

RADIO FIX AND HOLDING DATA RECORD

NAME: BUSIC

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 354135.33N/0821349.13W

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	FAC FEET	MRA	MAA
1	SUGARLOAF MOUNTAIN	SUG	VORTAC	L	008.22	006.22	17.27	17.27		8800	17500
2	BARRETTS MOUNTAIN	BZM	VOR/DME	L	264.00	258.00		49.45		9000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BZM	VOR/DME	R-264	50	9000	17500

FIX RESTRICTIONS:

MCA V-35 9000 NORTHBOUND
MCA V-53 9000 NORTHBOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V35	1, 2				(US)
EN ROUTE	V53	1, 2				(US)
IAP	RNAV (GPS) RWY 19			KFQD	RUTHERFORDTON	NC (US)
STAR	UNMAN (RNAV)			KGSP	GREER	SC (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 02/28/2019

REASON FOR REVISION:

RAISED MRA TO FAC 1 SUG FROM 6500 TO 8800 IN FACILITY MAKE-UP.
ADDED CONTROLLER LOW TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5400

NAME: LONNIE EVERHART (WILLIAM BALL)

APPROVED BY:

DATE:

OFFICE: AJV-5400

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: GSP APCH, AVL APCH
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ROANS STATE: TN COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 361117.61N/0820948.55W 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 NM	FAC FEET	MRA	MAA
1	HOLSTON MOUNTAIN	HMV	VORTAC	L	190.30	186.30	15.00	15.00		7000	17500
2	BARRETTS MOUNTAIN	BZM	VOR/DME	L	299.34	293.34	48.82	48.82		7000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BZM	VOR/DME	R-299	53	9000	17500

FIX RESTRICTIONS:

MCA V53 9000 SOUTHBOUND
 MCA V35 9000 SOUTHBOUND

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	S	HMV	VORTAC	190.30	010.30	R	1		9000	17500	11	18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TERRAIN+AAO	360615.00N/0820721.00W	6485	4E

REMARKS:

HOLSTON MOUNTAIN (FAC 1) AND BARRETTS MOUNTAIN (FAC 2) USED TO ESTABLISH FIX COORDINATES
 HOLDING LIMITED TO ESTABLISHED PATTERN.
 HOLDING IS FOR ATC PURPOSES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V35	1, 2				(US)
EN ROUTE	V53	1, 2				(US)
IAP	RNAV (GPS) RWY 6			K6A4	MOUNTAIN CITY	TN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 DATE OF REVISION: 02/28/2019

REASON FOR REVISION:

ADDED DIST FROM FAC HMV TO FIX MAKE-UP FACILITIES.
 ADDED ESV BZM TO EXPANDED SERVICE VOLUME (ESV).
 CHANGED LEG LENGTH FROM 1 -1 1/2 TO 1 MIN IN PATTERNS.
 UPDATED MAX TEMPLATES SIZE FROM 15 TO 18 IN PATTERNS.
 UPDATED CONTROLLING OBSTACLE LAT LONG AND ELEVATION.
 ADDED DME TO FAC BZM TO FIX MAKE-UP FACILITIES.
 UPDATE FIX USE ENROUTE V53, V35 AND IAP K6A4.
 ADD CONTROLLER LOW TO REQUIRED CHARTING.

INITIATED BY: DATE: ORGANIZATION: NAME:
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-5431 NAME: WILLIAM BALL
 APPROVED BY: DATE: OFFICE: AJV-5420 NAME: JULIE MORGAN
 SIGNATURE:

DISTRIBUTION: NFDC
 FPO: EST
 ARTCC: ZTL
 ATC FACILITY: TRI APCH
 OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: SUGARLOAF MOUNTAIN VORTAC STATE: NC COUNTRY: US ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 352423.42N/0821607.01W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	SUGARLOAF MOUNTAIN	SUG	VORTAC	L							17500

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	TOWER (37-000060)	354405.00N/0821710.00W	6703	5E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
UPN	230	220

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 7000.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
UNPLANNED HOLDING OBSTACLE LOCATED 1.77 NM INTO SECONDARY AREA.
MAGVAR W02/1970

