

RADIO FIX AND HOLDING DATA RECORD

NAME: BARRETTS MOUNTAIN VOR/DME STATE: NC COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 355207.87N/0811425.90W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	BARRETTS MOUNTAIN	BZM	VOR/DME	H						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	NE	BZM	VOR/DME	064.00	244.00	R	1-1 1/2	4000 17500	4 16
2	N	BZM	VOR/DME	003.00	183.00	L	1	4000 17500	4 16
3	N		WP	003.00	183.00	L	5	4100 17500	6 17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	355300.00N/0811609.00W	2087	4E
1	310	AAO	360248.00N/0810924.00W	2842	4E
2	200	AAO	360154.00N/0811257.00W	2602	4E
3	200	AAO	360018.00N/0811842.00W	2664	4E
3	310	AAO	360248.00N/0810924.00W	2842	4E

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST
 PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 MAG VAR W06/1990

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KERMIT			KVUJ	ALBEMARLE	NC (US)
DP	ASHEVILLE			KAVL	ASHEVILLE	NC (US)
DP	KERMIT			KCLT	CHARLOTTE	NC (US)
DP	KERMIT			KJQF	CONCORD	NC (US)
DP	KERMIT			KAKH	GASTONIA	NC (US)
DP	TRIAD			KGSO	GREENSBORO	NC (US)
DP	HICKORY			KHKY	HICKORY	NC (US)
DP	KERMIT			KIPJ	LINCOLNTON	NC (US)
DP	KERMIT			KEQY	MONROE	NC (US)
DP	KERMIT			KRUQ	SALISBURY	NC (US)
DP	TRIAD			KINT	WINSTON-SALEM	NC (US)
DP	KERMIT			KLKR	LANCASTER	SC (US)
DP	KERMIT			KUZA	ROCK HILL	SC (US)
DP	KINGS			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
EN ROUTE	V133					(US)
EN ROUTE	V20					(US)
EN ROUTE	V259					(US)
IAP	ILS OR LOC RWY 18R			KCLT	CHARLOTTE	NC (US)
IAP	ILS OR LOC RWY 36C			KCLT	CHARLOTTE	NC (US)
IAP	ILS OR LOC RWY 36L			KCLT	CHARLOTTE	NC (US)
IAP	ILS RWY 18R (CAT II-III)			KCLT	CHARLOTTE	NC (US)
IAP	ILS RWY 18R (SA CAT I)			KCLT	CHARLOTTE	NC (US)
IAP	ILS RWY 36C (CAT II- III)			KCLT	CHARLOTTE	NC (US)
IAP	ILS RWY 36L (CAT II-III)			KCLT	CHARLOTTE	NC (US)
IAP	ILS RWY 36L (SA CAT I)			KCLT	CHARLOTTE	NC (US)
IAP	ILS OR LOC RWY 20		2	KJQF	CONCORD	NC (US)
IAP	ILS OR LOC RWY 24		2	KHKY	HICKORY	NC (US)
IAP	RNAV (GPS) RWY 6		3	KHKY	HICKORY	NC (US)
IAP	VOR RWY 24		1	KHKY	HICKORY	NC (US)
IAP	LOC RWY 28			KGEV	JEFFERSON	NC (US)
IAP	ILS OR LOC RWY 6			KEXX	LEXINGTON	NC (US)
IAP	ILS Z OR LOC Z RWY 23			KIPJ	LINCOLNTON	NC (US)
IAP	RNAV (GPS) RWY 9			8A7	MOCKSVILLE	NC (US)
IAP	LOC RWY 3			KMRN	MORGANTON	NC (US)
IAP	RNAV (GPS) RWY 3			KMRN	MORGANTON	NC (US)
IAP	ILS Y OR LOC Y RWY 1			KUKF	NORTH WILKESBORO	NC (US)
IAP	ILS Z OR LOC Z RWY 01			KUKF	NORTH WILKESBORO	NC (US)
IAP	ILS OR LOC RWY 20			KRUQ	SALISBURY	NC (US)
IAP	NDB RWY 20			KRUQ	SALISBURY	NC (US)
IAP	ILS Y OR LOC Y RWY 28			KSVH	STATESVILLE	NC (US)

IAP	ILS Z OR LOC Z RWY 28	KSVH	STATESVILLE	NC (US)
IAP	RNAV (GPS) RWY 10	KSVH	STATESVILLE	NC (US)
IAP	ILS OR LOC RWY 33	KINT	WINSTON-SALEM	NC (US)
STAR	BTSEY	KCLT	CHARLOTTE	NC (US)
STAR	LIINN	KCLT	CHARLOTTE	NC (US)
STAR	LIINN	KAKH	GASTONIA	NC (US)
STAR	LIINN	KIPJ	LINCOLNTON	NC (US)
STAR	LIINN	KEQY	MONROE	NC (US)
STAR	LIINN	KEHO	SHELBY	NC (US)
STAR	LIINN	KAFF	WADESBORO	NC (US)
STAR	LIINN	N52	WAXHAW	NC (US)
STAR	LIINN	KDCM	CHESTER	SC (US)
STAR	LIINN	KLKR	LANCASTER	SC (US)
STAR	LIINN	KUZA	ROCK HILL	SC (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 22

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

1. FIX USE: CHANGED KHKY DP NAMING FROM "TAKEOFF MINIMUMS" TO "HICKORY".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: WESTLEY OWENS

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: BECKLEY VOR/DME

STATE: WV

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 374649.08N/0810724.44W

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 FEET	MRA	MAA
1	BECKLEY	BKW	VOR/DME	H						45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	W	BKW	VOR/DME	287.20	107.20	R	1	4900 8000	5 8
2	W	BKW	VOR/DME	270.00	090.00	R	1	5000 17500	5 16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (54-000785)	374310.00N/0810650.00W	3184	2C
2	200	AAO	374136.00N/0810654.00W	3189	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISH PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: 6W 1985

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	OBERS			KBLF	BLUEFIELD	WV (US)
EN ROUTE	J213					(US)
EN ROUTE	J526					(US)
EN ROUTE	V258					(US)
EN ROUTE	V519					(US)
EN ROUTE	V59					(US)
IAP	ILS OR LOC RWY 19			KBKW	BECKLEY	WV (US)
IAP	RNAV (GPS) RWY 01			KBKW	BECKLEY	WV (US)
IAP	RNAV (GPS) RWY 10			KBKW	BECKLEY	WV (US)
IAP	RNAV (GPS) RWY 19			KBKW	BECKLEY	WV (US)
IAP	RNAV (GPS) RWY 28			KBKW	BECKLEY	WV (US)
IAP	VOR RWY 10		1	KBKW	BECKLEY	WV (US)
IAP	ILS OR LOC RWY 23			KBLF	BLUEFIELD	WV (US)
IAP	VOR RWY 23			KBLF	BLUEFIELD	WV (US)
IAP	RNAV (GPS) RWY 26			I16	PINEVILLE	WV (US)
IAP	RNAV (GPS)-A			KSXL	SUMMERSVILLE	WV (US)
STAR	TRUPS (RNAV)			KDCA	WASHINGTON	DC (US)
STAR	DOCCS			KIAD	WASHINGTON	DC (US)
STAR	GIBBZ (RNAV)			KIAD	WASHINGTON	DC (US)
STAR	TRUPS (RNAV)			KADW	CAMP SPRINGS	MD (US)
STAR	TRUPS (RNAV)			KDAA	FORT BELVOIR	VA (US)
STAR	DOCCS			KJYO	LEESBURG	VA (US)
STAR	GIBBZ (RNAV)			KJYO	LEESBURG	VA (US)
STAR	GIBBZ (RNAV)			KHEF	MANASSAS	VA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 27

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. FIX USE: REMOVED "STAR RAVNN (RNAV)" AT KBWI, KMTN, AND KDMW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: COLUMBIA VORTAC

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 335126.10N/0810314.05W

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 FEET	MRA	MAA
1	COLUMBIA	CAE	VORTAC	VH						45000

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	SE	CAE	VORTAC	155.00	335.00	L 1		2000 6000	4 5
2	SE	CAE	VORTAC	149.00	329.00	L 1		2000 6000	4 5
3	SW	CAE	VORTAC	205.00	025.00	L 1 1/2		18000 45000	20 30
4	SE	CAE	VORTAC	155.00	335.00	L 1		2100 6000	4 13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (45-001033)	335011.00N/0810538.00W	749	2C
2	200	TOWER (45-001033)	335011.00N/0810538.00W	749	2C
4	200	TOWER (45-001033)	335011.00N/0810538.00W	749	2C
4	310	TOWER (45-000656)	334652.55N/0805512.61W	1065	1A

REASON FOR NONSTANDARD HOLDING:

