RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: ACOVE **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 421405.22N/0740154.59W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	DELANCEY	DNY	VOR/DME	L	095.99	084.99	41.39	41.39		8000	17500
2	ALBANY	ALB	VORTAC	L	211.35	198.35	32.37	32.37		8000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ALB	VORTAC	R-211	33	18000	45000
DNY	VOR/DME	R-096	42	8000	17500

FIX RESTRICTIONS:
MRA V270 8000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE	ALB	VORTAC	031.35	211.35	R	1		8000	23000	10	21
2	NE		WP	031.20	211.20	R		10	17000	38000	17	27
3	NE	ALB	VORTAC	031.35	211.35	R		10	8000	17000	14	21

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	421618.30N/0740714.10W	4190	6C
2	265	AAO	421039.00N/0741351.00W	4262	4E
3	230	AAO	421039.00N/0741351.00W	4262	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:
DELANCEY (FAC 1) AND ALBANY (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITIOUS TERRAIN EVALUATION COMPLETED.
PAT 3: ATC REQUESTED 10 NM LEG LENGTH, MIN TEMPLATE 14 CHOSEN TO EMCOMPASS LEG LENGTH.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALBANY			KALB	ALBANY	NY (US)
EN ROUTE	J6	2	1			(US)
EN ROUTE	V213	1, 2	1			(US)
EN ROUTE	V270	1, 2				(US)
STAR	FLOSI (RNAV)		2	KEWR	NEWARK	NJ (US)
STAR	SHAFF	1, 2	3	KEWR	NEWARK	NJ (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16 **DATE OF REVISION:** 12/02/2021

REASON FOR REVISION:
1. FIX MAKE-UP FACILITIES: CHANGED FAC 1 (DNY) MRA FROM 6300 TO 8000.
2. ESV: CHANGED FAC 1 MIN ALTITUDE FROM 6000 TO 8000 AND MAX FROM 18000 TO 17500.
3. HOLDING: PAT 1: CHANGED LEG LENGTH FROM 1-1 1/2 TO 1.
4. FIX RESTRICTION: ADDED MRA ALTITUDE OF 8000 TO V270.
5. REQUIRED CHARTING: CHANGED CONTROLLER TO CONTROLLER HIGH AND CONTROLLER LOW.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A413 **NAME:** SCOTT BAGENSIE

APPROVED BY: **DATE:** 03/05/2021 **OFFICE:** AJV-A410 **NAME:** JULIE MORGAN

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: AGNEZ **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 421332.71N/0741118.75W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: 21-AEA-18 **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ALBANY	ALB	VORTAC	L	221.80	208.80	35.65	36.65		15000	17500
2	DELANCEY	DNY	VOR/DME	L	095.99	084.99		34.38		6300	17500

FIX RESTRICTIONS:
MRA V489 15000
MCA V489 15000 NORTHEAST BOUND
MCA V489 15000 SOUTHWEST BOUND

REMARKS:
CHART SECTIONAL ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALBANY			KALB	ALBANY	NY (US)
EN ROUTE	T299					(US)
EN ROUTE	V270	1, 2				(US)
EN ROUTE	V489	1, 2				(US)
IAP	RNAV (GPS) RWY 19			K4B0	SOUTH BETHLEHEM	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 09/08/2022

REASON FOR REVISION:
AIRSPACE DOCKET: ADD 21-AEA-18.
FIX TYPE: ADD WP.
REMARKS: ADD CHART SECTIONAL ATC REQUEST.
FIX USE: ADD T299.
REQUIRED CHARTING: ADD SECTIONAL.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** LEE STUCKEY

APPROVED BY: **DATE:** 09/08/2022 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: ALBANY VORTAC **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 424450.21N/0734811.46W **TYPE:**

AIRSPACE DOCKET: 21-AEA-18 **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ALBANY	ALB	VORTAC	L							17500

FIX RESTRICTIONS:
MCA V91 9700 SOUTHBOUND
MCA V489 13300 SOUTHWEST BOUND
MCA V44 6000 SOUTHBOUND
MCA V157 6000 SOUTHBOUND
MCA V123 6000 SOUTHBOUND

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	ALB	VORTAC	283.00	103.00	R	1		4000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	424330.00N/0740115.00W	821	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED
ALB MAGNETIC VARIATION W13/1980
CHART SECTIONAL ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANGOR			KBGR	BANGOR	ME (US)
DP	ALBANY			KALB	ALBANY	NY (US)
DP	BURLINGTON			KBTV	BURLINGTON	VT (US)
EN ROUTE	J190					(US)
EN ROUTE	J49					(US)
EN ROUTE	J563					(US)
EN ROUTE	J6					(US)
EN ROUTE	Q82					(US)
EN ROUTE	Q935					(US)
EN ROUTE	T291					(US)
EN ROUTE	T299					(US)
EN ROUTE	T300					(US)
EN ROUTE	T608					(US)
EN ROUTE	V123					(US)
EN ROUTE	V146					(US)
EN ROUTE	V157					(US)
EN ROUTE	V213					(US)
EN ROUTE	V44					(US)
EN ROUTE	V489					(US)
EN ROUTE	V91					(US)
IAP	ILS OR LOC RWY 1			KALB	ALBANY	NY (US)
IAP	ILS OR LOC RWY 19			KALB	ALBANY	NY (US)
IAP	ILS RWY 1 (SA CAT II)			KALB	ALBANY	NY (US)
IAP	VOR RWY 28		1	KALB	ALBANY	NY (US)
IAP	RNAV (GPS) RWY 5			5B2	SARATOGA SPRINGS	NY (US)
IAP	ILS OR LOC RWY 4		1	KSCH	SCHENECTADY	NY (US)
IAP	NDB RWY 22			KSCH	SCHENECTADY	NY (US)
IAP	RNAV (GPS) RWY 28			KSCH	SCHENECTADY	NY (US)
IAP	RNAV (GPS) RWY 4			KSCH	SCHENECTADY	NY (US)
STAR	BRIDGEPORT			KBDR	BRIDGEPORT	CT (US)
STAR	DENNA			KBDR	BRIDGEPORT	CT (US)
STAR	NOBBI			KDXR	DANBURY	CT (US)
STAR	VALRE			KDXR	DANBURY	CT (US)
STAR	STELA			KHFD	HARTFORD	CT (US)
STAR	BRIDGEPORT			KHVN	NEW HAVEN	CT (US)
STAR	DENNA			KHVN	NEW HAVEN	CT (US)
STAR	BRIDGEPORT			KOXC	OXFORD	CT (US)
STAR	DENNA			KOXC	OXFORD	CT (US)
STAR	STELA			KBDL	WINDSOR LOCKS	CT (US)
STAR	HYPER (RNAV)			KHEF	WASHINGTON	DC (US)
STAR	HYPER (RNAV)			KIAD	WASHINGTON	DC (US)
STAR	GARDNER			KBOS	BOSTON	MA (US)

INFORMATION ONLY

STAR	WIPOR (RNAV)	KEWB	NEW BEDFORD	MA (US)
STAR	STELA	KCEF	SPRINGFIELD/CHICOPEE	MA (US)
STAR	STELA	KBAF	WESTFIELD/SPRINGFIELD	MA (US)
STAR	STELA	KORH	WORCESTER	MA (US)
STAR	FLOSI (RNAV)	KEWR	NEWARK	NJ (US)
STAR	SHAFF	KEWR	NEWARK	NJ (US)
STAR	PAWLING	KFRG	FARMINGDALE	NY (US)
STAR	LOVES	KISP	NEW YORK	NY (US)
STAR	NELIE (RNAV)	KISP	NEW YORK	NY (US)
STAR	PAWLING	KJFK	NEW YORK	NY (US)
STAR	HAARP	KLGA	NEW YORK	NY (US)
STAR	NOBBI	KLGA	NEW YORK	NY (US)
STAR	NELIE (RNAV)	KFOK	WESTHAMPTON BEACH	NY (US)
STAR	NOBBI	KHPN	WHITE PLAINS	NY (US)
STAR	VALRE	KHPN	WHITE PLAINS	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)
STAR	HYPER (RNAV)	KCJR	CULPEPER	VA (US)
STAR	HYPER (RNAV)	KEZF	FREDERICKSBURG	VA (US)
STAR	HYPER (RNAV)	KFRR	FRONT ROYAL	VA (US)
STAR	HYPER (RNAV)	KJYO	LEESBURG	VA (US)
STAR	HYPER (RNAV)	KNYG	QUANTICO	VA (US)
STAR	HYPER (RNAV)	KRMN	STAFFORD	VA (US)
STAR	HYPER (RNAV)	KHWY	WARRENTON	VA (US)
STAR	HYPER (RNAV)	KOKV	WINCHESTER	VA (US)
STAR	HYPER (RNAV)	KMRB	MARTINSBURG	WV (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 24 **DATE OF REVISION:** 09/08/2022

REASON FOR REVISION:
AIRSPACE DOCKET: ADD 21-AEA-18.
REMARKS: ADD CHART SECTIONAL ATC REQUEST.
FIX USE: ADD T299.
REQUIRED CHARTING: ADD SECTIONAL.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** LEE STUCKEY

APPROVED BY: **DATE:** 09/08/2022 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: ATHOS **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 421449.49N/0734843.56W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	CHESTER	CTR	VOR/DME	L	279.34	266.34	38.52	38.52		3000	17500
2	PAWLING	PWL	VOR/DME	L	353.78	341.78	30.15	30.15		3100	17500
3	ALBANY	ALB	VORTAC	L	193.76	180.76	30.00	30.00		8000	45000
4	ROCKDALE	RKA	VOR/DME	L	112.22	101.22		64.83		11000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
RKA	VOR/DME	R-112	65	11000	17500
ALB	VORTAC	R-194	30	18000	45000

FIX RESTRICTIONS:
MCA V44 8000 NORTHBOUND
MCA V270 6000 WESTBOUND

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	ALB	VORTAC	193.76	193.76	L	1		8000	17500	10	18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	421112.00N/0733942.00W	1211	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC USE.

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:
CHESTER (FAC 1) AND PAWLING (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALBANY			KALB	ALBANY	NY (US)
EN ROUTE	J37	3				(US)
EN ROUTE	V123	1, 3				(US)
EN ROUTE	V157	1, 3				(US)
EN ROUTE	V270	1, 2				(US)
EN ROUTE	V44	1, 2, 3				(US)
IAP	RNAV (GPS) Y RWY 1			KALB	ALBANY	NY (US)
STAR	BRIDGEPORT	1, 3		KBDR	BRIDGEPORT	CT (US)
STAR	DENNA	1, 3		KBDR	BRIDGEPORT	CT (US)
STAR	VALRE	1, 3		KDXR	DANBURY	CT (US)
STAR	BRIDGEPORT	1, 3		KHVN	NEW HAVEN	CT (US)
STAR	DENNA	1, 3		KHVN	NEW HAVEN	CT (US)
STAR	BRIDGEPORT	1, 3		KOXC	OXFORD	CT (US)
STAR	DENNA	1, 3		KOXC	OXFORD	CT (US)
STAR	PAWLING	1, 3, 4		KFRG	FARMINGDALE	NY (US)
STAR	LOVES	1, 3		KISP	NEW YORK	NY (US)
STAR	PAWLING	1, 3, 4		KJFK	NEW YORK	NY (US)
STAR	VALRE	1, 3		KHPN	WHITE PLAINS	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14 **DATE OF REVISION:** 12/02/2021

REASON FOR REVISION:

INFORMATION ONLY

1. ESV: ADDED FAC 3 (ALB) INFORMATION.
2. RESTRICTIONS: ADDED MCA FOR V270 WESTBOUND.
3. HOLDING: CHANGED PAT 1 LEG LENGTH FROM 1-1/2 TO 1.
4: REMARKS: DELETED NOTES FOR RKA VOR/DME USE AND ALB ESV INFORMATION.
5. FIX USE: ADDED FAC 2 (PWL) TO V44, ADDED FAC 4 (RKA) TO PAWLING STAR AT KJFK/KFRG, ADDED DENNA/BRIDGEPORT STAR TO KOXC AND KHVN AIRPORTS.
6. REQUIRED CHARTING: ADDED CONTROLLER LOW AND CONTROLLER HIGH.

05/11/2021: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/23/2020.
1. FIX MAKE-UP FACILITIES: CHANGED FAC 4 (RKA) DIST FROM FAC FROM 64.84 TO 64.83.
2. ESV: CHANGED FAC 4 DIST FROM 66 TO 65.

INITIATED BY:	**DATE:**	**ORGANIZATION:**	**NAME:**
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A413	**NAME:** SCOTT BAGENSIE
APPROVED BY:	**DATE:** 03/05/2021	**OFFICE:** AJV-A410	**NAME:** JULIE MORGAN
	SIGNATURE:		

RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: BURLINGTON VOR/DME **STATE:** VT **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 442349.58N/0731057.49W **TYPE:**

AIRSPACE DOCKET: 20-AEA-10 **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	BURLINGTON	BTV	VOR/DME	L							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	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW	BTV	VOR/DME	216.00	036.00	L	1		2800	8000	8	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	AAO	441739.00N/0732527.00W	1365	4E
1	310	AAO	442115.00N/0730321.00W	1739	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 TERRAIN AVOIDANCE

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 33	KBTV	BURLINGTON	VT (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
265K PATTERN EVALUATED FOR MILITARY USE.
MAGVAR: 15W/2005.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANGOR			KBGR	BANGOR	ME (US)
DP	PORTLAND			KPWM	PORTLAND	ME (US)
DP	ALBANY			KALB	ALBANY	NY (US)
DP	BURLINGTON			KBTV	BURLINGTON	VT (US)
EN ROUTE	T315					(US)
EN ROUTE	T393					(US)
EN ROUTE	V487					(US)
IAP	ILS OR LOC RWY 35			KPBG	PLATTSBURGH	NY (US)
IAP	RNAV (GPS) RWY 17			KPBG	PLATTSBURGH	NY (US)
IAP	RNAV (GPS) RWY 35			KPBG	PLATTSBURGH	NY (US)
IAP	ILS OR LOC RWY 23			KSLK	SARANAC LAKE	NY (US)
IAP	ILS OR LOC RWY 17			KMPV	BARRE/MONTPELIER	VT (US)
IAP	RNAV (GPS) RWY 17			KMPV	BARRE/MONTPELIER	VT (US)
IAP	RNAV (GPS) RWY 35			KMPV	BARRE/MONTPELIER	VT (US)
IAP	ILS OR LOC RWY 15			KBTV	BURLINGTON	VT (US)
IAP	ILS OR LOC RWY 33		1	KBTV	BURLINGTON	VT (US)
IAP	VOR RWY 1			KBTV	BURLINGTON	VT (US)
IAP	RNAV (GPS) RWY 1			KFSO	HIGHGATE	VT (US)
IAP	VOR RWY 19			KFSO	HIGHGATE	VT (US)
IAP	ILS Y OR LOC Y RWY 19			KRUT	RUTLAND	VT (US)
IAP	ILS Z OR LOC Z RWY 19			KRUT	RUTLAND	VT (US)
IAP	RNAV (GPS) Y RWY 19			KRUT	RUTLAND	VT (US)
IAP	RNAV (GPS) Z RWY 19			KRUT	RUTLAND	VT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 25 **DATE OF REVISION:** 06/17/2021

REASON FOR REVISION:
AIRSPACE DOCKET: CHANGED 19-ANE-8 TO 20-AEA-10.
FIX RESTRICTIONS: REMOVED MCA V229.
FIX USE: ADDED T315 AND REMOVED V229.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** BARRY SMITH

INFORMATION ONLY

APPROVED BY: **DATE:** 06/17/2021 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: CANAN **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 422934.22N/0732648.07W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: 20-AEA-10 **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	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

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	V487	1, 2				(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, IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 06/17/2021

REASON FOR REVISION:
REMOVED FIX USE: ENROUTE V203.
CHANGED AIRSPACE DOCKET FROM 19-ANE-5 TO 20-AEA-10.
REMOVED NY FROM FIX USE ENROUTE V487.
REMOVED RQUIRED CHARTING: MILITARY IAP.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A422 **NAME:** JOSHUA DUGAN

APPROVED BY: **DATE:** 02/22/2021 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: CEDOR **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 424446.16N/0741830.14W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: 20-AEA-10 **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ALBANY	ALB	VORTAC	L	283.00	270.00	22.33	22.33		3600	17500
2	DELANCEY	DNY	VOR/DME	L	051.00	040.00	44.61	44.61		7000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DNY	VOR/DME	R-051	45	7000	17500

REMARKS:
ALBANY (FAC 1) AND DELANCEY (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)
IAP	RNAV (GPS) RWY 10			KSCH	SCHENECTADY	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 06/17/2021

REASON FOR REVISION:
1. ADDED AIRSPACE DOCKET: #20-AEA-10 - V14 SEGMENT CANCELLATION.
2. REMOVED V14 FROM FIX USE - NEC ACR.
3. CHANGED CONTROLLER TO CONTROLLER LOW IN REQUIRED CHARTING.
4. INCREASED MRA FOR FAC 2 FROM 3600 TO 7000 UPDATED MINIMUM ALTITUDE FOR ESV FROM 3600 TO 7000 - FLIGHT INSPECTION RESTRICTION.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A422 **NAME:** WILLIAM HANBY

APPROVED BY: **DATE:** 03/12/2021 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: DELANCEY VOR/DME **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 421041.81N/0745724.99W **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	DIST FROM FAC FEET	MRA	MAA
1	DELANCEY	DNY	VOR/DME	L							45000

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

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	265	200' AAO	420642.00N/0743618.00W	3659	4E

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 5000.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALBANY			KALB	ALBANY	NY (US)
EN ROUTE	V249					(US)
EN ROUTE	V270					(US)
EN ROUTE	V483					(US)
EN ROUTE	V576					(US)
IAP	ILS OR LOC RWY 15			KMSV	MONTICELLO	NY (US)
IAP	VOR RWY 25			N23	SIDNEY	NY (US)
STAR	BRIDGEPORT			KBDR	BRIDGEPORT	CT (US)
STAR	DENNA			KBDR	BRIDGEPORT	CT (US)
STAR	NOBBI			KDXR	DANBURY	CT (US)
STAR	VALRE			KDXR	DANBURY	CT (US)
STAR	BRIDGEPORT			KHVN	NEW HAVEN	CT (US)
STAR	DENNA			KHVN	NEW HAVEN	CT (US)
STAR	BRIDGEPORT			KOXC	OXFORD	CT (US)
STAR	DENNA			KOXC	OXFORD	CT (US)
STAR	SHAFF			KEWR	NEWARK	NJ (US)
STAR	KINGSTON			KFRG	FARMINGDALE	NY (US)
STAR	PAWLING			KFRG	FARMINGDALE	NY (US)
STAR	LOVES			KISP	ISLIP	NY (US)
STAR	KINGSTON			KJFK	NEW YORK	NY (US)
STAR	PAWLING			KJFK	NEW YORK	NY (US)
STAR	NOBBI			KLGA	NEW YORK	NY (US)
STAR	NOBBI			KHPN	WHITE PLAINS	NY (US)
STAR	VALRE			KHPN	WHITE PLAINS	NY (US)
STAR	SLATT			KPHL	PHILADELPHIA	PA (US)
STAR	SPUDS (RNAV)			KPHL	PHILADELPHIA	PA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 09/08/2022

