

RADIO FIX AND HOLDING DATA RECORD

NAME: CAPE CHARLES VORTAC **STATE:** VA **COUNTRY:** US **ICAO REGION CODE:** K6
LATITUDE/LONGITUDE: 372051.14N/0755951.55W **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	CAPE CHARLES	CCV	VORTAC	L							45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CCV	VORTAC	R-210	30	18000	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	CCV	VORTAC	210.00	030.00	L	1 1/2		24000	32000		23
2	SW	CCV	VORTAC	209.00	029.00	L	1		2000	6000	4	5
3	SW	WP	WP	209.00	029.00	L		4	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
2	200	TOWER (51-001347)	371545.00N/0760044.00W	757	5D
3	200	TOWER (51-001347)	371545.00N/0760044.00W	757	5D

REASON FOR NONSTANDARD HOLDING:

PAT 1 REMAIN CLEAR OF WARNING AREA.
 PAT 2 REMAIN CLEAR OF WARNING AREA.
 PAT 3 REMAIN CLEAR OF WARNING AREA.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

CHART PAT 1 ON ENROUTE HIGH CHART
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAG VAR: 10 DEGREES WEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HENRY			KPHF	NEWPORT NEWS	VA (US)
DP	KISRR			KORF	NORFOLK	VA (US)
EN ROUTE	V1-139					(US)
EN ROUTE	V286					(US)
EN ROUTE	V38					(US)
IAP	LOC RWY 3			KMFV	MELFA	VA (US)
IAP	RNAV (GPS) RWY 21			KMFV	MELFA	VA (US)
IAP	VOR/DME RWY 3			KMFV	MELFA	VA (US)
IAP	ILS OR LOC RWY 07			KPHF	NEWPORT NEWS	VA (US)
IAP	ILS OR LOC RWY 25			KPHF	NEWPORT NEWS	VA (US)
IAP	LOC RWY 20			KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV (GPS) RWY 20			KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV (GPS) RWY 25			KPHF	NEWPORT NEWS	VA (US)
IAP	ILS OR LOC RWY 23			KORF	NORFOLK	VA (US)
IAP	ILS OR LOC RWY 5		2	KORF	NORFOLK	VA (US)
IAP	RNAV (GPS) RWY 14			KORF	NORFOLK	VA (US)
IAP	RNAV (GPS) RWY 32			KORF	NORFOLK	VA (US)
IAP	RNAV (GPS) Z RWY 23			KORF	NORFOLK	VA (US)
IAP	RNAV (GPS) Z RWY 5		3	KORF	NORFOLK	VA (US)
IAP	RNAV (RNP) Y RWY 5		3	KORF	NORFOLK	VA (US)
IAP	GPS RWY 1			KW75	SALUDA	VA (US)
IAP	RNAV (GPS)-B			KTGI	TANGIER	VA (US)
IAP	VOR/DME-A			KTGI	TANGIER	VA (US)
STAR	SMYRNA			KDOV	DOVER	DE (US)
STAR	ARGAL			KRDU	RALEIGH/DURHAM	NC (US)
STAR	TERKS			KORF	NORFOLK	VA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 06/22/2017

QUALITY
4
CHECKED

REASON FOR REVISION:
UPDATED FIX USE FOR KPHF.

DEVELOPED BY: **DATE:** 01/25/2017 **OFFICE:** AJV-5412 **NAME:** GEORGETTE BARNETT

APPROVED BY: **DATE:** **OFFICE:** AJV-5420 **NAME:** JULIE MORGAN

SIGNATURE:

DISTRIBUTION: **NFDC**
 FPO: EST
 ARTCC: ZDC
 ATC FACILITY: ORF APP CON/PHF ATCT
 OTHER:

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HARCUM VORTAC STATE: VA COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 372655.18N/0764240.87W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION:

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	HARCUM	HCM	VORTAC	L							17500

HOLDING: HOLDING TYPE OF ACTION:

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	SE	HCM	VORTAC	155.00	335.00	R	1		1700	6000	4	5
2	W	HCM	VORTAC	283.60	103.60	L	1		2000	14000	4	10
3	W	WP	WP	283.60	103.60	L		4	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	373039.00N/0764045.00W	332	4E
1	310	TOWER (51-000309)	371234.00N/0763234.00W	568	5D
2	200	TOWER (51-001121)	372701.00N/0764852.00W	405	5D
3	200	TOWER (51-001121)	372701.00N/0764852.00W	405	5D

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST.
 PAT 3 ATC REQUEST.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	LOC RWY 10	KFYJ	WEST POINT	VA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAG VAR: W07

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HENRY			KPHF	NEWPORT NEWS	VA (US)
DP	KISRR			KORF	NORFOLK	VA (US)
DP	COLIN			KRIC	RICHMOND	VA (US)
EN ROUTE	J193					(US)
EN ROUTE	J24					(US)
EN ROUTE	V33					(US)
EN ROUTE	V38					(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 25		2	KPHF	NEWPORT NEWS	VA (US)
IAP	ILS OR LOC RWY 7		2	KPHF	NEWPORT NEWS	VA (US)
IAP	LOC RWY 20		2	KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV (GPS) RWY 2			KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV (GPS) RWY 20			KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV (GPS) RWY 25			KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV (GPS) RWY 7			KPHF	NEWPORT NEWS	VA (US)
IAP	ILS OR LOC RWY 23			KORF	NORFOLK	VA (US)
IAP	ILS OR LOC RWY 5			KORF	NORFOLK	VA (US)
IAP	RNAV (GPS) RWY 14			KORF	NORFOLK	VA (US)
IAP	VOR/DME RWY 14			KORF	NORFOLK	VA (US)
IAP	VOR/DME RWY 32			KORF	NORFOLK	VA (US)
IAP	VOR RWY 23			KPTB	PETERSBURG	VA (US)
IAP	RNAV (GPS) RWY 29			KW96	QUINTON	VA (US)
IAP	ILS OR LOC RWY 02			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	VOR RWY 2			KRIC	RICHMOND	VA (US)
IAP	VOR RWY 34			KRIC	RICHMOND	VA (US)
IAP	GPS RWY 1			KW75	SALUDA	VA (US)
IAP	RNAV (GPS) RWY 28			KXSA	TAPPAHANNOCK	VA (US)
IAP	LOC RWY 10		1	KFYJ	WEST POINT	VA (US)
IAP	VOR-A		1	KFYJ	WEST POINT	VA (US)
IAP	RNAV (GPS) - C		3	KJGG	WILLIAMSBURG	VA (US)
IAP	VOR-B		2	KJGG	WILLIAMSBURG	VA (US)
IAP	RNAV (GPS) RWY 23			KW94	WILLIAMSBURG	VA (US)
IAP	RNAV (GPS) RWY 5			KW94	WILLIAMSBURG	VA (US)

STAR	IRONS	KDCA	WASHINGTON	DC (US)
STAR	SMYRNA	KDOV	DOVER	DE (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	KSFQ	SUFFOLK	VA (US)
STAR	TERKS	KNTU	VIRGINIA BEACH	VA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

UPDATED FIX USE FOR KPHF AIRPORT.

ADDED ASSIGNED FACILITY MAG VAR TO REMARKS.

DEVELOPED BY: **DATE:** 01/25/2017 **OFFICE:** AJV-5412 **NAME:** GEORGETTE BARNETT

APPROVED BY: **DATE:** **OFFICE:** AJV-5420 **NAME:** JULIE MORGAN

SIGNATURE:

DISTRIBUTION: **NFDC**
 FPO: EST
 ARTCC: ZDC
 ATC FACILITY: POTOMAC APP CON
 OTHER: USAASA

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HASBA

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 371432.34N/0761604.60W

TYPE: WP, 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	NEWPORT NEWS	I-DHY	LOC		066.81	057.81	11.61	13.39	2000	4500
2	HARCUM	HCM	VORTAC	L	127.10	120.10		24.56	2000	4500
3	NORFOLK	ORF	VORTAC	H	358.23	351.23		21.25	2000	4500
4	CAPE CHARLES	CCV	VORTAC	L	254.10	244.10		14.40	2000	4500

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 ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NE		WP	066.94	246.94			2000	6000	4	6
2	NE	I-DHY	LOC/DME	066.81	246.81	R	1	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	371933.00N/0761621.00W	223	4E
2	200	AAO	371933.00N/0761621.00W	223	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

NEWPORT NEWS (FAC 1) AND HARCUM (FAC 2) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 I-DHY DME COORDINATES 370824.42N/0762825.64W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 25	1, 2, 3, 4	2	KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV(GPS) RWY 25		1	KPHF	NEWPORT NEWS	VA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

UPDATED I-DHY DME COORDINATES IN REMARKS.
 ADDED "NEWPORT NEWS (FAC 1) AND HCM (FAC 2) USED TO ESTABLISHED FIX COORDINATES" IN REMARKS.

03/28/17: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/15/2016. (GPB)
 FIX MAKE-UP FACILITIES: ADDED FAC 4 CCV VORTAC INFORMATION - NAME:CAPE CHARLES IDEN:CCV TYPE:VORTAC CLASS:L MAG BRG:254.10 TRUE BRG:244.10 DIST FROM FAC NM: 14.40 MRA:2000 MAA:4500.
 FIX USE: ILS OR LOC RWY 25 - ADDED FAC 4

DEVELOPED BY: DATE: 10/21/2016

OFFICE: AJV-5412

NAME: GEORGETTE BARNETT

APPROVED BY: DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
 FPO: EST
 ARTCC: ZDC
 ATC FACILITY: ORF APP CON/PHF ATCT
 OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: STEVE

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 371123.51N/0762221.08W

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	NEWPORT NEWS	I-DHY	LOC		066.81	057.81	5.70	7.48	45442	2000	4500
2	HARCUM	HCM	VORTAC	L	140.62	133.62		22.44		2000	4500
3	NORFOLK	ORF	VORTAC	H	342.19	335.19		19.68		2000	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

NEWPORT NEWS (FAC 1) AND HARCUM (FAC 2) USED TO ESTABLISH FIX COORDINATES
I-DHY DME COORDINATES 370824.42N/0762825.64W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 25	1, 2, 3		KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV(GPS) RWY 25			KPHF	NEWPORT NEWS	VA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 03/02/2017

REASON FOR REVISION:

FIX MOVED .10 NM NORTHEAST.
UPDATED FIX COORDINATES.

FAC 1 DME DISTANCE CHANGED FROM 5.60 TO 5.70, DISTANCE FROM FAC NM/FEET CHANGED FROM 7.38/44857 TO 7.48/45442.

FAC 2 MAG/TRUE BRG CHANGED FROM 140.86/133.86 TO 140.62/133.62, DIST FROM FAC CHANGED FROM 22.42 TO 22.44.

FAC 3 MAG/TRUE BRG CHANGED FROM 341.92/334.92 TO 342.19/335.19, DIST FROM FAC CHANGED FROM 19.67 TO 19.68.

UPDATED I-DHY DME COORDINATES IN REMARKS.

DEVELOPED BY:

DATE: 10/21/2016

OFFICE: AJV-5412

NAME: GEORGETTE BARNETT

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: ORF APP CON/PHF ATCT
OTHER:

QUALITY
4
CHECKED