PAT 1 TO AVOID SHAW RAPCONS AIRSPACE.
PAT 2 TO AVOID SHAW RAPCONS AIRSPACE.
PAT 3 ATC REQUEST.
PAT 4 TO AVOID SHAW RAPCONS AIRSPACE.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
4	ILS RWY 11 (CAT II & III)	KCAE	COLUMBIA	SC (US)
4	ILS OR LOC RWY 11	KCAE	COLUMBIA	SC (US)
4	ILS OR LOC RWY 5	KCAE	COLUMBIA	SC (US)
4	ILS OR LOC RWY 29	KCAE	COLUMBIA	SC (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
PAT 3 FOR ATC USE. EVALUATED AT 310 KT FOR MILITARY.
MAGVAR 2W/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHARLOTTE			KCLT	CHARLOTTE	NC (US)
EN ROUTE	V325					SC (US)
EN ROUTE	V37					SC (US)
EN ROUTE	V53					SC (US)
EN ROUTE	V56					SC (US)
IAP	ILS OR LOC/DME RWY 7			KAIK	AIKEN	SC (US)
IAP	NDB RWY 25			KAIK	AIKEN	SC (US)
IAP	ILS OR LOC RWY 11		4	KCAE	COLUMBIA	SC (US)
IAP	ILS OR LOC RWY 29		4	KCAE	COLUMBIA	SC (US)
IAP	ILS OR LOC RWY 5		4	KCAE	COLUMBIA	SC (US)
IAP	ILS RWY 11 (CAT II & III)		4	KCAE	COLUMBIA	SC (US)
IAP	VOR-A		2	KCAE	COLUMBIA	SC (US)
IAP	LOC RWY 31		1	KCUB	COLUMBIA	SC (US)
IAP	NDB RWY 2			KMNI	MANNING	SC (US)
IAP	VOR-A		1	6JO	PELION	SC (US)
STAR	STUGE			KAGS	AUGUSTA	GA (US)
STAR	STWRT			KAGS	AUGUSTA	GA (US)
STAR	BLOCC			KGSO	GREENSBORO	NC (US)
STAR	BUZZY			KRDU	RALEIGH/DURHAM	NC (US)
STAR	BLOCC			KINT	WINSTON SALEM	NC (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: 30

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

CHANGED PAT 4 AIRSPEED 310 TOWER (45-000656) COORDINATES FROM "334652.54N/0805512.65W" TO "334652.55N/0805512.61W",
ELEVATION FROM 1064 TO 1065 AND ACCURACY CODE FROM 2C TO 1A IN CONTROLLING OBSTRUCTIONS.
REMOVED DP HICKORY (OBSTACLE) FOR KHKY AIRPORT FROM FIX USE.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: SILVIA YOUNG
APPROVED BY:	DATE: 02/20/2025	OFFICE: AJV-A432	NAME: CASIMIR TABAKA
SIGNATURE:			

RADIO FIX AND HOLDING DATA RECORD

NAME: FLAT ROCK VORTAC

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 373142.63N/0774941.59W

TYPE:

AIRSPACE DOCKET: 22-AEA-21

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	FLAT ROCK	FAK	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 TIME	LENGTH DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	SW	FAK	VORTAC	218.80	038.80	L	1 1/2		21000 37000	18 26

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

SECTIONAL ADDED PER ATC REQUEST
PAT1 - CHART EN ROUTE HOLDING AND CONTROLLER HIGH
HOLDING PATTERN #1 REQUESTED BY ATC.
ASSIGNED FACILITY MAG VAR: 6W (1965).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	RALEIGH			KRDU	RALEIGH/DURHAM	NC (US)
DP	PACKK			KRDU	RALEIGH/DURHAM	NC (US)
DP	BLACKSTONE			KBKT	BLACKSTONE	VA (US)
DP	HENRY			KPHF	NEWPORT NEWS	VA (US)
DP	KISRR			KORF	NORFOLK	VA (US)
DP	READE			KRIC	RICHMOND	VA (US)
EN ROUTE	HIGH		1			(US)
EN ROUTE	T287					(US)
EN ROUTE	T315					(US)
EN ROUTE	V155					(US)
EN ROUTE	V16					(US)
EN ROUTE	V223					(US)
EN ROUTE	V260					(US)
EN ROUTE	V290					(US)
EN ROUTE	V3					(US)
IAP	RNAV (GPS)-A			W81	CREWE	VA (US)
IAP	RNAV (GPS) RWY 21			KFVX	FARMVILLE	VA (US)
IAP	RNAV (GPS) RWY 15			KFCI	RICHMOND	VA (US)
IAP	ILS OR LOC RWY 16			KRIC	RICHMOND	VA (US)
IAP	ILS OR LOC RWY 2			KRIC	RICHMOND	VA (US)
IAP	ILS OR LOC RWY 34			KRIC	RICHMOND	VA (US)
IAP	ILS RWY 34 (CAT II & III)			KRIC	RICHMOND	VA (US)
IAP	ILS RWY 34 (SA CAT I)			KRIC	RICHMOND	VA (US)
IAP	RNAV (GPS) Z RWY 16			KRIC	RICHMOND	VA (US)
IAP	RNAV (GPS) Z RWY 2			KRIC	RICHMOND	VA (US)
IAP	RNAV (GPS) Z RWY 20			KRIC	RICHMOND	VA (US)
IAP	RNAV (GPS) Z RWY 34			KRIC	RICHMOND	VA (US)
IAP	VOR RWY 02			KRIC	RICHMOND	VA (US)
IAP	VOR RWY 34			KRIC	RICHMOND	VA (US)
IAP	LOC RWY 16			KOFP	RICHMOND/ASHLAND	VA (US)
IAP	VOR RWY 16			KOFP	RICHMOND/ASHLAND	VA (US)
STAR	IRONS			KDCA	WASHINGTON	DC (US)
STAR	COATT			KIAD	WASHINGTON	DC (US)
STAR	TERKS			KCPK	NORFOLK	VA (US)
STAR	TERKS			KNGU	NORFOLK	VA (US)
STAR	TERKS			KORF	NORFOLK	VA (US)
STAR	TERKS			KPVG	NORFOLK	VA (US)
STAR	TERKS			KSFO	SUFFOLK	VA (US)
STAR	TERKS			KNTU	VIRGINIA BEACH	VA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 27

