

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** ARDEB

**STATE:** VA

**COUNTRY:** US

**ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 363534.19N/0762318.34W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** MODIFY

**HOLDING:**

**HOLDING TYPE OF ACTION:** MODIFY

**FIX USE:**

**USE TYPE**  
IAP

**USE TITLE**  
RNAV (GPS) Z RWY 5

**FAC**

**PAT**

**AIRPORT IDENT**  
KORF

**CITY**  
NORFOLK

**STATE**  
VA (US)

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1

**DATE OF REVISION:** 08/25/2011

**REASON FOR REVISION:**

UPDATED FIX USE  
REMOVED FAC 1  
REMOVED HOLDING

**DEVELOPED BY:**

**DATE:** 02/17/2011

**OFFICE:** AJV-354

**NAME:** CHARLES SCHNEIDER

**APPROVED BY:**

**DATE:** 06/20/2011

**OFFICE:** AJV-352

**NAME:** DARRYEL ADAMS

**SIGNATURE:**

**DISTRIBUTION:**

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

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** CALEY

**STATE:** VA

**COUNTRY:** US

**ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 364427.24N/0762052.36W

**TYPE:** WP, RADAR, 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	NORFOLK	I-ORF	LOC/DME		226.79	217.79	12.63	12.63		2100	4500
2	NORFOLK	ORF	VORTAC	H	225.20	218.20	11.51	11.51		2000	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	ORF	VORTAC	225.20	045.20	R	1		2000	4000	4	4
2	SW		WP	225.20	045.20	R		4	2000	4000	4	5

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (51-000205)	364520.00N/0762306.00W	516	5D
2	200	TOWER (51-000205)	364520.00N/0762306.00W	516	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
IAP	ILS OR LOC RWY 23	1, 2	1	KORF	NORFOLK	VA (US)
IAP	ILS OR LOC RWY 5	1, 2		KORF	NORFOLK	VA (US)
IAP	RNAV (GPS) Z RWY 23		2	KORF	NORFOLK	VA (US)
IAP	RNAV (GPS) Z RWY 5			KORF	NORFOLK	VA (US)
IAP	RNAV (RNP) Y RWY 23		2	KORF	NORFOLK	VA (US)
IAP	RNAV (RNP) Y RWY 5			KORF	NORFOLK	VA (US)

**REQUIRED CHARTING:** IAP, CONTROLLER

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 7

**DATE OF REVISION:** 05/31/2012

**REASON FOR REVISION:**

FAC 1 MRA RAISED TO 2100, DUE TO LOCALIZER RESTRICTION.

**DEVELOPED BY:**

**DATE:** 04/05/2012

**OFFICE:** AJV-352

**NAME:** HOWARD HAWKINS

**APPROVED BY:**

**DATE:** 04/12/2012

**OFFICE:** AJV-352

**NAME:** DARRYEL ADAMS

**SIGNATURE:**

**DISTRIBUTION:**

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

# 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:** 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	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

## CONTROLLING OBSTRUCTIONS:

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

## REASON FOR NONSTANDARD HOLDING:

PAT 2 REMAIN CLEAR OF WARNING AREA.  
 PAT 1 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					(US)
EN ROUTE	V139					(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 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	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:** 14 **DATE OF REVISION:** 10/12/2017

## REASON FOR REVISION:

1. REMOVED HOLDING PATTERN 3 - NO LONGER UTILIZED ON PROCEDURES.  
 2. UPDATED FIX USE: CHANGED KMFV IAP VOR/DME RWY 3 TO VOR RWY 3, CHANGED EN ROUTE V1-139 TO V1, ADDED EN ROUTE V139 (US), AND DELETED IAP RNAV (RNP) Y RWY 5, PAT 3, KORF, NORFOLK, VA(US) AND IAP RNAV (GPS) Z RWY 5, PAT 3, NORFOLK, VA(US).

**DEVELOPED BY:**      **DATE:** 05/03/2017      **OFFICE:** AJV-5422      **NAME:** JOHN THORNTON  
**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: ELIZABETH CITY VOR/DME STATE: NC COUNTRY: US ICAO REGION CODE: K7  
 LATITUDE/LONGITUDE: 361527.27N/0761032.16W 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	MAA
1	ELIZABETH CITY	ECG	VOR/DME	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	N	ECG	VOR/DME	004.00	184.00	R	1	1600 6000	4 5
2	W	ECG	VOR/DME	271.00	091.00	L	1	1600 6000	4 5
3	SW	ECG	VOR/DME	229.53	049.53	L	1	4000 6000	13 13

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (37-002217)	361825.00N/0761609.00W	542	5D
2	200	TOWER (37-002217)	361825.00N/0761609.00W	542	5D
3	310	TOWER (37-002114)	360600.00N/0762830.00W	549	2C

## REASON FOR NONSTANDARD HOLDING:

PAT 2 AIRSPACE REQUIREMENTS  
 PAT 3 AIRSPACE REQUIREMENTS

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	VOR/DME A	KONX	CURRITUCK	NC (US)

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.  
 TETHERED BALLOON REMOVED FROM DATA BASE BUT CAN BE DEPLOYED WHEN NOTAMED ACTIVE.  
 PATTERN 3 AIRSPACE OVERLIES R-5301 WHEN HOLDING ABOVE 4000.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	AR 8					(US)
EN ROUTE	V 266					(US)
EN ROUTE	V 310					(US)
EN ROUTE	V 472					(US)
IAP	VOR/DME A		3	KONX	CURRITUCK	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			KECG	ELIZABETH CITY	NC (US)
IAP	NDB RWY 10			KECG	ELIZABETH CITY	NC (US)
IAP	RNAV (GPS) RWY 19			KECG	ELIZABETH CITY	NC (US)
IAP	VOR/DME RWY 10		2	KECG	ELIZABETH CITY	NC (US)
IAP	VOR/DME RWY 19		1	KECG	ELIZABETH CITY	NC (US)
IAP	VOR/DME RWY 28			KECG	ELIZABETH CITY	NC (US)
IAP	NDB RWY 17			KMQI	MANTEO	NC (US)
IAP	NDB RWY 5			KMQI	MANTEO	NC (US)
IAP	VOR RWY 17			KMQI	MANTEO	NC (US)
IAP	RNAV (GPS) RWY 5			KCPK	CHESAPEAKE	VA (US)
IAP	ILS OR LOC RWY 5			KCPK	NORFOLK	VA (US)
IAP	RNAV (GPS) Z RWY 5			KORF	NORFOLK	VA (US)
IAP	LOC RWY 4			KSFQ	SUFFOLK	VA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 DATE OF REVISION: 04/27/2017

## REASON FOR REVISION:

1. REMOVE KECG VOR/DME RWY 1 FROM FIX USE.

DEVELOPED BY: DATE: 02/01/2017 OFFICE: AJV-5422 NAME: JIMMY HUGHES

**APPROVED BY:****DATE:** 09/27/2016**OFFICE:** AJV-5420**NAME:** JULIE MORGAN**SIGNATURE:****DISTRIBUTION:****NFDC****FPO:** EST**ARTCC:** ZDC**ATC FACILITY:** NTU/ORF APP CON**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: TECHI

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 365858.34N/0760652.21W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

**FIX USE:**  
**USE TYPE**

IAP  
IAP

**USE TITLE**

RNAV (GPS) Z RWY 5  
RNAV (RNP) Y RWY 5

**FAC**

**PAT**

**AIRPORT IDENT**

KORF  
KORF

**CITY**

NORFOLK  
NORFOLK

**STATE**

VA (US)  
VA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/25/2011

DEVELOPED BY:

DATE: 02/04/2011

OFFICE: AJV-354

NAME: CHARLES SCHNEIDER

APPROVED BY:

DATE: 06/20/2011

OFFICE: AJV-352

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZDC  
ATC FACILITY: ORF  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: WAKS

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 370301.72N/0770407.68W

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	FAC FEET	MRA	MAA
1	HOPEWELL	HPW	VORTAC	L	178.27	172.27	16.84	16.84		3000	30000
2	NORFOLK	ORF	VORTAC	H	290.08	283.08	42.82	42.82		3000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
HPW	VORTAC	R-178	17	18000	30000
ORF	VORTAC	R-290	43	3000	18000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

CHART ORF DME DISTANCE ON ENROUTE LOW AND HIGH CHARTS.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HENRY	1, 2		KPHF	NEWPORT NEWS	VA (US)
DP	CHAMBERS	1, 2		KNGU	NORFOLK	VA (US)
DP	KISRR	2		KORF	NORFOLK	VA (US)
DP	OCEANA	1		KNTU	VIRGINIA BEACH	VA (US)
EN ROUTE	V189-260	1, 2				(US)
IAP	RNAV (GPS) RWY 02			KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV (GPS) Z RWY 05			KORF	NORFOLK	VA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 06/22/2017

## REASON FOR REVISION:

REMOVED KEMV RNAV (GPS) RWY 16 FROM FIX USE.  
ADDED HPW ESV DATA.

DEVELOPED BY:

DATE: 03/24/2017

OFFICE: AJV-5423

NAME: DION LANCIA (LEO PALMER)

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZDC  
ATC FACILITY: ORF APP CON  
OTHER: NAS OCEANA TRACON