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KNIGHTS			KVUJ	ALBEMARLE	NC (US)
DP	ASHEVILLE			KAVL	ASHEVILLE	NC (US)
DP	CHARLOTTE			KCLT	CHARLOTTE	NC (US)
DP	KNIGHTS			KCLT	CHARLOTTE	NC (US)
DP	KNIGHTS			KJQF	CONCORD	NC (US)
DP	KNIGHTS			KAKH	GASTONIA	NC (US)
DP	HICKORY			KHKY	HICKORY	NC (US)
DP	KNIGHTS			KIPJ	LINCOLNTON	NC (US)
DP	KNIGHTS			KEQY	MONROE	NC (US)
DP	KNIGHTS			KRUQ	SALISBURY	NC (US)
DP	KNIGHTS			KLKR	LANCASTER	SC (US)
DP	KNIGHTS			KUZA	ROCK HILL	SC (US)
DP	KINGS			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
DP	CHATTANOOGA			KCHA	CHATTANOOGA	TN (US)
EN ROUTE	V185					(US)
EN ROUTE	V20-222					(US)
EN ROUTE	V20-35					(US)
EN ROUTE	V222					(US)
EN ROUTE	V35-53					(US)
EN ROUTE	V364					(US)
EN ROUTE	V53					(US)
IAP	ILS OR LOC RWY 35			KAVL	ASHEVILLE	NC (US)
IAP	LOC RWY 3			KMRN	MORGANTON	NC (US)
IAP	LOC RWY 1			KFQD	RUTHERFORDTON	NC (US)
IAP	NDB RWY 23			KEHO	SHELBY	NC (US)
IAP	ILS Y OR LOC Y RWY 1			KGMU	GREENVILLE	SC (US)
IAP	ILS Z OR LOC Z RWY 1			KGMU	GREENVILLE	SC (US)
IAP	ILS OR LOC RWY 5			KGYH	GREENVILLE	SC (US)
IAP	ILS OR LOC RWY 4	1		KGSP	GREER	SC (US)
IAP	ILS RWY 4 (CAT II- III)			KGSP	GREER	SC (US)
IAP	ILS RWY 4 (SA CAT I)			KGSP	GREER	SC (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			KAFP	WADESBORO	NC (US)
STAR	LIINN			KN52	WAXHAW	NC (US)
STAR	LIINN			KDCM	CHESTER	SC (US)
STAR	UNMAN (RNAV)			KGMU	GREENVILLE	SC (US)
STAR	UNMAN (RNAV)			KGYH	GREENVILLE	SC (US)
STAR	UNMAN (RNAV)			KGSP	GREER	SC (US)
STAR	LIINN			KLKR	LANCASTER	SC (US)
STAR	UNMAN (RNAV)			KLQK	PICKENS	SC (US)
STAR	LIINN			KUZA	ROCK HILL	SC (US)
STAR	UNMAN (RNAV)			KSPA	SPARTANBURG	SC (US)

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

COMPULSORY REPORTING POINT: LOW**RECORD REVISION NUMBER: 13****DATE OF REVISION: 09/13/2018****REASON FOR REVISION:**

UPDATED ILS OR LOC/DME RWY 4 TO ILS OR LOC RWY 4 AT KGSP IN FIX USE.

INITIATED BY:**DATE:****ORGANIZATION:****NAME:****DEVELOPED BY:****DATE:** 05/10/2018**OFFICE:** AJV-5400**NAME:** LONNIE EVERHART (LOIS LEGAKO)**APPROVED BY:****DATE:****OFFICE:** AJV-5400**NAME:** LONNIE EVERHART**SIGNATURE:****DISTRIBUTION:**NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: TUXDO

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 350823.51N/0822433.52W

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	FAC FEET	MRA	MAA
1	SUGARLOAF MOUNTAIN	SUG	VORTAC	L	205.44	203.44	17.40	17.40		5000	17500
2	SPARTANBURG	SPA	VORTAC	H	287.14	285.14		24.59		5000	17500
3	BROAD RIVER	BRA	NDB	H	166.11	159.11		8.52		5000	17500
4	ASHEVILLE	I-XQR	LOC		166.83	159.83		19.57		5000	6600

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-XQR	LOC	R-166	20	5000	6600

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

REMARKS:

SUGARLOAF MOUNTAIN (FAC 1) AND SPARTANBURG (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V20	1, 2, 3				(US)
EN ROUTE	V35	1, 2, 3, 4				(US)
IAP	ILS OR LOC RWY 35	1, 2, 4	KAVL	ASHEVILLE		NC (US)
IAP	RNAV (GPS) RWY 19		KGMU	GREENVILLE		SC (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 02/28/2019

REASON FOR REVISION:

LOWERED THE MRA FAC 1 SUG FROM 6200 TO 5000 IN FIX MAKE-UP FACILITIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5431

NAME: WILLIAM BALL

APPROVED BY:

DATE:

OFFICE: AJV-5421

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: AVL APP CON
OTHER: