

RADIO FIX AND HOLDING DATA RECORD

NAME: BOBZY **STATE:** NC **COUNTRY:** US **ICAO REGION CODE:** K7

LATITUDE/LONGITUDE: 351108.04N/0813802.89W **TYPE:** WP, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	CHARLOTTE	CLT	VOR/DME	L	274.71	269.71	33.55	33.56	8000	34000
2	FOOTHILLS	ODF	VOR/DME	H	069.85	069.85	87.14	87.14	8000	34000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CLT	VOR/DME	R-275	34	17500	34000
ODF	VOR/DME	R-070	88	8000	15000

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

REMARKS:
CHARLOTTE (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BOBZY (RNAV)			KVUJ	ALBEMARLE	NC (US)
DP	KERMIT	1, 2		KVUJ	ALBEMARLE	NC (US)
DP	KNIGHTS	1, 2		KVUJ	ALBEMARLE	NC (US)
DP	BOBZY (RNAV)			KCLT	CHARLOTTE	NC (US)
DP	KERMIT	1, 2		KCLT	CHARLOTTE	NC (US)
DP	KNIGHTS	1, 2		KCLT	CHARLOTTE	NC (US)
DP	BOBZY (RNAV)			KJQF	CONCORD	NC (US)
DP	KERMIT	1, 2		KJQF	CONCORD	NC (US)
DP	KNIGHTS	1, 2		KJQF	CONCORD	NC (US)
DP	BOBZY (RNAV)			KAKH	GASTONIA	NC (US)
DP	KERMIT	1, 2		KAKH	GASTONIA	NC (US)
DP	KNIGHTS	1, 2		KAKH	GASTONIA	NC (US)
DP	BOBZY (RNAV)			KIPJ	LINCOLNTON	NC (US)
DP	KERMIT	1, 2		KIPJ	LINCOLNTON	NC (US)
DP	KNIGHTS	1, 2		KIPJ	LINCOLNTON	NC (US)
DP	BOBZY (RNAV)			KEQY	MONROE	NC (US)
DP	KERMIT	1, 2		KEQY	MONROE	NC (US)
DP	KNIGHTS	1, 2		KEQY	MONROE	NC (US)
DP	BOBZY (RNAV)			KRUQ	SALISBURY	NC (US)
DP	KERMIT	1, 2		KRUQ	SALISBURY	NC (US)
DP	KNIGHTS	1, 2		KRUQ	SALISBURY	NC (US)
DP	BOBZY (RNAV)			KLKR	LANCASTER	SC (US)
DP	KERMIT	1, 2		KLKR	LANCASTER	SC (US)
DP	KNIGHTS	1, 2		KLKR	LANCASTER	SC (US)
DP	BOBZY (RNAV)			KUZA	ROCK HILL	SC (US)
DP	KERMIT	1, 2		KUZA	ROCK HILL	SC (US)
DP	KNIGHTS	1, 2		KUZA	ROCK HILL	SC (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 03/21/2024

REASON FOR REVISION:
REQUIRED CHARTING: UPDATED "CONTROLLER" TO "CONTROLLER LOW".

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A412 **NAME:** ANA VEGA

APPROVED BY: **DATE:** 08/10/2023 **OFFICE:** AJV-A410 **NAME:** JULIE MORGAN

SIGNATURE:

STAR	LIINN	KEQY	MONROE	NC (US)
STAR	MAJIC	KEQY	MONROE	NC (US)
STAR	RASLN	KEQY	MONROE	NC (US)
STAR	LIINN	KEHO	SHELBY	NC (US)
STAR	MAJIC	KEHO	SHELBY	NC (US)
STAR	RASLN	KEHO	SHELBY	NC (US)
STAR	LIINN	KAFP	WADESBORO	NC (US)
STAR	MAJIC	KAFP	WADESBORO	NC (US)
STAR	RASLN	KAFP	WADESBORO	NC (US)
STAR	LIINN	N52	WAXHAW	NC (US)
STAR	MAJIC	N52	WAXHAW	NC (US)
STAR	RASLN	N52	WAXHAW	NC (US)
STAR	LIINN	KDCM	CHESTER	SC (US)
STAR	MAJIC	KDCM	CHESTER	SC (US)
STAR	RASLN	KDCM	CHESTER	SC (US)
STAR	LIINN	KLKR	LANCASTER	SC (US)
STAR	MAJIC	KLKR	LANCASTER	SC (US)
STAR	RASLN	KLKR	LANCASTER	SC (US)
STAR	LIINN	KUZA	ROCK HILL	SC (US)
STAR	MAJIC	KUZA	ROCK HILL	SC (US)
STAR	RASLN	KUZA	ROCK HILL	SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 31 **DATE OF REVISION:** 03/19/2026

REASON FOR REVISION:

1. FIX USE: REMOVED RNAV (GPS) RWY 4 AND RNAV (GPS) RWY 22 AT N52.
2. ADDED HOLDING RESTRICTION: HOLDING LIMITED TO ESTABLISHED PATTERN.
HOLDING PATTERN ASSOCIATION UNP,03/19/2026 DELETED

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: BARBARA GORMAN
APPROVED BY:	DATE: 02/12/2026	OFFICE: AJV-A430	NAME: CASIMIR TABAKA
	SIGNATURE:		

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: CHARLES HIRST

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A431

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: FLYYN

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 360617.30N/0810301.23W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC	MRA	MAA
								NM FEET		
1	CHARLOTTE	CLT	VOR/DME	L	360.00	355.00	54.99	55.00	5000	32000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CLT	VOR/DME	R-360	55	5000	32000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

CHARLOTTE (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KNIGHTS	1		KVUJ	ALBEMARLE	NC (US)
DP	KNIGHTS	1		KCLT	CHARLOTTE	NC (US)
DP	KNIGHTS	1		KJQF	CONCORD	NC (US)
DP	KNIGHTS	1		KAKH	GASTONIA	NC (US)
DP	KNIGHTS	1		KIPJ	LINCOLNTON	NC (US)
DP	KNIGHTS	1		KEQY	MONROE	NC (US)
DP	KNIGHTS	1		KRUQ	SALISBURY	NC (US)
DP	KNIGHTS	1		KLKR	LANCASTER	SC (US)
DP	KNIGHTS	1		KUZA	ROCK HILL	SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 03/21/2024

REASON FOR REVISION:

REQUIRED CHARTING: UPDATED "CONTROLLER" TO "CONTROLLER LOW/HIGH".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A412

NAME: ANA VEGA

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A410

NAME: JULIE MORGAN

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: GIPPR **STATE:** NC **COUNTRY:** US **ICAO REGION CODE:** K7
LATITUDE/LONGITUDE: 351234.90N/0795907.90W **TYPE:** WP, DME
AIRSPACE DOCKET: 21-ASW-10 **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	CHARLOTTE	CLT	VOR/DME	L	093.32	088.32	47.52	47.54	4000	17500
2	SANDHILLS	SDZ	VORTAC	L	272.10	269.10		19.55	4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CLT	VOR/DME	R-093	48	4000	17500

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

REMARKS:

CHARLOTTE (FAC 1) USED TO ESTABLISH FIX COORDINATES.
 CHART ON SECTIONAL - ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KNIGHTS	1		KVUJ	ALBEMARLE	NC (US)
DP	KNIGHTS	1		KCLT	CHARLOTTE	NC (US)
DP	KNIGHTS	1		KJQF	CONCORD	NC (US)
DP	KNIGHTS	1		KAKH	GASTONIA	NC (US)
DP	KNIGHTS	1		KIPJ	LINCOLNTON	NC (US)
DP	KNIGHTS	1		KEQY	MONROE	NC (US)
DP	KNIGHTS	1		KRUQ	SALISBURY	NC (US)
DP	KNIGHTS	1		KLKR	LANCASTER	SC (US)
DP	KNIGHTS	1		KUZA	ROCK HILL	SC (US)
EN ROUTE	T398					(US)
IAP	RNAV (GPS) RWY 3		43A		STAR	NC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 07/14/2022

REASON FOR REVISION:

AIRSPACE DOCKET: ADD 21-ASW-10.
 FIX TYPE: DELETE INT.
 FIX MAKE-UP FACILITIES: DELETE FAC 2 CTF, THAT MAKES FAC 3 CLT THE NEW FAC 2; CHANGE FAC 1 SDZ TO FAC 2, FAC 2 CLT TO FAC 1; DELETE FAC 2 SDZ DME.
 REMARKS: CHANGE FROM SANDHILLS (FAC 1) AND CHESTERFIELD (FAC 2) USED TO ESTABLISH FIX COORDINATES TO CHARLOTTE (FAC 1) USED TO ESTABLISH FIX COORDINATES.
 FIX USE: CHANGE FAC 3 ENTRIES TO FAC 1; DELETE V54.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** LEE STUCKEY
APPROVED BY: **DATE:** 07/14/2021 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON
SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: LILLS **STATE:** NC **COUNTRY:** US **ICAO REGION CODE:** K7

LATITUDE/LONGITUDE: 345607.59N/0795548.73W **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	FEET	MRA	MAA
1	FAYETTEVILLE	FAY	VOR/DME	L	271.00	267.00	52.12	52.12		5000	17500
2	SANDHILLS	SDZ	VORTAC	L	228.23	225.23	23.78	23.78		8000	17500
3	CHESTERFIELD	CTF	VOR/DME	L	047.84	044.84	24.11	24.11		2300	17500
4	CHARLOTTE	CLT	VOR/DME	L	111.58	106.58	52.59	52.58		9000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FAY	VOR/DME	R-271	53	5000	17500
CLT	VOR/DME	R-112	53	9000	17500

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

REMARKS:

FAYETTEVILLE (FAC 1) AND SANDHILLS (FAC 2) USED TO ESTABLISH FIX COORDINATES.
 INCREASED FAC 4 (CLT) MRA ALTITUDE AND CLT ESV MIN ALTITUDE FROM 8000 TO 9000 PER FLIGHT INSPECTION RESULTS (2/8/2013).
 DME ONLY FIX BELOW 9000.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KERMIT	2, 3, 4		KVUJ	ALBEMARLE	NC (US)
DP	KNIGHTS	2, 3, 4		KVUJ	ALBEMARLE	NC (US)
DP	LILLS (RNAV)			KVUJ	ALBEMARLE	NC (US)
DP	CHARLOTTE	4		KCLT	CHARLOTTE	NC (US)
DP	KERMIT	2, 3, 4		KCLT	CHARLOTTE	NC (US)
DP	KNIGHTS	2, 3, 4		KCLT	CHARLOTTE	NC (US)
DP	LILLS (RNAV)			KCLT	CHARLOTTE	NC (US)
DP	KERMIT	2, 3, 4		KJQF	CONCORD	NC (US)
DP	KNIGHTS	2, 3, 4		KJQF	CONCORD	NC (US)
DP	LILLS (RNAV)			KJQF	CONCORD	NC (US)
DP	KERMIT	2, 3, 4		KAKH	GASTONIA	NC (US)
DP	KNIGHTS	2, 3, 4		KAKH	GASTONIA	NC (US)
DP	LILLS (RNAV)			KAKH	GASTONIA	NC (US)
DP	KERMIT	2, 3, 4		KIPJ	LINCOLNTON	NC (US)
DP	KNIGHTS	2, 3, 4		KIPJ	LINCOLNTON	NC (US)
DP	LILLS (RNAV)			KIPJ	LINCOLNTON	NC (US)
DP	KERMIT	2, 3, 4		KEQY	MONROE	NC (US)
DP	KNIGHTS	2, 3, 4		KEQY	MONROE	NC (US)
DP	LILLS (RNAV)			KEQY	MONROE	NC (US)
DP	KERMIT	2, 3, 4		KRUQ	SALISBURY	NC (US)
DP	KNIGHTS	2, 3, 4		KRUQ	SALISBURY	NC (US)
DP	LILLS (RNAV)			KRUQ	SALISBURY	NC (US)
DP	KERMIT	2, 3, 4		KLKR	LANCASTER	SC (US)
DP	KNIGHTS	2, 3, 4		KLKR	LANCASTER	SC (US)
DP	LILLS (RNAV)			KLKR	LANCASTER	SC (US)
DP	KERMIT	2, 3, 4		KUZA	ROCK HILL	SC (US)
DP	KNIGHTS	2, 3, 4		KUZA	ROCK HILL	SC (US)
DP	LILLS (RNAV)			KUZA	ROCK HILL	SC (US)
EN ROUTE	V155	1, 2, 3, 4				(US)
EN ROUTE	V296	1, 2, 3, 4				(US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14 **DATE OF REVISION:** 06/17/2021

REASON FOR REVISION:

1. DELETED KHFF CAMP MACKALL NDB OR GPS RWY 11 FROM FIX USE.
2. REMOVED MILITARY IAP AND IAP FROM REQUIRED CHARTING.
3. UPDATED FIX MAKE-UP FAC 3 CTF DISTANCE FROM FAC NM FROM 24.12 TO 24.11.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A450 **NAME:** RAKE MCGRAW

APPROVED BY: **DATE:** 03/09/2021 **OFFICE:** AJV-A450 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION: **NFDC**
 FPO: EST
 ARTCC: ZDC
 ATC FACILITY: FAY APP CON
 OTHER: CLT APP, FLO APP, USAASA

RADIO FIX AND HOLDING DATA RECORD

NAME: NEANO **STATE:** SC **COUNTRY:** US **ICAO REGION CODE:** K7

LATITUDE/LONGITUDE: 350452.86N/0815947.34W **TYPE:** 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	FEET	MRA	MAA
1	FOOTHILLS	ODF	VOR/DME	H	069.85	069.85	68.25	68.25		8000	33000
2	SUGARLOAF MOUNTAIN	SUG	VORTAC	L	147.45	145.45	23.63	23.63		8000	33000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ODF	VOR/DME	R-070	69	8000	15000
SUG	VORTAC	R-147	24	17000	33000

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

REMARKS:
FOOTHILLS (FAC 1) AND SUGARLOAF MOUNTAIN (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KERMIT	1, 2		KVUJ	ALBEMARLE	NC (US)
DP	KNIGHTS	1, 2		KVUJ	ALBEMARLE	NC (US)
DP	KERMIT	1, 2		KCLT	CHARLOTTE	NC (US)
DP	KNIGHTS	1, 2		KCLT	CHARLOTTE	NC (US)
DP	KERMIT	1, 2		KJQF	CONCORD	NC (US)
DP	KNIGHTS	1, 2		KJQF	CONCORD	NC (US)
DP	KERMIT	1, 2		KAKH	GASTONIA	NC (US)
DP	KNIGHTS	1, 2		KAKH	GASTONIA	NC (US)
DP	KERMIT	1, 2		KIPJ	LINCOLNTON	NC (US)
DP	KNIGHTS	1, 2		KIPJ	LINCOLNTON	NC (US)
DP	KERMIT	1, 2		KEQY	MONROE	NC (US)
DP	KNIGHTS	1, 2		KEQY	MONROE	NC (US)
DP	KERMIT	1, 2		KRUQ	SALISBURY	NC (US)
DP	KNIGHTS	1, 2		KRUQ	SALISBURY	NC (US)
DP	KERMIT	1, 2		KLKR	LANCASTER	SC (US)
DP	KNIGHTS	1, 2		KLKR	LANCASTER	SC (US)
DP	KERMIT	1, 2		KUZA	ROCK HILL	SC (US)
DP	KNIGHTS	1, 2		KUZA	ROCK HILL	SC (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 03/21/2024

REASON FOR REVISION:

- FIX MAKE-UP FACILITIES: FOOTHILLS TYPE CHANGED FROM "VORTAC" TO "VOR/DME" - NAME CHANGED; MAA CHANGED FROM 15000 TO 33000 - CORRECT TYPO ERROR.
- REQUIRED CHARTING: UPDATED "CONTROLLER" TO "CONTROLLER LOW".

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A412 **NAME:** ANA VEGA

APPROVED BY: **DATE:** 03/21/2024 **OFFICE:** AJV-A410 **NAME:** JULIE MORGAN

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: PEKNN **STATE:** NC **COUNTRY:** US **ICAO REGION CODE:** K7

LATITUDE/LONGITUDE: 351241.36N/0795221.62W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: 21-ASW-10 **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	SANDHILLS	SDZ	VORTAC	L	272.10	269.10	14.00	14.00		2500	17500
2	CHESTERFIELD	CTF	VOR/DME	VL	033.45	030.45		39.03		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	HOLDING DME	ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SW		WP	207.22	027.22	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	351539.13N/0794819.54W	880	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
CHART ON SECTIONAL - ATC REQUEST.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
SANDHILLS (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KNIGHTS	1, 2		KVUJ	ALBEMARLE	NC (US)
DP	KNIGHTS	1, 2		KCLT	CHARLOTTE	NC (US)
DP	KNIGHTS	1, 2		KJQF	CONCORD	NC (US)
DP	KNIGHTS	1, 2		KAKH	GASTONIA	NC (US)
DP	KNIGHTS	1, 2		KIPJ	LINCOLNTON	NC (US)
DP	KNIGHTS	1, 2		KEQY	MONROE	NC (US)
DP	KNIGHTS	1, 2		KRUQ	SALISBURY	NC (US)
DP	KNIGHTS	1, 2		KLKR	LANCASTER	SC (US)
DP	KNIGHTS	1, 2		KUZA	ROCK HILL	SC (US)
EN ROUTE	T398					(US)
IAP	ILS OR LOC RWY 22L	1		KVUJ	ALBEMARLE	NC (US)
IAP	NDB RWY 22L	1		KVUJ	ALBEMARLE	NC (US)
IAP	RNAV (GPS) RWY 21		1	43A	STAR	NC (US)
IAP	RNAV (GPS) RWY 3		1	43A	STAR	NC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 07/14/2022

REASON FOR REVISION:
AIRSPACE DOCKET: ADD 21-ASW-10.
REMARKS:
FIX USE: DELETE V54.

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

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

APPROVED BY: **DATE:** 07/14/2022 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: WALUT **STATE:** SC **COUNTRY:** US **ICAO REGION CODE:** K7

LATITUDE/LONGITUDE: 343959.92N/0805031.83W **TYPE:** 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	FEET	MRA	MAA
1	CHARLOTTE	CLT	VOR/DME	L	175.19	170.19	31.84	31.83		5000	34000
2	CHESTERFIELD	CTF	VOR/DME	VL	275.13	272.13	28.09	28.09		5000	33000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CLT	VOR/DME	R-175	32	17500	34000
CTF	VOR/DME	R-275	29	17000	33000

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

REMARKS:

CHARLOTTE (FAC 1) AND CHESTERFIELD (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KERMIT	1, 2		KVUJ	ALBEMARLE	NC (US)
DP	KNIGHTS	1, 2		KVUJ	ALBEMARLE	NC (US)
DP	KERMIT	1, 2		KCLT	CHARLOTTE	NC (US)
DP	KNIGHTS	1, 2		KCLT	CHARLOTTE	NC (US)
DP	KERMIT	1, 2		KJQF	CONCORD	NC (US)
DP	KNIGHTS	1, 2		KJQF	CONCORD	NC (US)
DP	KERMIT	1, 2		KAKH	GASTONIA	NC (US)
DP	KNIGHTS	1, 2		KAKH	GASTONIA	NC (US)
DP	KERMIT	1, 2		KIPJ	LINCOLNTON	NC (US)
DP	KNIGHTS	1, 2		KIPJ	LINCOLNTON	NC (US)
DP	KERMIT	1, 2		KEQY	MONROE	NC (US)
DP	KNIGHTS	1, 2		KEQY	MONROE	NC (US)
DP	KERMIT	1, 2		KRUQ	SALISBURY	NC (US)
DP	KNIGHTS	1, 2		KRUQ	SALISBURY	NC (US)
DP	KERMIT	1, 2		KLKR	LANCASTER	SC (US)
DP	KNIGHTS	1, 2		KLKR	LANCASTER	SC (US)
DP	KERMIT	1, 2		KUZA	ROCK HILL	SC (US)
DP	KNIGHTS	1, 2		KUZA	ROCK HILL	SC (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 03/21/2024

REASON FOR REVISION:

1. REQUIRED CHARTING: UPDATED "CONTROLLER" TO "CONTROLLER LOW".
2. FIX MAKE-UP FACILITIES: CHESTERFIELD (CTF) CLASS CHANGED FROM "L" TO "VL" - AIRNAV UPDATED.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A412 **NAME:** ANA VEGA

APPROVED BY: **DATE:** 08/10/2023 **OFFICE:** AJV-A410 **NAME:** JULIE MORGAN

SIGNATURE: