

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: 22-ASO-23

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	NORFOLK	ORF	VORTAC	VH	233.39	226.39	31.43	31.43	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: 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	ORF	VORTAC	233.39	053.39	R	1		2500	17500	6	18
2	SW	NGU	TACAN	227.75	047.75	R		10	16000	18000	17	18
3	SW	CVI	VORTAC	054.99	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
SPECIAL IAP	RNAV (GPS) M RWY 5			KORF	NORFOLK	VA (US)
EN ROUTE	T480					(US)
EN ROUTE	V1	1, 3	1, 3			(US)
IAP	ILS OR LOC RWY 5	3	3	KCPK	NORFOLK	VA (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, EN ROUTE LOW, SPECIAL IAP, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

AIRSPACE DOCKET: CHANGED 22-AEA-21 TO 22-ASO-23.

FIX USE: REMOVED V266.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

May 16, 2024

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GEPKE

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 364619.82N/0773008.12W

TYPE: WP, DME

AIRSPACE DOCKET: 22-ASO-23

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	HOPEWELL	HPW	VORTAC	L	215.20	209.20	38.17	38.17		5000	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	SW		WP	216.98	036.98	R		4	4000	6000	5	14
2	NE	HPW	VORTAC	035.20	215.20	R	1		5000	6000	5	14

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (51-001918)	363920.40N/0773420.90W	669	5D
1	310	TOWER (37-001118)	363237.00N/0774358.00W	776	5D
2	200	TOWER (51-002414)	364425.37N/0773056.13W	358	1A
2	310	TOWER (51-000083)	365640.00N/0773713.00W	683	1D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS)-A	KLVL	LAWRENCEVILLE	VA (US)
2	LOC RWY 34	KEMV	EMPORIA	VA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V615	1				(US)
IAP	LOC RWY 34	1	2	KEMV	EMPORIA	VA (US)
IAP	RNAV (GPS)-A		1	KLVL	LAWRENCEVILLE	VA (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 22-ASO-23.

FIX USE: REMOVED V266.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 07/11/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

May 16, 2024

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HARVY

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 364446.20N/0782818.98W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 22-ASO-23

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	FLAT ROCK	FAK	VORTAC	H	219.57	213.57	56.14	56.14	6000	17500
2	SOUTH BOSTON	SBV	VORTAC	L	085.59	080.59	26.52	26.52	2300	17500
3	RALEIGH/DURHAM	RDU	VORTAC	H	025.00	016.00	54.48	54.48	3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FAK	VORTAC	R-220	57	6000	15000
RDU	VORTAC	R-025	55	3000	15000

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		WP	213.00	033.00	R		4	3000	6000	5	6
2	NE		WP	040.57	220.57	R		4	3000	6000	5	6
3	E		WP	089.25	269.25	L		4	3000	6000	5	6
4	E	SBV	VORTAC	085.59	265.59	L	1		3000	6000	6	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	364851.00N/0782857.00W	814	2C
2	200	AAO	364851.00N/0782857.00W	814	2C
3	200	TOWER (51-000268)	364624.00N/0782041.00W	799	4D
4	200	AAO	364851.00N/0782909.00W	824	4E

REASON FOR NONSTANDARD HOLDING:

PAT 3 AT REQUEST
PAT 4 AT REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

SOUTH BOSTON (FAC 2) AND RALEIGH/DURHAM (FAC 3) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	OXFRD (RNAV)			KRDU	RALEIGH/DURHAM	NC (US)
EN ROUTE	V3	1, 2, 3				(US)
IAP	RNAV (GPS)-A		1	W63	CLARKSVILLE	VA (US)
IAP	RNAV (GPS)-B		3	W63	CLARKSVILLE	VA (US)
IAP	RNAV (GPS) RWY 1		2	W78	SOUTH BOSTON	VA (US)
IAP	LOC RWY 1	2, 3	4	KAVC	SOUTH HILL	VA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 22-ASO-23.
FIX MAKE-UP FACILITIES: EXCHANGED FACS 1 AND 3.
FIX USE: REMOVED V266.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 07/11/2024

OFFICE: AJV-A423

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