DATE OF REVISION: 07/11/2024

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 22-AEA-21
FIX USE: ADDED T287

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A423	NAME: GALE SHELTON
APPROVED BY:	DATE: 07/11/2024	OFFICE: AJV-A423	NAME: ALLAN WILL
	SIGNATURE:		

RADIO FIX AND HOLDING DATA RECORD

NAME: GLADE SPRING VOR/DME

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 364930.36N/0820444.31W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	GLADE SPRING	GZG	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 DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	E	GZG	VOR/DME	078.12	258.12	L	1	6600 14000	8 10
2	S	GZG	VOR/DME	188.02	008.02	R	1	6000 14000	7 10
3	W	GZG	VOR/DME	248.00	068.00	R	1	6000 14000	7 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	365523.00N/0815345.00W	4866	4E
2	230	AAO	365015.00N/0820233.00W	4416	4E
3	230	AAO	365015.00N/0820233.00W	4416	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PAT 1 THRU 3 FOR ATC COORDINATION.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: W02/1970.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KINGS			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
DP	TRICITIES			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
EN ROUTE	V35					(US)
EN ROUTE	V466					(US)
EN ROUTE	V519					(US)
IAP	ILS OR LOC RWY 23			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
IAP	ILS RWY 23 (CAT II)			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
IAP	ILS RWY 23 (SA CAT I)			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
IAP	LOC RWY 24			KVJI	ABINGDON	VA (US)
IAP	LOC/DME RWY 25			KJFZ	RICHLANDS	VA (US)
IAP	LOC RWY 24			KLNP	WISE	VA (US)
IAP	RNAV (GPS) RWY 24			KLNP	WISE	VA (US)
STAR	BTSEY			KCLT	CHARLOTTE	NC (US)
STAR	BROOK			KGSO	GREENSBORO	NC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. LATITUDE/LONGITUDE CHANGED FROM "364930.36N/0820444.31W" TO "364930.36N/0820444.31W."

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: JUDITH TUTTLE

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: GREENSBORO VORTAC STATE: NC COUNTRY: US ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 360244.49N/0795834.94W TYPE:

AIRSPACE DOCKET: 23-ASO-41 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	GREENSBORO	GSO	VORTAC	VH						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	GSO	VORTAC	221.00	041.00	R	1	3100 17500	4 17
2	E	GSO	VORTAC	108.00	288.00	R	1	3100 17500	4 17
3	W		WP	287.00	107.00	R		4 3000 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (37-001004)	360553.00N/0800107.00W	1341	5D
1	310	TOWER (37-001292)	355642.65N/0795144.38W	2046	1A
2	200	TOWER (37-000975)	355811.00N/0794929.00W	1851	2C
2	310	TOWER (37-001292)	355642.65N/0795144.38W	2046	1A
3	200	TOWER (37-002786)	360636.33N/0800436.41W	1441	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR/DME RWY 23L	KGSO	GREENSBORO	NC (US)
2	ILS RWY 23L (CAT II)	KGSO	GREENSBORO	NC (US)
2	ILS OR LOC RWY 23L	KGSO	GREENSBORO	NC (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 3W (1965)