REASON FOR REVISION:
UPDATED FIX USE: REMOVED ENROUTE T291.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** TOMMY BYRNS

APPROVED BY: **DATE:** 09/08/2022 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: GALWA **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 430034.00N/0740034.51W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: 20-AEA-10 **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	CAMBRIDGE	CAM	VOR/DME	L	286.00	272.00	29.32	29.32		4000	17500
2	ALBANY	ALB	VORTAC	L	343.00	330.00		18.17		6000	17500

REMARKS:
CAMBRIDGE (FAC 1) AND ALBANY (FAC 2) USED TO ESTABLISH FIX COORDINATES.
CHART ON SECTIONAL - ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALBANY			KALB	ALBANY	NY (US)
EN ROUTE	T316					(US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 08/12/2021

REASON FOR REVISION:
FIX USE: REMOVED KNY0 NDB RWY 10 AND KNY0 NDB RWY 28
REQUIRED CHARTING: REMOVED IAP

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A421 **NAME:** HENRY BRADSHAW

APPROVED BY: **DATE:** 05/19/2021 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: GARDNER VOR/DME **STATE:** MA **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 423245.32N/0720329.48W **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	DIST FROM FAC FEET	MRA	MAA
1	GARDNER	GDM	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	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	GDM	VOR/DME	298.00	118.00	L	1		4000	17500	4	16
2	W	GDM	VOR/DME	276.81	096.81	R	1		3000	6000	4	13
3	NW	GDM	VOR/DME	293.78	113.78	L	1		7000	17500	8	16
4	SW		WP	202.91	022.91	R		4	3000	6000	5	6
5	E	GDM	VOR/DME	112.13	292.13	R	1		3500	6000	4	13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	423245.00N/0721018.00W	1595	4E
2	200	AAO	423245.00N/0721018.00W	1595	4E
2	310	AAO	422921.00N/0715312.00W	2215	4E
3	230	AAO	423245.00N/0721018.00W	1595	4E
4	200	AAO	423057.00N/0720248.00W	1569	4E
5	200	AAO	422930.03N/0715323.30W	2130	2C
5	310	AAO	422921.15N/0715311.99W	2200	2C

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST
PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN(S).
ATC REQUESTS RETENTION AND CHARTING OF HOLDING PATTERN 1.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	VOR-A	KGDM	GARDNER	MA (US)
5	VOR-A	KORE	ORANGE	MA (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
FACILITY MAGVAR: W14/1970.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRADLEY			KBDL	WINDSOR LOCKS	CT (US)
DP	TAKEOFF MINIMUMS			KAFN	JAFFREY	NH (US)
DP	MANCHESTER			KMHT	MANCHESTER	NH (US)
DP	PEASE			KPSM	PORTSMOUTH	NH (US)
DP	TANKER			KPSM	PORTSMOUTH	NH (US)
DP	ALBANY			KALB	ALBANY	NY (US)
EN ROUTE	Q935					(US)
EN ROUTE	T314					(US)
EN ROUTE	T315					(US)
EN ROUTE	T393					(US)
EN ROUTE	T608					(US)
EN ROUTE	V431					(US)
IAP	ILS OR LOC RWY 11			KBED	BEDFORD	MA (US)
IAP	ILS OR LOC RWY 29			KBED	BEDFORD	MA (US)
IAP	ILS OR LOC RWY 15R			KBOS	BOSTON	MA (US)
IAP	ILS OR LOC RWY 27			KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) RWY 15R			KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) RWY 14			KFIT	FITCHBURG	MA (US)
IAP	VOR-A		2	KGDM	GARDNER	MA (US)
IAP	LOC RWY 35			KOWD	NORWOOD	MA (US)
IAP	VOR-A		5	KORE	ORANGE	MA (US)
IAP	RNAV (GPS) RWY 21			6B6	STOW	MA (US)
IAP	ILS OR LOC RWY 20			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
IAP	ILS OR LOC RWY 11			KORH	WORCESTER	MA (US)
IAP	ILS OR LOC RWY 29			KORH	WORCESTER	MA (US)
IAP	ILS RWY 11 (CAT II & III)			KORH	WORCESTER	MA (US)
IAP	RNAV (GPS) RWY 33			KORH	WORCESTER	MA (US)
IAP	VOR/DME RWY 33			KORH	WORCESTER	MA (US)
IAP	RNAV (GPS)- B		4	KAFN	JAFFREY	NH (US)
IAP	VOR-A			KAFN	JAFFREY	NH (US)

INFORMATION ONLY

IAP	ILS OR LOC RWY 2		KEEN	KEENE	NH (US)
IAP	RNAV (GPS) RWY 2		KEEN	KEENE	NH (US)
IAP	ILS OR LOC RWY 6		KMHT	MANCHESTER	NH (US)
OTHER	ATC COORDINATION FIX	1			(US)
STAR	GRAYM		KBED	BEDFORD	MA (US)
STAR	GRAYM		KBVY	BEVERLY	MA (US)
STAR	GARDNER	3	KBOS	BOSTON	MA (US)
STAR	GRAYM		KFIT	FITCHBURG	MA (US)
STAR	GRAYM		KLWM	LAWRENCE	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 35 **DATE OF REVISION:** 03/24/2022

REASON FOR REVISION:
1. UPDATED HOLDING PATTERN 2 MAX TEMPLATE FROM 5 TO 13.
2. UPDATED HOLDING PATTERN 5 MAX TEMPLATE FROM 5 TO 13.
3. DELETED AIRSPACE DOCKET NUMBER: 20-AEA-10.
4. MOVED "ATC REQUESTS RETENTION AND CHARTING OF HOLDING PATTERN 1" FROM REMARKS TO HOLDING RESTRICTIONS.
5. UPDATED FIX USE: DELETED RNAV (GPS) RWY 20 AT KFIT, VOR/DME-B AT K3B0, VOR RWY 2 AT KEEN, AND RNAV (GPS) RWY 32 AT KASH.
6. UPDATED FIX USE FOR VOR-A AT KORE: ADDED PATTERN NUMBER 5 AND ADDED TO PROCEDURES REQUIRING CLIMB-IN-HOLD.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** FRANK JACKSON

APPROVED BY: **DATE:** 10/27/2021 **OFFICE:** AJV-A430 **NAME:** LONNIE EVERHART

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: JEFFF **STATE:** NJ **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 411446.38N/0742743.29W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SPARTA	SAX	VORTAC	H	028.86	017.86	11.26	11.26		18000	45000
2	HUGUENOT	HUO	VOR/DME	H	160.10	149.10	11.42	11.42		18000	45000

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALBANY			KALB	ALBANY	NY (US)
EN ROUTE	J6	1, 2				(US)
EN ROUTE	Q480					(US)

REQUIRED CHARTING: EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 12/10/2015

REASON FOR REVISION:
ADDED ALBANY DEPARTURE TO FIX USE.

INITIATED BY:	**DATE:**	**ORGANIZATION:**	**NAME:**
DEVELOPED BY:	**DATE:** 04/27/2015	**OFFICE:** AJV-352	**NAME:** LIAM DONAHUE
APPROVED BY:	**DATE:** 10/16/2015	**OFFICE:** AJV-352	**NAME:** ADOLFO URRUTIA
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: KINGSTON VOR/DME **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 413955.63N/0734920.06W **TYPE:**

AIRSPACE DOCKET: 22-ASO-9 **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	KINGSTON	IGN	VOR/DME	L							45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	IGN	VOR/DME	012.75	192.75	R	1		3100	17500	4	16
2	NE	IGN	VOR/DME	037.00	217.00	R	1		3000	8000	4	8
3	W	IGN	VOR/DME	249.00	069.00	L	1		3000	8000	4	8
4	NW	IGN	VOR/DME	302.09	122.09	R	1 1/2		18000	45000	16	29
5	NE		WP	037.00	217.00	R		4	3000	6000	5	6
6	N	IGN	VOR/DME	012.74	192.74	R		10	5000	17500	15	15

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	414412.00N/0734445.00W	1070	4E
2	200	AAO	414230.00N/0734245.00W	1309	4E
2	310	TOWER (36-000979)	414307.49N/0735945.41W	1999	1A
3	200	AAO	413836.00N/0740121.00W	1309	4E
5	200	AAO	414230.00N/0734245.00W	1309	4E
5	310	TOWER (36-000979)	414307.49N/0735945.41W	1999	1A
6	200	TOWER (36-000979)	414307.49N/0735945.41W	1999	1A

REASON FOR NONSTANDARD HOLDING:
PAT 3 AIR TRAFFIC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	ILS OR LOC RWY 6	KPOU	POUGHKEEPSIE	NY (US)
2	VOR-A	KPOU	POUGHKEEPSIE	NY (US)
5	RNAV (GPS) RWY 6	KPOU	POUGHKEEPSIE	NY (US)

REMARKS:
FACILITY MAG VAR: 12W.
PRECIPITOUS TERRAIN EVALUATION COMPLETE.
FIX MAKEUP FACILITY FAC 1 IGN VOR/DME MAA INCREASED TO 45000; THERE IS AN APPROVED ESV IGN R-302/10/180/450.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MORRISTOWN			KMMU	MORRISTOWN	NJ (US)
DP	LIBERTY			KEWR	NEWARK	NJ (US)
DP	NEWARK			KEWR	NEWARK	NJ (US)
DP	TETERBORO			KTEB	TETERBORO	NJ (US)
DP	ALBANY			KALB	ALBANY	NY (US)
DP	T/O MINS AND OBSTACLE DP			44N	MILLBROOK	NY (US)
DP	STEWART			KSWF	NEW YORK	NY (US)
DP	DUTCHESS			KPOU	POUGHKEEPSIE	NY (US)
DP	T/O MINS AND OBSTACLE DP			KPOU	POUGHKEEPSIE	NY (US)
EN ROUTE	Q480					(US)
EN ROUTE	T216					(US)
EN ROUTE	V157		1			(US)
EN ROUTE	V167					(US)
EN ROUTE	V483					(US)
EN ROUTE	V93					(US)
IAP	LOC RWY 8		6	KDXR	DANBURY	CT (US)
IAP	COPTER ILS OR LOC RWY 6			KTEB	TETERBORO	NJ (US)
IAP	ILS OR LOC RWY 6			KTEB	TETERBORO	NJ (US)
IAP	VOR/DME RWY 6			KTEB	TETERBORO	NJ (US)
IAP	VOR/DME-B			KTEB	TETERBORO	NJ (US)
IAP	RNAV (GPS) RWY 22			N89	ELLENVILLE	NY (US)
IAP	RNAV (GPS) RWY 26			06N	MIDDLETOWN	NY (US)
IAP	VOR-A		3	44N	MILLBROOK	NY (US)
IAP	ILS OR LOC RWY 4			KMGJ	MONTGOMERY	NY (US)
IAP	ILS OR LOC RWY 27		2	KSWF	NEW YORK	NY (US)
IAP	ILS OR LOC RWY 9		2	KSWF	NEW YORK	NY (US)
IAP	ILS RWY 9 (CAT II & CAT III)		2	KSWF	NEW YORK	NY (US)
IAP	ILS RWY 9 (SA CAT I)		2	KSWF	NEW YORK	NY (US)
IAP	ILS OR LOC RWY 6		2	KPOU	POUGHKEEPSIE	NY (US)

INFORMATION ONLY

IAP	RNAV (GPS) RWY 6	5	KPOU	POUGHKEEPSIE	NY (US)
IAP	VOR RWY 24		KPOU	POUGHKEEPSIE	NY (US)
IAP	VOR-A	2	KPOU	POUGHKEEPSIE	NY (US)
IAP	ILS OR LOC RWY 16		KHPN	WHITE PLAINS	NY (US)
IAP	ILS OR LOC RWY 34		KHPN	WHITE PLAINS	NY (US)
IAP	ILS RWY 16 (SA CAT I & II)		KHPN	WHITE PLAINS	NY (US)
STAR	BRIDGEPORT		KBDR	BRIDGEPORT	CT (US)
STAR	NOBBI		KDXR	DANBURY	CT (US)
STAR	VALRE	6	KDXR	DANBURY	CT (US)
STAR	BRIDGEPORT		KHVN	NEW HAVEN	CT (US)
STAR	BRIDGEPORT		KOXC	OXFORD	CT (US)
STAR	FLOSI (RNAV)		KEWR	NEWARK	NJ (US)
STAR	SHAFF		KEWR	NEWARK	NJ (US)
STAR	KINGSTON	4	KFRG	FARMINGDALE	NY (US)
STAR	KINGSTON	4	KJFK	NEW YORK	NY (US)
STAR	HAARP		KLGA	NEW YORK	NY (US)
STAR	NOBBI		KLGA	NEW YORK	NY (US)
STAR	HUDSON		KSWF	NEW YORK	NY (US)
STAR	HUDSON		KPOU	POUGHKEEPSIE	NY (US)
STAR	NOBBI		KHPN	WHITE PLAINS	NY (US)
STAR	VALRE	6	KHPN	WHITE PLAINS	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 31 **DATE OF REVISION:** 04/20/2023

REASON FOR REVISION:
1. AIRSPACE DOCKET: ADDED 22-ASO-9.
2. REMOVED ESV IGN VOR/DME DATA.
3. DELETED HOLDING PAT 5 AND ALL ASSOCIATED DATA.
4. ADDED PAT 4 MIN TEMPLATE 16 AND CHANGED LEG TIME FROM 1 TO 1 1/2.
5. CHANGED PAT 2, 5, 6 CONTROLLING OBSTRUCTION ELEVATION FROM 2000 TOWER (36-000979) TO 1999 TOWER (36-000979).
6. CHANGED FIX USE EN ROUTE T216 STATE FROM NY (US) TO (US).
7. ADDED FIX USE PAT 4 TO STAR KINGSTON AT KFRG, AND PAT 6 TO STAR VALRE AT KDXR,
8. DELETED FIX USE V58, J37.
9. CHANGED FIX USE KSWF CITY FROM NEWBURGH TO NEW YORK ON ALL KSWF PROCEDURES.
10. CHANGED FIX MAKEUP FACILITY IGN VOR/DME MAA FROM 17500 TO 45000.
11. ADDED REMARK: FIX MAKEUP FACILITY FAC 1 IGN VOR/DME MAA INCREASED TO 45000. THERE IS AN APPROVED ESV IGN R-302/10/180/450.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** MICHAEL MCCARTNEY

APPROVED BY: **DATE:** 04/20/2023 **OFFICE:** AJV-A431 **NAME:** ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: NELIE **STATE:** CT **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 415627.64N/0724118.88W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: 19-ASO-18 **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	BOSTON	BOS	VOR/DME	H	268.34	252.34	79.84	79.84		18000	45000
2	HAMPTON	HTO	VORTAC	H	357.81	344.81		63.55		18000	45000

REMARKS:
BOSTON (FAC 1) AND HAMPTON (FAC 2) USED TO ESTABLISH FIX COORDINATES.

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	BLZZR (RNAV)			KBOS	BOSTON	MA (US)
DP	LOGAN			KBOS	BOSTON	MA (US)
DP	PATSS (RNAV)			KBOS	BOSTON	MA (US)
DP	REVSS (RNAV)			KBOS	BOSTON	MA (US)
DP	WYLYY (RNAV)			KBOS	BOSTON	MA (US)
DP	LAWRENCE			KLWM	LAWRENCE	MA (US)
DP	NUBLE (RNAV)			KPWM	PORTLAND	ME (US)
DP	PPORT (RNAV)			KMHT	MANCHESTER	NH (US)
DP	ALBANY			KALB	ALBANY	NY (US)
EN ROUTE	Q75					(US)
EN ROUTE	T212					(US)
EN ROUTE	T255					(US)
EN ROUTE	T300					(US)
STAR	WIPOR (RNAV)			KEWB	NEW BEDFORD	MA (US)
STAR	FLOSI (RNAV)			KEWR	NEWARK	NJ (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: DP, STAR, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 07/16/2020

REASON FOR REVISION:
AMENDED AIRSPACE DOCKET FROM "19-AEA-9" TO "19-ASO-18".
DELETED "J75" 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:

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

RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: PAWLING VOR/DME **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 414611.18N/0733601.99W **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	DIST FROM FAC FEET	MRA	MAA
1	PAWLING	PWL	VOR/DME	L							17500

FIX RESTRICTIONS:
MCA V433 5700 NORTHWEST 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	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S	PWL	VOR/DME	174.00	354.00	R	1		3000	8000	4	8
2	SE		WP	129.34	309.34	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	414236.00N/0733106.00W	1677	4E
2	200	AAO	414354.00N/0733121.00W	1646	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
FACILITY MAGNETIC VARIATION W12/1970

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRADLEY			KBDL	WINDSOR LOCKS	CT (US)
DP	ALBANY			KALB	ALBANY	NY (US)
DP	TAKEOFF MINIMUMS			20N	KINGSTON	NY (US)
DP	STEWART			KSWF	NEWBURGH	NY (US)
DP	DUTCHESS			KPOU	POUGHKEEPSIE	NY (US)
EN ROUTE	V34					(US)
EN ROUTE	V405					(US)
EN ROUTE	V433					(US)
EN ROUTE	V44					(US)
EN ROUTE	V93					(US)
IAP	RNAV (GPS) RWY 18			KOXC	OXFORD	CT (US)
IAP	RNAV (GPS)-B			KGBR	GREAT BARRINGTON	MA (US)
IAP	LOC RWY 26			KPSF	PITTSFIELD	MA (US)
IAP	RNAV (GPS) RWY 33		2	20N	KINGSTON	NY (US)
IAP	RNAV (GPS) RWY 27			KSWF	NEWBURGH	NY (US)
IAP	ILS OR LOC RWY 6		1	KPOU	POUGHKEEPSIE	NY (US)
IAP	VOR RWY 24			KPOU	POUGHKEEPSIE	NY (US)
IAP	VOR-A			KPOU	POUGHKEEPSIE	NY (US)
STAR	BRIDEPORT			KBDR	BRIDGEPORT	CT (US)
STAR	DENNA			KBDR	BRIDGEPORT	CT (US)
STAR	NOBBI			KDXR	DANBURY	CT (US)
STAR	VALRE			KDXR	DANBURY	CT (US)
STAR	STELA			KHFD	HARTFORD	CT (US)
STAR	BRIDGEPORT			KHVN	NEW HAVEN	CT (US)
STAR	DENNA			KHVN	NEW HAVEN	CT (US)
STAR	BRIDGEPORT			KOXC	OXFORD	CT (US)
STAR	DENNA			KOXC	OXFORD	CT (US)
STAR	STELA			KBDL	WINDSOR LOCKS	CT (US)
STAR	STELA			KCEF	SPRINGFIELD/CHICOPEE	MA (US)
STAR	STELA			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
STAR	STELA			KORH	WORCESTER	MA (US)
STAR	SHAFF			KEWR	NEWARK	NJ (US)
STAR	PAWLING			KFRG	FARMINGDALE	NY (US)
STAR	LOVES			KISP	NEW YORK	NY (US)
STAR	PAWLING			KJFK	NEW YORK	NY (US)
STAR	HAARP			KLGA	NEW YORK	NY (US)
STAR	NOBBI			KLGA	NEW YORK	NY (US)
STAR	HUDSON		1	KSWF	NEW YORK	NY (US)
STAR	HUDSON		1	KPOU	POUGHKEEPSIE	NY (US)
STAR	NOBBI			KHPN	WHITE PLAINS	NY (US)
STAR	VALRE			KHPN	WHITE PLAINS	NY (US)

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

INFORMATION ONLY

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17 **DATE OF REVISION:** 12/02/2021

REASON FOR REVISION:
1. FIX RESTRICTIONS: ADDED MCA FLAG FOR V433 5700 NW.

INITIATED BY:	**DATE:**	**ORGANIZATION:**	**NAME:**
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A413	**NAME:** SCOTT BAGENSIE
APPROVED BY:	**DATE:** 09/24/2021	**OFFICE:** AJV-A410	**NAME:** JULIE MORGAN
	SIGNATURE:		

RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: SPARTA VORTAC **STATE:** NJ **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 410403.15N/0743217.91W **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	DIST FROM FAC FEET	MRA	MAA
1	SPARTA	SAX	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE	SAX	VORTAC	119.00	299.00	R	1		3000	17500	4	16
2	SE	SAX	VORTAC	155.00	335.00	R	1		3000	14000	4	10
3	SE	SAX	VORTAC	144.00	324.00	R	1		3000	8000	4	8
4	W	SAX	VORTAC	285.00	105.00	R	1 1/2		18000	41000	16	28
5	W	SAX	VORTAC	259.00	079.00	L	1		3000	8000	4	8
6	W		WP	259.00	079.00	L		4	3000	8000	5	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	410842.00N/0743115.00W	1647	4E
2	200	AAO	410842.00N/0743115.00W	1647	4E
3	200	AAO	410842.00N/0743115.00W	1647	4E
5	200	AAO	410842.00N/0743115.00W	1647	4E
6	200	AAO	410854.00N/0743051.00W	1683	4E

REASON FOR NONSTANDARD HOLDING:
PAT 5 ATC REQUEST.
PAT 6 ATC REQUEST.

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:
MAGVAR: 11W
HOLDING PAT 1 AND PAT 4 FOR ATC USE.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

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			KMMU	MORRISTOWN	NJ (US)
DP	LIBERTY			KEWR	NEWARK	NJ (US)
DP	NEWARK			KEWR	NEWARK	NJ (US)
DP	T/O MINS AND OBSTACLE DP			KFWN	SUSSEX	NJ (US)
DP	RUUDY			KTEB	TETERBORO	NJ (US)
DP	TETERBORO			KTEB	TETERBORO	NJ (US)
DP	ALBANY			KALB	ALBANY	NY (US)
DP	KINGSTON			KFRG	FARMINGDALE	NY (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	GLDMN (RNAV)			KLGA	NEW YORK	NY (US)
DP	LA GUARDIA			KLGA	NEW YORK	NY (US)
DP	TNNIS			KLGA	NEW YORK	NY (US)
DP	PROP			KHPN	WHITE PLAINS	NY (US)
DP	WESTCHESTER			KHPN	WHITE PLAINS	NY (US)
EN ROUTE	J6					(US)
EN ROUTE	J60					(US)
EN ROUTE	T218					(US)
EN ROUTE	V116					(US)
EN ROUTE	V188					(US)
EN ROUTE	V213					(US)
EN ROUTE	V249					(US)
EN ROUTE	V39					(US)
EN ROUTE	V623					(US)
IAP	RNAV (GPS) RWY 3			12N	ANDOVER	NJ (US)
IAP	RNAV (GPS) RWY 25			1N7	BLAIRSTOWN	NJ (US)
IAP	LOC RWY 22		5	KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 04			KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 10			KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 1		6	N07	LINCOLN PARK	NJ (US)
IAP	RNAV (GPS) RWY 19			N07	LINCOLN PARK	NJ (US)
IAP	ILS OR LOC RWY 23			KMMU	MORRISTOWN	NJ (US)

INFORMATION ONLY

IAP	ILS OR LOC RWY 4L		KEWR	NEWARK	NJ (US)
IAP	ILS OR LOC RWY 4R		KEWR	NEWARK	NJ (US)
IAP	ILS RWY 4L (SA CAT I & II)		KEWR	NEWARK	NJ (US)
IAP	ILS RWY 4R (CAT II & III)		KEWR	NEWARK	NJ (US)
IAP	VOR RWY 11	3	KEWR	NEWARK	NJ (US)
IAP	RNAV (GPS) RWY 3	6	KFWN	SUSSEX	NJ (US)
IAP	VOR -A	2	KFWN	SUSSEX	NJ (US)
IAP	ILS OR LOC RWY 19		KTEB	TETERBORO	NJ (US)
IAP	VOR/DME-B		KTEB	TETERBORO	NJ (US)
IAP	RNAV (GPS) RWY 8		06N	MIDDLETOWN	NY (US)
IAP	ILS OR LOC RWY 4		KMGJ	MONTGOMERY	NY (US)
IAP	RNAV (GPS) RWY 4		KMGJ	MONTGOMERY	NY (US)
IAP	VOR RWY 8		KMGJ	MONTGOMERY	NY (US)
IAP	ILS OR LOC RWY 9		KSWF	NEWBURGH	NY (US)
IAP	ILS RWY 9 (CAT II & III)		KSWF	NEWBURGH	NY (US)
IAP	ILS RWY 9 (SA CAT I)		KSWF	NEWBURGH	NY (US)
IAP	RNAV (GPS) RWY 34		KSWF	NEWBURGH	NY (US)
IAP	ILS OR LOC RWY 16		KHPN	WHITE PLAINS	NY (US)
IAP	ILS OR LOC RWY 34		KHPN	WHITE PLAINS	NY (US)
IAP	RNAV (GPS) Y RWY 16		KHPN	WHITE PLAINS	NY (US)
STAR	WILKES-BARRE		KCDW	CALDWELL	NJ (US)
STAR	WILKES-BARRE		KLDJ	LINDEN	NJ (US)
STAR	WILKES-BARRE		KMMU	MORRISTOWN	NJ (US)
STAR	FLOSI (RNAV)		KEWR	NEWARK	NJ (US)
STAR	SHAFF		KEWR	NEWARK	NJ (US)
STAR	WILKES-BARRE		39N	PRINCETON/ROCKY HILL	NJ (US)
STAR	WILKES-BARRE		N51	READINGTON	NJ (US)
STAR	WILKES-BARRE		KSMQ	SOMERVILLE	NJ (US)
STAR	WILKES-BARRE		KTEB	TETERBORO	NJ (US)
STAR	KINGSTON		KFRG	FARMINGDALE	NY (US)
STAR	KINGSTON		KJFK	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19 **DATE OF REVISION:** 09/09/2021

REASON FOR REVISION:
HOLDING PATTERNS: PATTERN 1 LEG LENGTH TIME CHANGED FROM "1-1 1/2" TO "1".
REQUIRED CHARTING: ADDED CONTROLLER LOW AND CONTROLLER HIGH.
CORRECTED FIX COORDINATES FROM "410403.16N/0743217.93W" TO "410403.15N/0743217.91" TO MATCH AIRNAV DATA.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A421 **NAME:** HENRY BRADSHAW

APPROVED BY: **DATE:** 06/24/2021 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: SYRACUSE VORTAC **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 430937.87N/0761216.41W **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	FAC FEET	MRA	MAA
1	SYRACUSE	SYR	VORTAC	H							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	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	SYR	VORTAC	311.30	131.30	R	1		2000	10000	5	9
2	NW	SYR	VORTAC	294.00	114.00	L	1		3000	10000	6	13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (36-001250)	431250.58N/0762345.65W	955	1A
2	230	TOWER (36-001250)	431250.58N/0762345.65W	955	1A
2	310	AAO	430418.00N/0762230.00W	1021	4E

REASON FOR NONSTANDARD HOLDING:
PAT 2 AIR TRAFFIC REQUEST AND NOISE ABATEMENT

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	ILS RWY 28 (CAT II)	KSYR	SYRACUSE	NY (US)
2	ILS RWY 28 (SA CAT I)	KSYR	SYRACUSE	NY (US)
2	ILS OR LOC RWY 28	KSYR	SYRACUSE	NY (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 AND 2 EVALUATED AT 230 KIAS TO SUPPORT MILITARY OPERATIONS.
ASSIGNED FACILITY MAGVAR: 11W (1980).

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	LAWRENCE			KLWM	LAWRENCE	MA (US)
DP	NORWOOD			KOWD	NORWOOD	MA (US)
DP	BANGOR			KBGR	BANGOR	ME (US)
DP	HSKEL (RNAV)			KPWM	PORTLAND	ME (US)
DP	PORTLAND			KPWM	PORTLAND	ME (US)
DP	ALBANY			KALB	ALBANY	NY (US)
DP	BUFFALO			KBUF	BUFFALO	NY (US)
DP	XEROX			KROC	ROCHESTER	NY (US)
DP	SYRACUSE			KSYR	SYRACUSE	NY (US)
DP	BURLINGTON			KBTV	BURLINGTON	VT (US)
EN ROUTE	J59					(US)
EN ROUTE	Q812					(US)
EN ROUTE	Q844					(US)
EN ROUTE	T391					(US)
EN ROUTE	T608					(US)
EN ROUTE	T634					(US)
EN ROUTE	V153					(US)
EN ROUTE	V29					(US)
EN ROUTE	V35					(US)
EN ROUTE	V423					(US)
EN ROUTE	V483					(US)
EN ROUTE	V84					(US)
IAP	ILS OR LOC RWY 5			KBUF	BUFFALO	NY (US)
IAP	ILS OR LOC RWY 33			KFZY	FULTON	NY (US)
IAP	RNAV (GPS) RWY 15			KRME	ROME	NY (US)
IAP	VOR/DME RWY 15			KRME	ROME	NY (US)
IAP	ILS OR LOC RWY 10			KSYR	SYRACUSE	NY (US)
IAP	ILS OR LOC RWY 28		2	KSYR	SYRACUSE	NY (US)
IAP	ILS RWY 28 (CAT II)		2	KSYR	SYRACUSE	NY (US)
IAP	ILS RWY 28 (SA CAT I)		2	KSYR	SYRACUSE	NY (US)
IAP	RNAV (RNP) Y RWY 28			KSYR	SYRACUSE	NY (US)
IAP	TACAN RWY 33			KSYR	SYRACUSE	NY (US)
IAP	VOR RWY 15		1	KSYR	SYRACUSE	NY (US)
IAP	ILS OR LOC RWY 7			KART	WATERTOWN	NY (US)
IAP	VOR RWY 7			KART	WATERTOWN	NY (US)

INFORMATION ONLY

STAR	STELA	KHFD	HARTFORD	CT (US)
STAR	STELA	KBDL	WINDSOR LOCKS	CT (US)
STAR	STELA	KCEF	SPRINGFIELD/CHICOPEE	MA (US)
STAR	STELA	KBAF	WESTFIELD/SPRINGFIELD	MA (US)
STAR	STELA	KORH	WORCESTER	MA (US)
STAR	SHAFF	KEWR	NEWARK	NJ (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: 21 **DATE OF REVISION:** 12/02/2021

REASON FOR REVISION:
1. REMOVED AIRSPACE DOCKET NUMBER 20-AEA-10.
2. FIX USE: REMOVED VOR OR GPS-A AT 6B9.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** TARA MARTINELLI

APPROVED BY: **DATE:** 12/02/2021 **OFFICE:** AJV-A430 **NAME:** LONNIE EVERHART

SIGNATURE: