22
 FIX MAKE-UP FACILITIES UPDATED FAC 2 DME AND DIST FROM FACILITY FROM 13.27 TO 13.28 REMOVED FAC 3
 ESV REMOVED CMK ESV
 PATTERNS REMOVED PAT 2 AND CONTROLLING OBSTACLE
 REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST
 FIX USE ADDED T224 AND RNAV (GPS) RWY 5 @ KGON, UPDATED FAC FOR V16, V374 AND ILS OR LOC RWY 2 @ KHVN, UPDATED PAT FOR ILS OR LOC RWY 2 @ KHVN, ADDED FAC 1 AND FAC 2 TO VOR OR GPS A @ 0B8
 REQUIRED CHARTING ADDED SECTIONAL

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FOSTY

STATE: RI

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 415035.46N/0713831.34W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-22

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	NORTH KINGSTOWN	I-OQU	LOC/DME		340.00	325.00	18.59	18.58		2200	4500
2	NORWICH	ORW	VOR/DME	L	056.92	042.92	23.53	23.53		2500	17500
3	PUTNAM	PUT	VOR/DME	H	140.57	126.57	11.28	11.28		3000	17500
4	PROVIDENCE	PVD	VOR/DME	H	320.85	306.85	11.90	11.90		2500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-OQU	LOC/DME	R-340	19	2200	4500

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	ORW	VOR/DME	056.92	056.92	L	1		2500	17500	5	17
2	SW	PUT	WP	237.00	057.00	L		4	2500	17500	5	17
3	NW	PUT	VOR/DME	140.57	140.57	L	1		2500	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (44-000083)	415032.57N/0714011.29W	1069	2C
2	200	TOWER (44-000083)	415032.57N/0714011.29W	1069	2C
3	200	TOWER (44-000083)	415032.57N/0714011.29W	1069	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIRWAY SEPARATION
PAT 2 AIRWAY SEPARATION
PAT 3 AIRWAY SEPARATION

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

NORWICH (FAC 2) AND PUTNAM (FAC 3) USED TO ESTABLISH FIX COORDINATES.
SECTIONAL ADDED PER ATC REQUEST
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	T393					(US)
EN ROUTE	V146	2, 3, 4				(US)
EN ROUTE	V16	2, 3	1			(US)
EN ROUTE	V3	2, 3	1			(US)
IAP	ILS OR LOC RWY 16	1, 2, 3		KOQU	NORTH KINGSTOWN	RI (US)
IAP	RNAV (GPS) RWY 16			KOQU	NORTH KINGSTOWN	RI (US)
IAP	RNAV (GPS) RWY 34		2	KOQU	NORTH KINGSTOWN	RI (US)
IAP	LOC RWY 5	2, 3	1, 3	KSFZ	PAWTUCKET	RI (US)
IAP	RNAV (GPS) RWY 5		2	KSFZ	PAWTUCKET	RI (US)
IAP	VOR-A	2, 3	1	KSFZ	PAWTUCKET	RI (US)
IAP	VOR-B	2, 3	1	KSFZ	PAWTUCKET	RI (US)
IAP	ILS OR LOC RWY 23	2, 3	1	KPVD	PROVIDENCE	RI (US)
IAP	ILS OR LOC RWY 34	2, 3	1	KPVD	PROVIDENCE	RI (US)
IAP	ILS OR LOC RWY 5	2, 4	1	KPVD	PROVIDENCE	RI (US)
IAP	ILS RWY 23 (SA CAT I & II)	2, 3	1	KPVD	PROVIDENCE	RI (US)
IAP	ILS RWY 5 (CAT II & III)	2, 4	1	KPVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) RWY 16			KPVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) RWY 34		2	KPVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) RWY 5		2	KPVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) Y RWY 23		2	KPVD	PROVIDENCE	RI (US)
IAP	RNAV (RNP) Z RWY 23		2	KPVD	PROVIDENCE	RI (US)
IAP	VOR RWY 5	2, 3, 4	1	KPVD	PROVIDENCE	RI (US)
IAP	VOR Y RWY 34	2, 3, 4	1	KPVD	PROVIDENCE	RI (US)
IAP	VOR Z RWY 34	2, 4	1	KPVD	PROVIDENCE	RI (US)
IAP	VOR/DME RWY 16	2, 4	1	KPVD	PROVIDENCE	RI (US)
IAP	VOR/DME RWY 23	2, 4	1	KPVD	PROVIDENCE	RI (US)
STAR	OOSH (RNAV)			KBOS	BOSTON	MA (US)
STAR	WOONS	2, 3, 4		KBOS	BOSTON	MA (US)
STAR	SCOGS (RNAV)			KPWM	PORTLAND	ME (US)

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

QUALITY
32
CHECKED

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 24

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET CHANGED FROM 19-ANE-8 TO 21-AEA-22
REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST
FIX USE ADDED T224 REMOVED V405 AND VOR/DME RWY 34 @ KPVD
REQUIRED CHARTING ADDED SECTIONAL