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHATT (RNAV)			KAGS	AUGUSTA	GA (US)
DP	CHATT (RNAV)			KDNL	AUGUSTA	GA (US)
DP	CHATT (RNAV)			KHQU	THOMSON	GA (US)
DP	CHARLOTTE			KCLT	CHARLOTTE	NC (US)
DP	MOUNTY			KFAY	FAYETTEVILLE	NC (US)
DP	QUAKER			KGSO	GREENSBORO	NC (US)
DP	TRIAD			KGSO	GREENSBORO	NC (US)
DP	RALEIGH			KRDU	RALEIGH/DURHAM	NC (US)
DP	PACKK			KINT	WINSTON SALEM	NC (US)
DP	QUAKER			KINT	WINSTON-SALEM	NC (US)
DP	TRIAD			KINT	WINSTON-SALEM	NC (US)
DP	CHATT (RNAV)			KAIK	AIKEN	SC (US)
DP	READE			KRIC	RICHMOND	VA (US)
EN ROUTE	Q75					(US)
EN ROUTE	Q83					(US)
EN ROUTE	T480					(US)
EN ROUTE	V103					(US)
EN ROUTE	V143					(US)
EN ROUTE	V266					(US)
EN ROUTE	V310					(US)
EN ROUTE	V373					(US)
EN ROUTE	V45					(US)
IAP	ILS Z OR LOC Z RWY 6			KBUY	BURLINGTON	NC (US)
IAP	ILS OR LOC RWY 36R			KCLT	CHARLOTTE	NC (US)
IAP	ILS RWY 36R (CAT II & III)			KCLT	CHARLOTTE	NC (US)
IAP	ILS RWY 36R (SA CAT I)			KCLT	CHARLOTTE	NC (US)
IAP	ILS OR LOC RWY 20			KJQF	CONCORD	NC (US)
IAP	ILS OR LOC RWY 23L		2	KGSO	GREENSBORO	NC (US)
IAP	ILS OR LOC RWY 23R			KGSO	GREENSBORO	NC (US)
IAP	ILS OR LOC RWY 5L			KGSO	GREENSBORO	NC (US)
IAP	ILS OR LOC RWY 5R			KGSO	GREENSBORO	NC (US)
IAP	ILS RWY 23L (CAT II)		2	KGSO	GREENSBORO	NC (US)
IAP	ILS RWY 5L (CAT II & III)			KGSO	GREENSBORO	NC (US)
IAP	ILS RWY 5R (SA CAT II)			KGSO	GREENSBORO	NC (US)
IAP	ILS Y OR LOC Y RWY 32			KGSO	GREENSBORO	NC (US)
IAP	ILS Z OR LOC Z RWY 32			KGSO	GREENSBORO	NC (US)
IAP	VOR/DME RWY 23L		1	KGSO	GREENSBORO	NC (US)
IAP	ILS OR LOC RWY 6			KEXX	LEXINGTON	NC (US)

IAP	VOR-A		KSIF	REIDSVILLE	NC (US)
IAP	ILS OR LOC RWY 20		KRUQ	SALISBURY	NC (US)
IAP	NDB RWY 20		KRUQ	SALISBURY	NC (US)
IAP	ILS Z OR LOC Z RWY 28		KSVH	STATESVILLE	NC (US)
IAP	VOR/DME OR GPS RWY 34		N63	WALNUT COVE	NC (US)
IAP	ILS OR LOC RWY 33		KINT	WINSTON-SALEM	NC (US)
IAP	RNAV (GPS) RWY 15	3	KINT	WINSTON-SALEM	NC (US)
IAP	RNAV (GPS) RWY 33		KINT	WINSTON-SALEM	NC (US)
IAP	ILS OR LOC RWY 2		KDAN	DANVILLE	VA (US)
STAR	STWRT		KAGS	AUGUSTA	GA (US)
STAR	NASCR		KVUJ	ALBEMARLE	NC (US)
STAR	BTSEY		KCLT	CHARLOTTE	NC (US)
STAR	NASCR		KJQF	CONCORD	NC (US)
STAR	BLOCC		KGSO	GREENSBORO	NC (US)
STAR	BROOK		KGSO	GREENSBORO	NC (US)
STAR	HENBY		KGSO	GREENSBORO	NC (US)
STAR	NASCR		KRUQ	SALISBURY	NC (US)
STAR	BLOCC		KINT	WINSTON-SALEM	NC (US)
STAR	BROOK		KINT	WINSTON-SALEM	NC (US)
STAR	HENBY		KINT	WINSTON-SALEM	NC (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 35

DATE OF REVISION: 12/26/2024

REASON FOR REVISION:

NEW SEGMENT

AIRSPACE DOCKET: ADDED DOCKET NUMBER 23-ASO-41

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: RICHARD CAMPBELL

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: LIBERTY VORTAC **STATE:** NC **COUNTRY:** US **ICAO REGION CODE:** K7
LATITUDE/LONGITUDE: 354841.84N/0793645.33W **TYPE:**
AIRSPACE DOCKET: 22-AEA-21 **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	LIBERTY	LIB	VORTAC	VL						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	LIB	VORTAC	056.00	236.00	R	1	3000 17500	4 16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (37-020255)	354753.80N/0793832.50W	1101	5D
1	265	TOWER (37-002503)	355203.00N/0794925.00W	2649	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
MAG VAR W03/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHARLOTTE			KCLT	CHARLOTTE	NC (US)
DP	MOUNTY			KFAY	FAYETTEVILLE	NC (US)
DP	TRIAD			KGSO	GREENSBORO	NC (US)
DP	PACKK			KRDU	RALEIGH/DURHAM	NC (US)
DP	RALEIGH			KRDU	RALEIGH/DURHAM	NC (US)
DP	TRAID			KINT	WINSTON-SALEM	NC (US)
EN ROUTE	T206					(US)
EN ROUTE	V194					NC (US)
EN ROUTE	V409					NC (US)
EN ROUTE	V454					NC (US)
IAP	ILS OR LOC RWY 22L			KVUJ	ALBEMARLE	NC (US)
IAP	RNAV (GPS) RWY 21			KHBI	ASHEBORO	NC (US)
IAP	ILS Y OR LOC Y RWY 6		1	KBUY	BURLINGTON	NC (US)
IAP	ILS Z OR LOC Z RWY 6		1	KBUY	BURLINGTON	NC (US)
IAP	VOR/DME-A			KBUY	BURLINGTON	NC (US)
IAP	LOC RWY 5			KHRJ	ERWIN	NC (US)
IAP	ILS OR LOC RWY 23L		1	KGSO	GREENSBORO	NC (US)
IAP	ILS OR LOC RWY 23R			KGSO	GREENSBORO	NC (US)
IAP	ILS OR LOC RWY 5L			KGSO	GREENSBORO	NC (US)
IAP	ILS OR LOC RWY 5R		1	KGSO	GREENSBORO	NC (US)
IAP	ILS RWY 23L (CAT II)		1	KGSO	GREENSBORO	NC (US)
IAP	ILS RWY 5L (CAT II - III)			KGSO	GREENSBORO	NC (US)
IAP	ILS RWY 5R (SA CAT II)		1	KGSO	GREENSBORO	NC (US)
IAP	ILS Y OR LOC Y RWY 32		1	KGSO	GREENSBORO	NC (US)
IAP	ILS Z OR LOC Z RWY 32		1	KGSO	GREENSBORO	NC (US)
IAP	ILS OR LOC RWY 6			KEXX	LEXINGTON	NC (US)
IAP	ILS OR LOC RWY 23R (ALT MA)			KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS OR LOC RWY 5L (ALT MA)			KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS RWY 23R (CAT II - III) (ALT MA)			KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS OR LOC RWY 6 (ALT MA)			KTDF	ROXBORO	NC (US)
IAP	ILS Y OR LOC Y RWY 3			KTTA	SANFORD	NC (US)
IAP	ILS Z OR LOC Z RWY 3			KTTA	SANFORD	NC (US)
IAP	RNAV (GPS) RWY 21			43A	STAR	NC (US)
STAR	NASCR			KVUJ	ALBEMARLE	NC (US)
STAR	MAJIC			KCLT	CHARLOTTE	NC (US)
STAR	NASCR			KJQF	CONCORD	NC (US)
STAR	MAJIC			KAKH	GASTONIA	NC (US)
STAR	MAJIC			KIPJ	LINCOLNTON	NC (US)
STAR	MAJIC			KEQY	MONROE	NC (US)
STAR	NASCR			KRUQ	SALISBURY	NC (US)
STAR	MAJIC			KEHO	SHELBY	NC (US)
STAR	MAJIC			KAFP	WADESBORO	NC (US)
STAR	MAJIC			N52	WAXHAW	NC (US)
STAR	MAJIC			KDCM	CHESTER	SC (US)
STAR	MAJIC			KLKR	LANCASTER	SC (US)
STAR	MAJIC			KUZA	ROCK HILL	SC (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: 25

DATE OF REVISION: 07/11/2024

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 22-AEA-21.
FIX USE: ADDED T206.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: GREGORY LINDSEY

APPROVED BY:

DATE: 07/11/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: LONDON VOR/DME

STATE: KY

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 370159.34N/0840636.27W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	LONDON	LOZ	VOR/DME	H						45000

FIX RESTRICTIONS:

MCA V517 6000 NORTHBOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	NE	LOZ	VOR/DME	065.88	245.88	R	1	3500 14000	4 10
2	SW	LOZ	VOR/DME	205.32	025.32	R	1	3500 14000	4 10
3	E	LOZ	VOR/DME	088.61	268.61	R	1	3700 14000	4 10
4	N	LOZ	VOR/DME	019.77	199.77	R	1	3300 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (21-001307)	370901.00N/0835932.00W	1933	5E
1	310	TOWER (21-020043)	370341.04N/0835128.32W	1975	1A
2	200	AAO	365436.00N/0840615.00W	1897	4E
2	310	AAO	365109.00N/0840533.00W	2153	4E
3	200	AAO	370239.00N/0835651.00W	1788	4E
4	200	TOWER (21-001967)	370745.00N/0840541.00W	1696	1A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 6	KLOZ	LONDON	KY (US)
2	VOR RWY 6	KLOZ	LONDON	KY (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: W03/1990.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KINGS			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
DP	CHATTANGOOGA			KCHA	CHATTANOOGA	TN (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
DP	NASHVILLE			KBNA	NASHVILLE	TN (US)
EN ROUTE	V140					(US)
EN ROUTE	V310					(US)
EN ROUTE	V347					(US)
EN ROUTE	V517					(US)
EN ROUTE	V97					(US)
IAP	ILS OR LOC RWY 6		1	KLOZ	LONDON	KY (US)
IAP	VOR RWY 6		2	KLOZ	LONDON	KY (US)
IAP	ILS OR LOC RWY 5 (ALT MISS)		3	KSME	SOMERSET	KY (US)
IAP	LOC RWY 20		4	KBYL	WILLIAMSBURG	KY (US)
IAP	VOR RWY 20		4	KBYL	WILLIAMSBURG	KY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: FAC 1 MAA CHANGED FROM 17500 TO 45000.
FIX USE: DELETED STARS DARBY FOR KSDF, KJVY AND KLOU.
REQUIRED CHARTING: DELETED STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: TIA FERONTI

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A420

NAME: DAVID DANNER

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: SPARTANBURG VORTAC STATE: SC COUNTRY: US ICAO REGION CODE: K7
LATITUDE/LONGITUDE: 345417.21N/0815811.28W 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	FEET	MRA	MAA
1	SPARTANBURG	SPA	VORTAC	H							45000

FIX RESTRICTIONS:

MCA V53 5200 NORTHWEST BOUND
MCA V605 5200 NORTHBOUND

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	S	SPA	VORTAC	194.00	014.00	R	1		2700	17500	4	20

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (45-054085)	345852.39N/0815910.02W	1336	4D
1	310	TOWER (45-000490)	345311.14N/0814915.33W	1677	5D

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 5	KSPA	SPARTANBURG	SC (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
MAGVAR 2W/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASHEVILLE			KAVL	ASHEVILLE	NC (US)
DP	CHARLOTTE			KCLT	CHARLOTTE	NC (US)
DP	KINGS			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
EN ROUTE	J83					(US)
EN ROUTE	J85					(US)
EN ROUTE	V266					(US)
EN ROUTE	V415					(US)
EN ROUTE	V53					(US)
EN ROUTE	V605					(US)
IAP	ILS OR LOC RWY 35			KAVL	ASHEVILLE	NC (US)
IAP	LOC RWY 1			KFQD	RUTHERFORDTON	NC (US)
IAP	RNAV (GPS) RWY 1			KFQD	RUTHERFORDTON	NC (US)
IAP	NDB RWY 23			KEHO	SHELBY	NC (US)
IAP	RNAV (GPS) RWY 5			KEHO	SHELBY	NC (US)
IAP	ILS OR LOC RWY 1			KGMU	GREENVILLE	SC (US)
IAP	ILS OR LOC RWY 5			KGYH	GREENVILLE	SC (US)
IAP	ILS OR LOC RWY 22		1	KGSP	GREER	SC (US)
IAP	ILS OR LOC RWY 4		1	KGSP	GREER	SC (US)
IAP	ILS RWY 4 (CAT II-III)		1	KGSP	GREER	SC (US)
IAP	ILS RWY 4 (SA CAT I)		1	KGSP	GREER	SC (US)
IAP	ILS OR LOC RWY 5		1	KSPA	SPARTANBURG	SC (US)
STAR	BROOK			KGSO	GREENSBORO	NC (US)
STAR	BROOK			KINT	WINSTON SALEM	NC (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: 10/31/2024

REASON FOR REVISION:

REMOVED STARS JUNNR (RNAV) AND TRAKS (RNAV) FROM FIX USE.
ADDED ILS OR LOC RWY 5 AT KGYH TO FIX USE.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A433 NAME: GUY COPELAND

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: VOLUNTEER VORTAC STATE: TN COUNTRY: US ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 355417.42N/0835340.99W 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 FEET	MRA	MAA
1	VOLUNTEER	VXV	VORTAC	H						45000

FIX RESTRICTIONS:

MCA V136 5000 EASTBOUND

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	NE		WP	236.00	236.00	L		6	4000 6000	7 8
2	NE	VXV	VORTAC	056.00	236.00	R	1		4100 6000	7 13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (47-000184)	360019.00N/0835623.00W	2849	3C
1	310	TOWER (47-000184)	360019.00N/0835623.00W	2849	3C
2	230	TOWER (47-000184)	360019.00N/0835623.00W	2849	3C
2	310	TOWER (47-000192)	360806.00N/0834329.00W	3049	1D

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 5R	KTYS	KNOXVILLE	TN (US)
2	RADAR-1	KTYS	KNOXVILLE	TN (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING EVALUATED AT 230 KIAS TO SUPPORT MILITARY AIRCRAFT (KC-135) BASED AT KTYS.
PAT 1 230 KIAS CONTROLLING OBSTACLE LIES IN SECONDARY AREA 9359 FT FROM EDGE OF PRIMARY.
MAGVAR W03/1985.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASHEVILLE			KAVL	ASHEVILLE	NC (US)
DP	KINGS			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
DP	CHATTANOOGA			KCHA	CHATTANOOGA	TN (US)
DP	TAKEOFF MINIMUMS			KJAU	JACKSBORO	TN (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
DP	NASHVILLE			KBNA	NASHVILLE	TN (US)
DP	TAKEOFF MINIMUMS			KGKT	SEVIERVILLE	TN (US)
EN ROUTE	J43					(US)
EN ROUTE	J46					(US)
EN ROUTE	J99					(US)
EN ROUTE	V115					(US)
EN ROUTE	V136					(US)
EN ROUTE	V16					(US)
EN ROUTE	V185					(US)
EN ROUTE	V384					(US)
EN ROUTE	V466					(US)
EN ROUTE	V519					(US)
EN ROUTE	V97					(US)
IAP	LOC RWY 26			KDKX	KNOXVILLE	TN (US)
IAP	VOR-B			KDKX	KNOXVILLE	TN (US)
IAP	HI-ILS OR LOC RWY 23L			KTYS	KNOXVILLE	TN (US)
IAP	HI-ILS OR LOC RWY 23R			KTYS	KNOXVILLE	TN (US)
IAP	HI-ILS OR LOC RWY 5L			KTYS	KNOXVILLE	TN (US)
IAP	HI-VOR OR TACAN RWY 23R			KTYS	KNOXVILLE	TN (US)
IAP	HI-VOR OR TACAN RWY 5L			KTYS	KNOXVILLE	TN (US)
IAP	ILS OR LOC RWY 23L			KTYS	KNOXVILLE	TN (US)
IAP	ILS OR LOC RWY 23R			KTYS	KNOXVILLE	TN (US)
IAP	ILS OR LOC RWY 5L			KTYS	KNOXVILLE	TN (US)
IAP	ILS RWY 23R (CAT II)			KTYS	KNOXVILLE	TN (US)
IAP	ILS RWY 23R (SA CAT I)			KTYS	KNOXVILLE	TN (US)
IAP	RADAR-1		2	KTYS	KNOXVILLE	TN (US)
IAP	RNAV (GPS) RWY 5L		1	KTYS	KNOXVILLE	TN (US)

IAP	RNAV (GPS) RWY 5R	1	KTYS	KNOXVILLE	TN (US)
IAP	VOR RWY 23L		KTYS	KNOXVILLE	TN (US)
IAP	VOR RWY 23R		KTYS	KNOXVILLE	TN (US)
IAP	RNAV (GPS) RWY 23		KMNV	MADISONVILLE	TN (US)
IAP	RNAV (GPS) RWY 10		KGKT	SEVIERVILLE	TN (US)
IAP	VOR/DME RWY 10		KGKT	SEVIERVILLE	TN (US)
STAR	DARBY		KJVV	JEFFERSONVILLE	IN (US)
STAR	JAKIE (RNAV)		KCVG	COVINGTON	KY (US)
STAR	DARBY		KLOU	LOUISVILLE	KY (US)
STAR	LIINN		KCLT	CHARLOTTE	NC (US)
STAR	LIINN		KAKH	GASTONIA	NC (US)
STAR	LIINN		KIPJ	LINCOLNTON	NC (US)
STAR	LIINN		KEQY	MONROE	NC (US)
STAR	LIINN		KEHO	SHELBY	NC (US)
STAR	LIINN		KAFF	WADESBORO	NC (US)
STAR	LIINN		N52	WAXHAW	NC (US)
STAR	LIINN		KDCM	CHESTER	SC (US)
STAR	LIINN		KLKR	LANCASTER	SC (US)
STAR	LIINN		KUZA	ROCK HILL	SC (US)
STAR	SWFFT (RNAV)		KBNA	NASHVILLE	TN (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: 31

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

FIX USE: DELETED STAR DARBY KSDF.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: TIA FERONTI

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A420

NAME: DAVID DANNER

SIGNATURE: