

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 355524.70N/0771055.15W **TYPE:** INT, 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 NM	FAC FEET	MRA	MAA
1	KINSTON	ISO	VORTAC	L	033.96	028.96	37.88	37.88		18000	23000
2	TAR RIVER	TYI	VORTAC	L	102.00	097.00				18000	23000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ISO	VORTAC	R-034	38	18000	23000
TYI	VORTAC	R-102	26	4000	23000

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

REMARKS:

NEW FIX NEEDED FOR NEW STAR INTO THE NORFOLK, VA AREA.
MAG VAR: ISO-5W; TYI-5W.
FAC 1 & 2: ESV

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	DRONE	1, 2		KFAF	FORT EUSTIS	VA (US)
STAR	DRONE	1, 2		KLFI	HAMPTON	VA (US)
STAR	DRONE	1, 2		KPHF	NEWPORT NEWS	VA (US)
STAR	DRONE	1, 2		KCPK	NORFOLK	VA (US)
STAR	DRONE	1, 2		KNGU	NORFOLK	VA (US)
STAR	DRONE	1, 2		KORF	NORFOLK	VA (US)
STAR	DRONE	1, 2		KPVG	NORFOLK	VA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 03/29/2018

REASON FOR REVISION:

ADDED DRONE STAR AT KORF, KNGU, KCPK, KPVG, KFAF, KLFI, AND KPHF TO FIX USE.

DEVELOPED BY: **DATE:** 10/23/2017 **OFFICE:** AJV-5431 **NAME:** LIAM DONAHUE

APPROVED BY: **DATE:** **OFFICE:** AJV-5430 **NAME:** PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*
DONALD H LANIER

DISTRIBUTION: NFDC Dec 21, 2017
FPO: NYC
ARTCC: ZDC
ATC FACILITY: ORF APCH
OTHER:

QUALITY
17
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: COFIELD VORTAC

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 362222.49N/0765217.56W

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	COFIELD	CVI	VORTAC	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	CVI	VORTAC	082.00	262.00	R	1		2000	14000	4	10
2	SE	CVI	VORTAC	136.00	316.00	R	1		2000	3000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (37-020104)	362612.18N/0764324.88W	434	4D
2	200	TOWER (37-003119)	361629.56N/0764315.82W	463	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FACILITY MAGVAR: 9W/1990.

HOLDING PATTERN 2 CONTROLLING OBSTACLE MANUALLY CHOSEN DUE TO CLOSE PROXIMITY TO PRIMARY OEA.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J193					(US)
EN ROUTE	V1					(US)
EN ROUTE	V194					(US)
EN ROUTE	V260					(US)
EN ROUTE	V70					(US)
IAP	VOR-A		1	KASJ	AHOSKIE	NC (US)
IAP	ILS OR LOC RWY 19			KEDE	EDENTON	NC (US)
IAP	RNAV (GPS) RWY 19			KEDE	EDENTON	NC (US)
IAP	ILS OR LOC RWY 10		1	KECG	ELIZABETH CITY	NC (US)
IAP	LOC RWY 34 (ALT MISSED)		2	KEMV	EMPORIA	VA (US)
IAP	ILS OR LOC RWY 7			KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV (GPS) RWY 7			KPHF	NEWPORT NEWS	VA (US)
IAP	ILS OR LOC RWY 5			KCPK	NORFOLK	VA (US)
IAP	LOC RWY 4			KSFQ	SUFFOLK	VA (US)
IAP	RNAV (GPS) RWY 4			KSFQ	SUFFOLK	VA (US)
IAP	RNAV (GPS) RWY 7			KSFQ	SUFFOLK	VA (US)
STAR	DRONE			KFAF	FORT EUSTIS	VA (US)
STAR	DRONE			KLFI	HAMPTON	VA (US)
STAR	DRONE			KPHF	NEWPORT NEWS	VA (US)
STAR	DRONE			KCPK	NORFOLK	VA (US)
STAR	DRONE			KNGU	NORFOLK	VA (US)
STAR	DRONE			KORF	NORFOLK	VA (US)
STAR	DRONE			KPVG	NORFOLK	VA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

1. ADDED DRONE STAR AT AIRPORTS KNGU, KCPK, KPVG, KFAF, KLFI, AND KPHF TO FIX USE.
2. ADDED ALT MISSED FOR KEMV LOC RWY 34 (PAT 2).
3. ADDED PAT 2 CONTROLLING OBSTACLE.
4. ADDED KEMV LOC RWY 34 TO FIX USE.
5. ADDED REMARK: FACILITY MAGVAR 9W/1990.
6. ADDED MILITARY STAR TO REQUIRED CHARTING.
7. ADDED REMARK: HOLDING PATTERN 2 CONTROLLING OBSTACLE MANUALLY CHOSEN DUE TO CLOSE PROXIMITY TO PRIMARY OEA.

01/30/2018 THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/21/2017
ADDED HOLDING PATTERN 1 TO KECG ILS OR LOC RWY 10 FIX USE.

02/27/2018 THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 01/31/2018
CHANGED VOR/DME-A TO VOR-A AT KASJ IN FIX USE.

QUALITY
34
CHECKED

DEVELOPED BY: **DATE:** 10/23/2017 **OFFICE:** AJV-5431 **NAME:** LIAM DONAHUE

APPROVED BY: **DATE:** **OFFICE:** AJV-5430 **NAME:** PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*
 DONALD H LANIER

DISTRIBUTION: **NFDC** Feb 27, 2018
 FPO: EST
 ARTCC: ZDC
 ATC FACILITY: ORF APP CON
 OTHER:

QUALITY
34
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DEENE STATE: NC COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 360432.86N/0772951.42W TYPE: INT, 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	MRA	MAA
1	TAR RIVER	TYI	VORTAC	L	064.34	059.34	11.66	11.66	18000	23000
2	KINSTON	ISO	VORTAC	L	009.00	004.00		42.33	18000	23000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
TYI	VORTAC	R-064	12	4000	23000
ISO	VORTAC	R-009	43	18000	23000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

TAR RIVER (FAC 1) USED TO ESTABLISH FIX COORDINATES
 NEW FIX NEEDED FOR NEW STAR INTO THE NORFOLK, VA AREA.
 MAG VAR: ISO-5W, TYI-5W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	DRONE	1, 2		KFAF	FORT EUSTIS	VA (US)
STAR	DRONE	1, 2		KLFI	HAMPTON	VA (US)
STAR	DRONE	1, 2		KPHF	NEWPORT NEWS	VA (US)
STAR	DRONE	1, 2		KCPK	NORFOLK	VA (US)
STAR	DRONE	1, 2		KNGU	NORFOLK	VA (US)
STAR	DRONE	1, 2		KORF	NORFOLK	VA (US)
STAR	DRONE	1, 2		KPVG	NORFOLK	VA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

1. UPDATED AND MOVED ESV DATA FROM FIX USE TO ESV.
2. ADDED AIRPORTS KORF, KNGU, KCPK, KPVG, KFAF, KLFI, AND KPHF TO DRONE STAR IN FIX USE.
3. ADDED TAR RIVER (FAC 1) USED TO ESTABLISH FIX COORDINATES TO REMARKS.
4. ADDED 42.33 DIST FROM FAC TO FAC 2 IN FIX MAKE-UP FACILITIES.

04/02/2018: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 02/27/2018.

1. FAC 2 ESV RADIAL/BEARING AND DISTANCE FROM 090 AND 42 TO 009 AND 43.

DEVELOPED BY: DATE: 10/23/2017 OFFICE: AJV-5431 NAME: LIAM DONAHUE

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*

DONALD H LANIER

DISTRIBUTION: NFDC
 FPO: NYC
 ARTCC: ZDC
 ATC FACILITY: ORF APP CON
 OTHER:

Apr 02, 2018

QUALITY
34
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DRONE STATE: NC COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 363145.23N/0764015.05W TYPE: WP, 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	MRA	MAA
1	NORFOLK	ORF	VORTAC	H	233.39	226.39	31.42	31.42	2500	17500
2	CHAMBERS	NGU	TACAN	L	227.75	217.75	31.08	31.08	16000	18000
3	COFIELD	CVI	VORTAC	L	054.99	045.99	13.49	13.49	2000	17500

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	SW	ORF	VORTAC	233.39	053.39	R	1-1 1/2	2500 17500	6 18
2	SW	NGU	TACAN	227.75	047.75	R	10	16000 18000	17 18
3	SW	CVI	VORTAC	234.99	054.99	R	1	2000 4000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (51-001066)	363541.00N/0764056.00W	486	3C
2	265	TOWER (51-001066)	363541.00N/0764056.00W	486	3C
3	200	TOWER (37-020104)	362612.18N/0764324.88W	434	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:

COFIELD (FAC 3) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ORF VORTAC IS RESTRICTED BELOW 2500 FT BEYOND 30 NM.
 ORF RESTRICTION, CVI NO COURSE SIGNAL ZONE, AND V1 ALTITUDES 2000-17500 DRIVE REQUIREMENT FOR DOCUMENTING BOTH PATS 1 AND 3 FOR USE ON V1. PATS USE SAME GROUNDTRACK

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V266	1				(US)
EN ROUTE	V1	1, 2, 3	1, 3			NC (US)
IAP	RNAV (GPS) RWY 5			KCPK	NORFOLK	VA (US)
IAP	HI-TACAN RWY 10	2	2	KNGU	NORFOLK	VA (US)
IAP	HI-TACAN RWY 28	2	2	KNGU	NORFOLK	VA (US)
IAP	RNAV (GPS) Z RWY 5			KORF	NORFOLK	VA (US)
IAP	RNAV (GPS) RWY 10			KPVG	NORFOLK	VA (US)
STAR	DRONE	1, 2, 3	1	KFAF	FORT EUSTIS	VA (US)
STAR	DRONE	1, 2, 3	1	KLFI	HAMPTON	VA (US)
STAR	DRONE	1, 2, 3	1	KPHF	NEWPORT NEWS	VA (US)
STAR	DRONE	1, 2, 3	1	KCPK	NORFOLK	VA (US)
STAR	DRONE	1, 2, 3	1	KNGU	NORFOLK	VA (US)
STAR	DRONE	1, 2, 3	1	KORF	NORFOLK	VA (US)
STAR	DRONE	1, 2, 3	1	KPVG	NORFOLK	VA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 03/29/2018

REASON FOR REVISION:

1. DELETED FRANKLIN VORTAC FROM FACILITIES.
2. DELETED INT FROM FIX TYPE.
3. ADDED DRONE STAR AT KNGU, KCPK, KPVG, KFAF, KLFI, AND KPHF TO FIX USE.
4. DELETED THE ILS OR LOC RWY 5 AT KORF FROM FIX USE.
5. UPDATED HOLDING PATTERNS 1 AND 3 MIN/MAX ALTITUDES TO REFLECT CHARTING AND NAVAID LIMITATIONS.
6. CORRECTED HOLDING PATTERNS 1 AND 3 CONTROLLING OBSTACLES WHICH WERE ACTUALLY REVERSED.
7. ADDED HOLDING PATTERN EXPLANATORY NOTE TO REMARKS.

DEVELOPED BY: DATE: 10/23/2017 OFFICE: AJV-5431 NAME: LIAM DONAHUE

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN

SIGNATURE:

Digitally signed by
DONALD H LANIER
 Dec 21, 2017



DISTRIBUTION: NFDC
 FPO: EST
 ARTCC: ZDC
 ATC FACILITY: ORF APP CON
 OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: FRANKLIN VORTAC **STATE:** VA **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 364251.25N/0770044.56W **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	MRA FEET	MAA
1	FRANKLIN	FKN	VORTAC	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	W	FKN	VORTAC	290.00	110.00	R	1		1600	6000	4	5
2	W		WP	290.00	110.00	R		4	2000	5000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (51-000975)	364116.00N/0770058.48W	524	5D
2	200	TOWER (51-000975)	364116.00N/0770058.48W	524	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J207					(US)
EN ROUTE	J79					(US)
EN ROUTE	V189					(US)
EN ROUTE	V260					(US)
EN ROUTE	V266					(US)
EN ROUTE	V66					(US)
IAP	COPTER RNAV (GPS) RWY 14			KFAF	FORT EUSTIS	VA (US)
IAP	RNAV (GPS) RWY 14			KFAF	FORT EUSTIS	VA (US)
IAP	ILS OR LOC RWY 23		1	KORF	NORFOLK	VA (US)
IAP	RNAV (GPS) RWY 10			KPVG	NORFOLK	VA (US)
STAR	ARGAL			KRDU	RALEIGH/DURHAM	NC (US)
STAR	KAROO (RNAV)			KRDU	RALEIGH/DURHAM	NC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 21

DATE OF REVISION: 03/29/2018

REASON FOR REVISION:

DELETED MOUNTY SID AT KFAY, RALEIGH SID AT KRDU, RNAV (GPS) RWY 20 AT KAKQ, NASCR STAR AT KCLT, KRDU, AND KRQU, CHSLY STAR AT KCLT, AND DRONE STAR AT KLFI, KPHF, KCPK, KNGU, KORF, AND KPVG FROM FIX USE..

DEVELOPED BY: **DATE:** 10/18/2017 **OFFICE:** AJV-5431 **NAME:** LIAM DONAHUE

APPROVED BY: **DATE:** **OFFICE:** AJV-5430 **NAME:** PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*
DONALD H LANIER

DISTRIBUTION: NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: ORF APP CON
OTHER: RDU APP CON

Dec 21, 2017

QUALITY
17
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KINSTON VORTAC **STATE:** NC **COUNTRY:** US **ICAO REGION CODE:** K7

LATITUDE/LONGITUDE: 352215.44N/0773330.01W **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 FAC NM	MRA FEET	MAA
1	KINSTON	ISO	VORTAC	L						17500

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	ISO	VORTAC	053.30	233.30	R	1		5000	17500	4	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	265	TOWER (37-000718)	352156.50N/0772337.00W	2011	5E
1	200	TOWER (37-002143)	352927.00N/0772556.00W	385	2C

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 5000.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAG VAR: 5 DEGREES WEST.
 UNPLANNED HOLDING USED BY GSB APPROACH TO SUPPORT NON-RADAR OPERATIONS.
 ISO VORTAC UNUSABLE BELOW 5000 AND BEYOND 10 NM.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J121					(US)
EN ROUTE	V1					(US)
EN ROUTE	V157					(US)
EN ROUTE	V45					(US)
EN ROUTE	V472					(US)
EN ROUTE	V54					(US)
EN ROUTE	V70					(US)
IAP	ILS OR LOC RWY 23			KGWW	GOLDSBORO	NC (US)
IAP	RNAV (GPS) RWY 23			KGWW	GOLDSBORO	NC (US)
IAP	RNAV (GPS) RWY 5			KGWW	GOLDSBORO	NC (US)
IAP	VOR-A			KGWW	GOLDSBORO	NC (US)
IAP	ILS Z OR LOC Z RWY 20			KPGV	GREENVILLE	NC (US)
IAP	RNAV (GPS) RWY 2			KPGV	GREENVILLE	NC (US)
IAP	RNAV (GPS) RWY 23			KOAJ	JACKSONVILLE	NC (US)
IAP	ILS OR LOC RWY 5			KISO	KINSTON	NC (US)
IAP	VOR RWY 23		1	KISO	KINSTON	NC (US)
IAP	VOR-A			KW40	MOUNT OLIVE	NC (US)
IAP	ILS OR LOC RWY 4			KEWN	NEW BERN	NC (US)
IAP	ILS OR LOC RWY 4			KRWI	ROCKY MOUNT	NC (US)
IAP	LOC RWY 5			KOCW	WASHINGTON	NC (US)
IAP	RNAV (GPS) RWY 5			KOCW	WASHINGTON	NC (US)
IAP	VOR/DME RWY 5			KOCW	WASHINGTON	NC (US)
STAR	BLOGS (RNAV)			KRDU	RALEIGH/DURHAM	NC (US)
STAR	BRAD			KRDU	RALEIGH/DURHAM	NC (US)
STAR	AMYL (RNAV)			KCHS	CHARLESTON	SC (US)
STAR	RSRVE (RNAV)			KCHS	CHARLESTON	SC (US)
STAR	AMYL (RNAV)			KJZI	CHARLESTON	SC (US)
STAR	DRONE			KFAF	FORT EUSTIS	VA (US)
STAR	DRONE			KLFI	HAMPTON	VA (US)
STAR	DRONE			KPHF	NEWPORT NEWS	VA (US)
STAR	DRONE			KCPK	NORFOLK	VA (US)
STAR	DRONE			KNGU	NORFOLK	VA (US)
STAR	DRONE			KORF	NORFOLK	VA (US)
STAR	DRONE			KPVG	NORFOLK	VA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 03/29/2018

REASON FOR REVISION:

ADDED DRONE STAR AT KFAF TO FIX USE.

QUALITY
17
CHECKED

DEVELOPED BY:	DATE: 10/23/2017	OFFICE: AJV-5431	NAME: LIAM DONAHUE
APPROVED BY:	DATE:	OFFICE: AJV-5423	NAME: PATRICK MULQUEEN
	SIGNATURE:	<i>Digitally signed by</i> DONALD H LANIER	
DISTRIBUTION:	NFDC FPO: EST ARTCC: ZDC ATC FACILITY: GSB APP CON OTHER: ISO ATCT	Dec 21, 2017	

QUALITY
17
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TAR RIVER VORTAC **STATE:** NC **COUNTRY:** US **ICAO REGION CODE:** K7

LATITUDE/LONGITUDE: 355836.20N/0774213.43W **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	TAR RIVER	TYI	VORTAC	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	S	TYI	VORTAC	174.00	354.00	R	1-1 1/2	2000 17500	4 16
2	NE	TYI	VORTAC	057.79	237.79	R	1	2000 10000	4 9
3	S	TYI	VORTAC	193.93	013.93	R	1	2000 10000	4 9
4	SW	WP	WP	246.38	066.38	L	10	18000 45000	17 30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	TOWER (37-001056)	354841.00N/0774432.00W	748	5D
1	200	TOWER (37-001938)	355646.00N/0773936.00W	549	2D
2	200	TOWER (37-000889)	355819.00N/0774743.00W	625	3C
3	200	TOWER (37-001129)	355407.00N/0774657.00W	634	5D

REASON FOR NONSTANDARD HOLDING:

PAT 4 ATC REQUEST

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING PAT 4 CRS INBOUND DOCUMENTED IN TRUE, CHART ON Q64.
FACILITY MAG VAR: 5W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BARMY (RNAV)			KVUJ	ALBEMARLE	NC (US)
DP	BARMY (RNAV)			KCLT	CHARLOTTE	NC (US)
DP	BARMY (RNAV)			KJQF	CONCORD	NC (US)
DP	MOUNTY			KFAY	FAYETTEVILLE	NC (US)
DP	BARMY (RNAV)			KAKH	GASTONIA	NC (US)
DP	BARMY (RNAV)			KIPJ	LINCOLNTON	NC (US)
DP	BARMY (RNAV)			KEQY	MONROE	NC (US)
DP	HURIC (RNAV)			KRDU	RALEIGH/DURHAM	NC (US)
DP	RALEIGH			KRDU	RALEIGH/DURHAM	NC (US)
DP	BARMY (RNAV)			KRUQ	SALISBURY	NC (US)
DP	BARMY (RNAV)			KLKR	LANCASTER	SC (US)
DP	BARMY (RNAV)			KUZA	ROCK HILL	SC (US)
EN ROUTE	J209					(US)
EN ROUTE	J40					(US)
EN ROUTE	J79					(US)
EN ROUTE	Q64		4			(US)
EN ROUTE	V157					(US)
EN ROUTE	V189					(US)
EN ROUTE	V194					(US)
EN ROUTE	V213					(US)
EN ROUTE	V290					(US)
EN ROUTE	V310					(US)
IAP	ILS OR LOC RWY 23			KGWW	GOLDSBORO	NC (US)
IAP	VOR-A			KGWW	GOLDSBORO	NC (US)
IAP	ILS OR LOC RWY 5			KLHZ	LOUISBURG	NC (US)
IAP	LOC RWY 6			KHNZ	OXFORD	NC (US)
IAP	ILS OR LOC RWY 23L			KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS OR LOC RWY 5R			KRDU	RALEIGH/DURHAM	NC (US)
IAP	RNAV (GPS) RWY 2			KIXA	ROANOKE RAPIDS	NC (US)
IAP	VOR RWY 2		3	KIXA	ROANOKE RAPIDS	NC (US)
IAP	ILS OR LOC RWY 4		2	KRWI	ROCKY MOUNT	NC (US)
IAP	VOR/DME RWY 22		2	KRWI	ROCKY MOUNT	NC (US)
IAP	ILS OR LOC Z RWY 3			KJNX	SMITHFIELD	NC (US)
IAP	VOR/DME OR GPS RWY 27		1	KETC	TARBORO	NC (US)
IAP	LOC RWY 5			KOCW	WASHINGTON	NC (US)
IAP	LOC RWY 34			KEMV	EMPORIA	VA (US)
IAP	LOC RWY 1			KAVC	SOUTH HILL	VA (US)
STAR	NASCR			KVUJ	ALBEMARLE	NC (US)
STAR	NASCR			KJQF	CONCORD	NC (US)
STAR	ARGAL			KRDU	RALEIGH/DURHAM	NC (US)

QUALITY
17
CHECKED

STAR	BLOGS (RNAV)	KRDU	RALEIGH/DURHAM	NC (US)
STAR	BRAD	KRDU	RALEIGH/DURHAM	NC (US)
STAR	NASCR	KRUQ	SALISBURY	NC (US)
STAR	DRONE	KFAF	FORT EUSTIS	VA (US)
STAR	DRONE	KLFI	HAMPTON	VA (US)
STAR	DRONE	KPHF	NEWPORT NEWS	VA (US)
STAR	DRONE	KCPK	NORFOLK	VA (US)
STAR	DRONE	KNGU	NORFOLK	VA (US)
STAR	DRONE	KORF	NORFOLK	VA (US)
STAR	DRONE	KPVG	NORFOLK	VA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18

DATE OF REVISION: 03/29/2018

REASON FOR REVISION:

ADDED DRONE STAR AT KFAF TO FIX USE.

DEVELOPED BY:

DATE: 10/23/2017

OFFICE: AJV-5431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

Digitally signed by

DONALD H LANIER

DISTRIBUTION:

NFDC

Dec 21, 2017

FPO: EST

ARTCC: ZDC

ATC FACILITY: RDU APP CON

OTHER:

QUALITY
17
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