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HEDGE

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 385332.11N/0755014.46W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-22

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	SMYRNA	ENO	VORTAC	L	225.54	216.54	25.29	25.29	2000	17500
2	WATERLOO	ATR	VOR/DME	L	288.76	279.76		29.76	2000	17500
3	SEA ISLE	SIE	VORTAC	H	265.23	256.23		50.02	7000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SIE	VORTAC	R-265	51	7000	14600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SMYRNA (FAC 1) AND WATERLOO (FAC 2) USED TO ESTABLISH FIX COORDINATES.
SECTIONAL ADDED PER ATC REQUEST

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	V157	1, 2, 3				(US)
EN ROUTE	V16	1, 2, 3				(US)
EN ROUTE	V213	1, 2, 3				(US)
STAR	ARLFT (RNAV)			KDOV	DOVER	DE (US)
STAR	ARLFT (RNAV)			33N	DOVER/CHESWOLD	DE (US)
STAR	ARLFT (RNAV)			KILG	WILMINGTON	DE (US)
STAR	WAALK (RNAV)			KBLM	BELMAR/FARMINGDALE	NJ (US)
STAR	WAALK (RNAV)			KNEL	LAKEHURST	NJ (US)
STAR	WAALK (RNAV)			N14	LUMBERTON	NJ (US)
STAR	WAALK (RNAV)			KVAY	MOUNT HOLLY	NJ (US)
STAR	WAALK (RNAV)			N87	ROBBINSVILLE	NJ (US)
STAR	WAALK (RNAV)			KMJX	TOMS RIVER	NJ (US)
STAR	PAATS (RNAV)			KTTN	TRENTON	NJ (US)
STAR	WAALK (RNAV)			KWRI	WRIGHTSTOWN	NJ (US)
STAR	PAATS (RNAV)			KMQS	COATESVILLE	PA (US)
STAR	PAATS (RNAV)			KPHL	PHILADELPHIA	PA (US)
STAR	PAATS (RNAV)			KPNE	PHILADELPHIA	PA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET ADDED 21-AEA-22
FIX MAKE-UP FACILITIES REMOVED DME FROM FAC1 AND FAC 2
ESV UPDATED MAX ALTITUDE ON SIE FROM 14500 TO 14600
REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST
FIX USE ADDED T224
REQUIRED CHARTING ADDED SECTIONAL

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HEFTY STATE: RI COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 415419.19N/0713350.39W TYPE: WP, INT, DME
 AIRSPACE DOCKET: 21-AEA-22 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	NORWICH	ORW	VOR/DME	L	056.92	042.92	28.64	28.64	2200	17500
2	PROVIDENCE	PVD	VOR/DME	H	345.00	331.00	12.42	12.42	2200	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	N	PVD	VOR/DME	345.00	165.00	R	1	2200 4000	7 7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (44-000083)	415032.57N/0714011.29W	1069	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

NORWICH (FAC 1) AND PROVIDENCE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
 SECTIONAL ADDED PER ATC REQUEST
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	T224					RI (US)
IAP	VOR/DME RWY 16	1, 2	1	KPVD	PROVIDENCE	MA (US)
STAR	WOONS	1, 2		KBOS	BOSTON	MA (US)
STAR	WOONS	1, 2		1B9	MANSFIELD	MA (US)
STAR	WOONS	1, 2		KGHG	MARSHFIELD	MA (US)
STAR	WOONS	1, 2		KOWD	NORWOOD	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

TYPE ADDED WP
 AIRSPACE DOCKET ADDED 21-AEA-22
 REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST, REMOVED CHART ON CONTROLLER LOW - ATC REQUEST
 FIX USE ADDED T224 AND WOONS @ KOWD, 1B9 AND KGHG
 REQUIRED CHARTING ADDED SECTIONAL AND ENROUTE LOW

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JAFFY

STATE: NY

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 405324.08N/0730728.19W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-22

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	CALVERTON	CCC	VOR/DME	L	274.00	261.00	15.00	15.00	2000	17500
2	BRIDGEPORT	BDR	VOR/DME	L	192.00	180.00		16.23	2000	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	E	CCC	VOR/DME	094.00	274.00	L	1	2000 6000	4 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (36-001107)	405323.00N/0725711.00W	821	5D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

CALVERTON (FAC 1) AND BRIDGEPORT (FAC 2) USED TO ESTABLISH FIX COORDINATES.
SECTIONAL ADDED PER ATC REQUEST
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	V16	1, 2	1			(US)

REQUIRED CHARTING: SECTIONAL, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

TYPE ADDED WP
AIRSPACE DOCKET ADDED 21-AEA-22
PATTERNS UPDATED LEG TIME REMOVED 1 1/2
CONTROLLING OBSTRUCTIONS UPDATED ELEVATION FROM 822 TO 821
REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST
FIX USE ADDED T224
REQUIRED CHARTING ADDED SECTIONAL AND CONTROLLER LOW REMOVED CONTROLLER

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JEWIT STATE: CT COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 414145.92N/0714933.18W TYPE: WP, INT, DME
 AIRSPACE DOCKET: 21-AEA-22 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	PROVIDENCE	PVD	VOR/DME	H	278.70	264.70	17.89	17.89	2100	17500
2	NORWICH	ORW	VOR/DME	L	056.92	042.92	11.45	11.45	2100	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	E	PVD	VOR/DME	276.96	276.96	L	1	2100 10000	5 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (44-020406)	414011.00N/0714213.21W	1002	5D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

REMARKS:

PROVIDENCE (FAC 1) AND NORWICH (FAC 2) USED TO ESTABLISH FIX COORDINATES.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 CHART ON SECTIONAL - ATC REQUEST

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	T315					(US)
EN ROUTE	V16					(US)
EN ROUTE	V167	1, 2				(US)
EN ROUTE	V3					(US)
IAP	RNAV (GPS) RWY 5			KSFZ	PAWTUCKET	RI (US)
STAR	WOONS			KBOS	BOSTON	MA (US)
STAR	WOONS			1B9	MANSFIELD	MA (US)
STAR	WOONS			KGHG	MARSHFIELD	MA (US)
STAR	WOONS			KOWD	NORWOOD	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET ADDED 21-AEA-22
 FIX MAKE-UP FACILITIES REPLACED FAC 1 HFD WITH PVD
 PATTERNS UPDATED PAT 1 IDENT FROM HFD TO PVD AND TEMPLATE FROM 8/11 TO 5/10
 CONTROLLING OBSTRUCTION UPDATED PAT 1
 REMARKS UPDATED HARTFORD (FAC 1) AND NORWICH (FAC 2) USED TO ESTABLISH FIX COORDINATES TO PROVIDENCE (FAC1) AND NOORWICH (FAC 2) USED TO ESTABLISH FIX COORDINATES
 FIX USE ADDED T224, T315 AND WOONS @ 1B9, KGHG AND KOWD AND REFORMATTED V3-V167 TO SEPERATE PROCEDURES

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JIIMS

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 393215.62N/0745801.72W

TYPE: WP

AIRSPACE DOCKET: 21-AEA-22

FIX TYPE OF ACTION: NO CHANGE

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		WP	228.00	048.00	L	4	4000 14000	7 9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	210	TOWER (34-000253)	393506.20N/0750244.37W	434	1A

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

PAT 1 CHART 210K ICON
HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

SECTIONAL PER ATC REQUEST
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
IAP	RNAV (GPS) RWY 35			KPHL	PHILADELPHIA	PA (US)
STAR	JIIIMS (RNAV)		1	KILG	WILMINGTON	DE (US)
STAR	JIIIMS (RNAV)		1	KTTN	TRENTON	NJ (US)
STAR	JIIIMS (RNAV)		1	KMQS	COATESVILLE	PA (US)
STAR	JIIIMS (RNAV)		1	KPHL	PHILADELPHIA	PA (US)
STAR	JIIIMS (RNAV)		1	KPNE	PHILADELPHIA	PA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET ADDED 21-AEA-22
HOLDING PATTERN 1: CHANGED MIN HOLDING TEMPLATE FROM 5 TO 7
CONTROLLING OBSTRUCTIONS: CHANGED AIRSPEED FROM 200 TO 210 AND OBST FROM 588 TOWER TO 434 TOWER
REMARKS ADDED SECTIONAL PER ATC REQUEST
FIX USE ADDED T224
REQUIRED CHARTING: ADDED ENROUTE/CONTROLLER LOW AND SECTIONAL TO CHARTING

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KEEPM

STATE: NY

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 405014.77N/0733242.58W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-22

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	KENNEDY	JFK	VOR/DME	H	052.00	040.00	16.03	16.03		2000	17500
2	CALVERTON	CCC	VOR/DME	L	274.00	261.00	34.41	34.41		2000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SECTIONAL ADDED PER ATC REQUEST

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	T315					(US)
EN ROUTE	V16	1, 2				(US)
EN ROUTE	V229	1, 2				(US)

REQUIRED CHARTING: SECTIONAL, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

TYPE ADDED WP

AIRSPACE DOCKET CHANGED FROM 10-AEA-11 TO 21-AEA-22

REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST

FIX USE ADDED T315 AND T224

REQUIRED CHARTING ADDED SECTIONAL AND CONTROLLER LOW REMOVED CONTROLLER

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KEYED

STATE: NY

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 410051.45N/0724131.84W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-22

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	CALVERTON	CCC	VOR/DME	L	056.64	043.64	7.02	7.02		2000	17500
2	MADISON	MAD	VOR/DME	L	193.00	180.00	17.96	17.96		2000	17500
3	BRIDGEPORT	BDR	VOR/DME	L	125.97	113.97		21.49		3000	17500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

REMARKS:

CALVERTON (FAC 1) AND MADISON (FAC 2) USED TO ESTABLISH FIX COORDINATES.
DO NOT CHART BDR VOR/DME R-126 ON EN ROUTE/CONTROLLER LOW CHARTS.
SECTIONAL ADDED PER ATC REQUEST

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	V16	1, 2				(US)
IAP	RNAV (GPS) RWY 2			KHVN	NEW HAVEN	CT (US)
STAR	RICED	1, 2, 3		KDXR	DANBURY	CT (US)
STAR	RICED	1, 2, 3		KHPN	WHITE PLAINS	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET CHANGED FROM 21-AEA-17 TO 21-AEA-22
PATTERNS REMOVED PAT 1 AND PAT 2
REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST, REMOVED PRECIPITOUS TERRAIN EVALUATION COMPLETED
FIX USE ADDED T224, REMOVED RNAV (GPS) RWY 14, RNAV (GPS) RWY 32 AND VOR/DME RWY 32 @ 3C8
REQUIRED CHARTING ADDED SECTIONAL

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KURTY

STATE: CT

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 412052.33N/0721604.28W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-22

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	NORWICH	ORW	VOR/DME	L	238.18	224.18	17.41	17.41		2500	17500
2	GROTON	GON	VOR/DME	T	290.20	276.20		9.81		2500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SECTIONAL ADDED PER ATC REQUEST

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	V16	1, 2				(US)
EN ROUTE	V188	1, 2				(US)
EN ROUTE	V374	1, 2				(US)
IAP	RNAV (GPS) RWY 7			KWST	WESTERLY	RI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET ADDED 21-AEA-22

FIX MAKE-UP REMOVED FIX DELCI AND ADDED DIST FROM FAC TO FAC 1 AND FAC 2

ESV REMOVED

REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST REMOVED WAYPOINT COLLOCATED WITH INTERSECTION AND MAG VARS:

ORW 14W, TMU 14W

FIX USE ADDED T224 AND ADDED FAC 1 AND FAC 2 TO V16, V188 AND V374

REQUIRED CHARTING ADDED SECTIONAL AND CONTROLLER LOW AND REMOVED CONTROLLER

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LEBVE

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 393925.01N/0744423.42W

TYPE: WP, DME

AIRSPACE DOCKET: 21-AEA-22

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	COYLE	CYN	VORTAC	H	246.12	236.12	17.20	17.20		1900	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SECTIONAL ADDED PER ATC REQUEST

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	V16	1				NJ (US)
IAP	RNAV (RNP) Z RWY 13			KACY	ATLANTIC CITY	NJ (US)
IAP	RNAV (GPS) RWY 1			N14	LUMBERTON	NJ (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET ADDED 21-AEA-22

REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST

FIX USE ADDED T224

REQUIRED CHARTING ADDED SECTIONAL

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MILIS STATE: MA COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 420618.59N/0711841.62W TYPE: WP, INT, DME
 AIRSPACE DOCKET: 21-AEA-22 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	BOSTON	BOS	VOR/DME	H	239.60	223.60	20.86	20.86	2000	17500
2	PROVIDENCE	PVD	VOR/DME	H	027.00	013.00	23.44	23.44	2000	17500
3	GARDNER	GDM	VOR/DME	L	142.25	128.25		42.46	2000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GDM	VOR/DME	R-142	43	2000	17500

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	MAX	TEMPLATES MIN	MAX
1	NE	BOS	VOR/DME	239.60	239.60	R	1	3000	17500	6	22

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (25-000031)	421837.18N/0711411.71W	1447	1A
1	310	TOWER (25-000031)	421837.18N/0711411.71W	1447	1A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	LOC RWY 35	KOWD	NORWOOD	MA (US)

REMARKS:

BOSTON (FAC 1) AND PROVIDENCE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
 SECTIONAL ADDED PER ATC REQUEST
 PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	V16	1, 2, 3				(US)
EN ROUTE	V3	1, 2, 3				(US)
IAP	LOC RWY 35	1, 2, 3	1	KOWD	NORWOOD	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 20

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET ADDED 21-AEA-22
 PATTERNS PAT 1 REMOVED LEG LENGTH 1 1/2 UPDATED TEMPLATES FROM 5/18 TO 6/22
 CONTROLLING OBSTRUCTIONS UPDATED PAT 1/2 OBSTRUCTION
 REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST
 FIX USE ADDED T224
 REQUIRED CHARTING ADDED SECTIONAL

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MOVFA

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 401354.46N/0740358.46W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-22

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	KENNEDY	JFK	VOR/DME	H	221.42	209.42	27.58	27.58		2000	17500
2	LA GUARDIA	LGA	VOR/DME	L	207.35	195.35	34.31	34.31		4000	17500
3	ROBBINSVILLE	RBV	VORTAC	H	094.75	084.75		19.79		4000	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	LGA	VOR/DME	207.35	207.35	L	1		4000	6000	6	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (34-000643)	401641.40N/0740449.50W	609	3E

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

KENNEDY (FAC 1) USED TO ESTABLISH FIX COORDINATES.
SECTIONAL ADDED PER ATC REQUEST
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	T315					(US)
EN ROUTE	V1	1, 2, 3				(US)
EN ROUTE	V16	1, 2, 3				(US)
EN ROUTE	V229	1, 2, 3				(US)
IAP	RNAV (GPS) RWY 24			N12	LAKEWOOD	NJ (US)
IAP	ILS OR LOC RWY 31R	2, 3	1	KJFK	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET ADDED 21-AEA-22
REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST
FIX USE ADDED T224 AND T315 ADDED FAC 2 AND FAC 3 TO V1, V16 AND V229
REQUIRED CHARTING ADDED SECTIONAL

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ORETE

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 385032.12N/0755303.73W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-22

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	SMYRNA	ENO	VORTAC	L	225.54	216.54	29.01	29.01	2000	17500
2	WATERLOO	ATR	VOR/DME	L	282.74	273.74	31.62	31.62	2000	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	W	ATR	VOR/DME	282.74	102.74	R	1		2000	6000	5	7
2	NW		WP	298.98	118.98	R		4	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (24-000897)	385335.80N/0755029.40W	331	2C
2	200	AAO	385142.00N/0760118.00W	279	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

SMYRNA (FAC 1) USED TO ESTABLISH FIX COORDINATES.
SECTIONAL ADDED PER ATC REQUEST
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	V157	1, 2				(US)
EN ROUTE	V16	1, 2				(US)
EN ROUTE	V213	1, 2				(US)
IAP	ILS OR LOC RWY 4	1, 2	1	KESN	EASTON	MD (US)
IAP	RNAV (GPS) RWY 15		2	KESN	EASTON	MD (US)
IAP	RNAV (GPS) RWY 33		2	KESN	EASTON	MD (US)
IAP	RNAV (GPS) RWY 4		2	KESN	EASTON	MD (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET ADDED 21-AEA-22
CONTROLLING OBSTRUCTION UPDATED PAT 1 OBSTRUCTION
REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST
FIX USE ADDED T224
REQUIRED CHARTING ADDED SECTIONAL

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PRNCZ

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 383738.10N/0760508.20W

TYPE: WP

AIRSPACE DOCKET: 21-AEA-22

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SECTIONAL ADDED PER ATC REQUEST

FIX USE:

USE TYPE

EN ROUTE

EN ROUTE

STAR

STAR

STAR

USE TITLE

T224

T315

ARLFT (RNAV)

ARLFT (RNAV)

ARLFT (RNAV)

FAC

PAT

AIRPORT IDENT

CITY

STATE

(US)

(US)

DE (US)

DE (US)

DE (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET ADDED 21-AEA-22

REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST

FIX USE ADDED T315 AND T224

REQUIRED CHARTING ADDED SECTIONAL

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: QUENS

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 382604.59N/0761910.06W

TYPE: WP

AIRSPACE DOCKET: 21-AEA-22

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SECTIONAL ADDED PER ATC REQUEST

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

EN ROUTE

T224

(US)

EN ROUTE

T315

(US)

REQUIRED CHARTING: SECTIONAL, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/23/2023

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RIDGY STATE: MD COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 385634.71N/0754723.33W TYPE: WP, DME
 AIRSPACE DOCKET: 21-AEA-22 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	SMYRNA	ENO	VORTAC	L	225.56	216.56	21.52	21.52	2000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ENO	VORTAC	R-226	22	18000	45000

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	ENO	VORTAC	225.56	045.56	R	1	2000 6000	4 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (24-000914)	385320.00N/0754929.90W	374	5E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

SECTIONAL ADDED PER ATC REQUEST
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	V157	1				(US)
EN ROUTE	V16	1				(US)
EN ROUTE	V213	1				(US)
IAP	ILS OR LOC RWY 4	1	1	KESN	EASTON	MD (US)
IAP	RNAV (GPS) RWY 22			KESN	EASTON	MD (US)
STAR	DEALE (RNAV)			KDCA	WASHINGTON	DC (US)
STAR	KORRY	1		KLGA	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET CHANGED FROM 20-ASO-31 TO 21-AEA-22
 REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST
 FIX USE ADDED T224
 REQUIRED CHARTING ADDED SECTIONAL

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SALEM **STATE:** CT **COUNTRY:** US **ICAO REGION CODE:** K6
LATITUDE/LONGITUDE: 412448.41N/0721101.30W **TYPE:** WP, INT, DME
AIRSPACE DOCKET: 21-AEA-22 **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	NORWICH	ORW	VOR/DME	L	238.18	224.18	11.94	11.94		2500	17500
2	GROTON	GON	VOR/DME	T	323.97	309.97		7.76		2500	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	ORW	VOR/DME	238.18	238.18	R	1		4000	10000	6	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (09-000279)	412503.00N/0721153.28W	1511	1A

REMARKS:

NORWICH (FAC 1) AND GROTON (FAC 2) USED TO ESTABLISH FIX COORDINATES.
 SECTIONAL ADDED PER ATC REQUEST
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	V16	1, 2				(US)

REQUIRED CHARTING: SECTIONAL, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 02/23/2023

REASON FOR REVISION:

TYPE ADDED WP
 AIRSPACE DOCKET CHANGED FROM 21-AEA-17 TO 21-AEA-22
 FIX MAKE-UP REMOVED FAC 3 HFD AND FAC 1 CCC, REMOVED DME, UPDATED FAC NUMBERING
 PATTERNS UPDATED PAT 1 IDENT FROM CCC TO ORW AND ALL ASSOCIATED DATA
 CONTROLLING OBSTRUCTION UPDATED TO NEW OBSTACLE
 REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST, UPDATED FAC USED TO ESTABLISH FIX COORDINATES FAC NUMBERS AND
 REMOVED CHART HOLDING ON L-25/28
 FIX USE ADDED T224 UPDATED V16 FAC USE
 REQUIRED CHARTING ADDED SECTIONAL

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A421 **NAME:** JOSHUA DUGAN
APPROVED BY: **DATE:** 02/23/2023 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON
SIGNATURE: *Digitally signed by*
ALLAN WILL
 Nov 18, 2022

QUALITY
 32
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SHLBK

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 382016.21N/0762610.51W

TYPE: WP

AIRSPACE DOCKET: 21-AEA-22

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

CHART ON SECTIONAL - ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LUCYL (RNAV)			KRIC	RICHMOND	VA (US)
EN ROUTE	T224					(US)
EN ROUTE	T315					(US)
STAR	MAZIE (RNAV)			KCDW	CALDWELL	NJ (US)
STAR	MAZIE (RNAV)			N07	LINCOLN PARK	NJ (US)
STAR	MAZIE (RNAV)			KLDJ	LINDEN	NJ (US)
STAR	MAZIE (RNAV)			47N	MANVILLE	NJ (US)
STAR	MAZIE (RNAV)			KMMU	MORRISTOWN	NJ (US)
STAR	BRAND (RNAV)			KEWR	NEWARK	NJ (US)
STAR	MAZIE (RNAV)			KSMQ	SOMERVILLE	NJ (US)
STAR	MAZIE (RNAV)			KTEB	TETERBORO	NJ (US)
STAR	APPLE (RNAV)			KLGA	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET ADDED 21-AEA-22

REMARKS ADDED CHART ON SECTIONAL - ATC REQUEST

FIX USE ADDED T315 AND T224

REQUIRED CHARTING ADDED AREA AND SECTIONAL

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SMYRNA VORTAC

STATE: DE

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391353.93N/0753057.49W

TYPE:

AIRSPACE DOCKET: 21-AEA-22

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	SMYRNA	ENO	VORTAC	L							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 ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	W	ENO	VORTAC	250.66	070.66	L	1		1600	6000	5	7
2	E	ENO	VORTAC	088.40	268.40	R	1		1500	6000	5	7
3	W		WP	254.94	074.94	L		10	24000	45000	20	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (10-000007)	391202.00N/0753352.00W	433	4D
2	230	TOWER (10-000007)	391202.00N/0753352.00W	433	4D

REASON FOR NONSTANDARD HOLDING:

PAT 1 SEPARATION WITH DOVER AFB TRAFFIC
PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 FOR ATC USE.
FACILITY MAGVAR: 9W/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CAPITAL			KIAD	WASHINGTON	DC (US)
DP	PALEO			KBWI	BALTIMORE	MD (US)
DP	SWANN			KBWI	BALTIMORE	MD (US)
DP	ATLANTIC CITY			KACY	ATLANTIC CITY	NJ (US)
DP	LEEAH			KMIV	MILLVILLE	NJ (US)
DP	PHILADELPHIA			KPHL	PHILADELPHIA	PA (US)
EN ROUTE	Q127		3			(US)
EN ROUTE	T224					(US)
EN ROUTE	T358					(US)
EN ROUTE	T416					(US)
EN ROUTE	V157					(US)
EN ROUTE	V16					(US)
EN ROUTE	V213					(US)
EN ROUTE	V268					(US)
EN ROUTE	V29					(US)
EN ROUTE	V379					(US)
IAP	ILS OR LOC RWY 1			KDOV	DOVER	DE (US)
IAP	ILS RWY 1 (CAT II)			KDOV	DOVER	DE (US)
IAP	TACAN RWY 1			KDOV	DOVER	DE (US)
IAP	RNAV (GPS) RWY 9		2	33N	DOVER/CHESWOLD	DE (US)
IAP	VOR RWY 27			33N	DOVER/CHESWOLD	DE (US)
IAP	NDB-A			KEVY	MIDDLETOWN	DE (US)
IAP	RNAV (GPS) Y RWY 35			KEVY	MIDDLETOWN	DE (US)
IAP	RNAV (GPS) Z RWY 35			KEVY	MIDDLETOWN	DE (US)
IAP	VOR 9			KILG	WILMINGTON	DE (US)
IAP	VOR RWY 27			KILG	WILMINGTON	DE (US)
IAP	LDA RWY 33			KMTN	BALTIMORE	MD (US)
IAP	RNAV (GPS) RWY 33			KMTN	BALTIMORE	MD (US)
IAP	ILS OR LOC RWY 4			KESN	EASTON	MD (US)
IAP	RNAV (GPS)-B			58M	ELKTON	MD (US)
IAP	VOR/DME-A			58M	ELKTON	MD (US)
IAP	ILS OR LOC RWY 10			KMIV	MILLVILLE	NJ (US)
IAP	RNAV (GPS) RWY 10			KMIV	MILLVILLE	NJ (US)
IAP	RNAV (GPS) RWY 32			KMIV	MILLVILLE	NJ (US)
IAP	RNAV (GPS) RWY 19			KWWD	WILDWOOD	NJ (US)
STAR	ARLFT (RNAV)			KDOV	DOVER	DE (US)
STAR	SMYRNA			KDOV	DOVER	DE (US)
STAR	ARLFT (RNAV)			33N	DOVER/CHESWOLD	DE (US)
STAR	ARLFT (RNAV)			KILG	WILMINGTON	DE (US)
STAR	KORRY			KLGA	NEW YORK	NY (US)

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

QUALITY
32
CHECKED

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 30

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET CHANGED FROM 21-AEA-16 TO 21-AEA-22
FIX USE ADDED T224

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TRANZ

STATE: NY

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 405131.95N/0732230.80W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-22

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	CALVERTON	CCC	VOR/DME	L	274.00	261.00	26.57	26.57		2000	17500
2	KENNEDY	JFK	VOR/DME	H	065.00	053.00	22.58	22.58		2000	17500
3	DEER PARK	DPK	VOR/DME	L	333.02	321.02		5.18		2000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SECTIONAL ADDED PER ATC REQUEST

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	T315					(US)
EN ROUTE	V16	1, 3				(US)
EN ROUTE	V229	1, 2, 3				(US)

REQUIRED CHARTING: SECTIONAL, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

TYPE ADDED WP

AIRSPACE DOCKET CHANGED FROM 10-AEA-11 TO 21-AEA-22

FIX MAKE-UP FACILITIES UPDATED FAC 2 DME AND DIST FROM FAC FROM 22.55 TO 22.58 AND REMOVED DME FROM FAC 3

REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST

FIX USE ADDED T315 AND T224

REQUIRED CHARTING ADDED SECTIONAL AND CONTROLLER LOW REMOVED CONTROLLER

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VIKKY STATE: NY COUNTRY: US ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 410427.41N/0723658.72W TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-22 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	CALVERTON	CCC	VOR/DME	L	056.65	043.65	12.00	12.00		2000	17500
2	MADISON	MAD	VOR/DME	L	179.52	166.52	14.77	14.77		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	NE	CCC	VOR/DME	056.65	236.65	L	1	2000 17500	4 16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	410018.00N/0723409.00W	345	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

SECTIONAL ADDED PER ATC REQUEST
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	V16	1, 2	1			(US)

REQUIRED CHARTING: SECTIONAL, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

TYPE ADDED WP
AIRSPACE DOCKET CHANGED FROM 21-AEA-17 TO 21-AEA-22
REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST, PRECIPITOUS TERRAIN EVALUATION COMPLETE AND MOVED HOLDING LIMITED TO ESTABLISHED PATTERN TO HOLDING RESTRICTIONS
FIX USE ADDED T224
REQUIRED CHARTING ADDED SECTIONAL AND REMOVED IAP

INITIATED BY: DATE: ORGANIZATION: NAME:
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A421 NAME: JOSHUA DUGAN
APPROVED BY: DATE: 02/23/2023 OFFICE: AJV-A420 NAME: MARLON ROBINSON

SIGNATURE: Digitally signed by
ALLAN WILL
Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WHITE

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 400024.32N/0741504.61W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-22

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	COYLE	CYN	VORTAC	H	046.19	036.19	14.08	14.08		2500	45000
2	ROBBINSVILLE	RBV	VORTAC	H	146.19	136.19		16.23		2500	45000
3	COLTS NECK	COL	VOR/DME	L	204.00	193.00		18.76		2500	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
COL	VOR/DME	R-204	19	18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

COYLE (FAC 1) AND ROBBINSVILLE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
SECTIONAL ADDED PER ATC REQUEST

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRIDGEHAVEN			KBDR	BRIDGEPORT	CT (US)
DP	BRIDGEHAVEN			KHVN	NEW HAVEN	CT (US)
DP	MORRISTOWN	3		KMMU	MORRISTOWN	NJ (US)
DP	LIBERTY	3		KEWR	NEWARK	NJ (US)
DP	NEWARK	3		KEWR	NEWARK	NJ (US)
DP	PORTT (RNAV)			KEWR	NEWARK	NJ (US)
DP	RUUDY (RNAV)			KTEB	TETERBORO	NJ (US)
DP	TETERBORO	3		KTEB	TETERBORO	NJ (US)
DP	REPUBLIC			KFRG	FARMINGDALE	NY (US)
DP	LONG ISLAND			KISP	NEW YORK	NY (US)
DP	KENNEDY			KJFK	NEW YORK	NY (US)
DP	SKORR (RNAV)			KJFK	NEW YORK	NY (US)
DP	HOPEA (RNAV)			KLGA	NEW YORK	NY (US)
DP	JUTES (RNAV)			KLGA	NEW YORK	NY (US)
DP	LA GUARDIA			KLGA	NEW YORK	NY (US)
DP	NTHNS (RNAV)			KLGA	NEW YORK	NY (US)
DP	TNNIS (RNAV)			KLGA	NEW YORK	NY (US)
DP	STEWART	3		KSWF	NEW YORK	NY (US)
DP	DUTCHESS	3		KPOU	POUGHKEEPSIE	NY (US)
DP	PROP			KHPN	WHITE PLAINS	NY (US)
DP	WESTCHESTER			KHPN	WHITE PLAINS	NY (US)
EN ROUTE	J209	1, 2, 3				(US)
EN ROUTE	Q409					(US)
EN ROUTE	T224					(US)
EN ROUTE	V1	1, 2, 3				(US)
EN ROUTE	V16	1, 2, 3				(US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET CHANGED FROM 21-AEA-11 TO 21-AEA-22
REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST
FIX USE ADDED T224 AND UPDATED DP STEWART @ KSWF CITY FROM NEWBURGH TO NEW YORK
REQUIRED CHARTING ADDED SECTIONAL

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AVJ-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WOONS

STATE: RI

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 415702.07N/0713025.34W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-22

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	056.92	042.92	32.37	32.37	2500	17500
2	PUTNAM	PUT	VOR/DME	H	105.00	091.00	15.09	15.09	2000	17500
3	BOSTON	BOS	VOR/DME	H	239.60	223.60	33.60	33.60	2000	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	SW	BOS	VOR/DME	239.60	059.60	L	1	3000 10000	6 11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (44-000083)	415032.57N/0714011.29W	1069	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC SEPARATION FROM PVD AIRSPACE

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

NORWICH (FAC 1) AND PUTNAM (FAC 2) USED TO ESTABLISH FIX COORDINATES.
SECTIONAL ADDED PER ATC REQUEST
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	V16	1, 2, 3	1			(US)
EN ROUTE	V3	1, 2, 3	1			(US)
IAP	RNAV (GPS) RWY 32			KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) RWY 4L			KBOS	BOSTON	MA (US)
IAP	COPTER RNAV (GPS) Y RWY 14			1B9	MANSFIELD	MA (US)
IAP	RNAV (GPS) RWY 32			1B9	MANSFIELD	MA (US)
IAP	RNAV (GPS) Z RWY 14			1B9	MANSFIELD	MA (US)
IAP	RNAV (GPS) RWY 35			KOWD	NORWOOD	MA (US)
IAP	RNAV (GPS) RWY 16			KPVD	PROVIDENCE	RI (US)
STAR	WOONS	1, 2	1	KBOS	BOSTON	MA (US)
STAR	WOONS	1, 2	1	1B9	MANSFIELD	MA (US)
STAR	WOONS	1, 2	1	KGHG	MARSHFIELD	MA (US)
STAR	WOONS	1, 2	1	KOWD	NORWOOD	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

AIRSPACE DOCKET ADDED 21-AEA-22
CONTROLLING OBSTRUCTION UPDATED PAT 1 OBSTRUCTION
REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST
FIX USE ADDED T224
REQUIRED CHARTING ADDED SECTIONAL

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Nov 18, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: YODER

STATE: CT

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 411722.51N/0722032.79W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-22

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	NORWICH	ORW	VOR/DME	L	238.18	224.18	22.27	22.27		2500	17500
2	HAMPTON	HTO	VORTAC	H	010.00	357.00	22.25	22.25		2500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

NORWICH (FAC 1) AND HAMPTON (FAC 2) USED TO ESTABLISH FIX COORDINATES.
SECTIONAL ADDED PER ATC REQUEST

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	COASTAL			KHFD	HARTFORD	CT (US)
DP	COASTAL			KBDL	WINDSOR LOCKS	CT (US)
DP	COASTAL			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
EN ROUTE	T224					(US)
EN ROUTE	V16					(US)
EN ROUTE	V374					(US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

TYPE ADDED WP
AIRSPACE DOCKET ADDED 21-AEA-22
FIX MAKE-UP FACILITIES CHANGED FAC 2 FROM CCC TO ORW AND RENUMBERED FAC1 AND FAC 2
REMARKS ADDED SECTIONAL ADDED PER ATC REQUEST AND CHANGED HAMPTON (FAC1) AND CALVERTON (FAC 2) USED TO ESTABLISH FIX COORDINATES TO NORWICH (FAC 1) AND HAMPTON (FAC 2) USED TO ESTABLISH FIX COORDINATES
FIX USE ADDED T224
REQUIRED CHARTING ADDED SECTIONAL

12/20/22: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 11/18/22.

1. CHANGED FAC 1 (ORW) MAG BRG FROM 43.95 TO 238.18

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by
JASON KRETSCHMER
Dec 21, 2022

