

RADIO FIX AND HOLDING DATA RECORD

NAME: CODAC

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 381924.08N/0772224.50W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	STAFFORD	I-RMN	LOC		149.16	139.16	6.50			2000	4500
2	BROOKE	BRV	VORTAC	L	240.61	231.61				2000	17500
3	SHANNON	EZF	NDB	MH	056.91	046.91				2000	4500
4	KRMN R33					139.16	5.51				17500

REMARKS:

FAC 1 DME COORDINATES 382421.00N-0772745.98W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 33, RNAV (GPS) RWY 33			KRMN	STAFFORD	VA (US)

PFAF ESTABLISHED 33468 FT FROM KRMN R33

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/29/2004

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 03/18/2003

OFFICE: AVN-110

NAME: GEORGETTE BARNETT

APPROVED BY:

DATE: 01/29/2004

OFFICE: AVN-110

NAME: TERRY DEPLOIS

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: NYC
ARTCC: ZDC
ATC FACILITY:
OTHER: PCT APP CON

RADIO FIX AND HOLDING DATA RECORD

NAME: FALKO

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 381106.69N/0772633.33W

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	FLAT ROCK	FAK	VORTAC	H	030.85	024.85	43.41	43.41		2000	17500
2	GORDONSVILLE	GVE	VORTAC	H	078.79	072.79		35.18		2000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FAK	VORTAC	R-031	44	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	FAK	VORTAC	030.85	030.85	L	1		3500	14000	8	10
2	SW		WP	030.85	030.85	L		4	4000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	210	TOWER (51-000740)	381148.00N/0773344.00W	819	5D
2	200	TOWER (51-002161)	380742.92N/0773026.15W	652	4D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

PAT 1 CHART 210K ICON
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

FLAT ROCK (FAC 1) AND GORDONSVILLE (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V155	1, 2				(US)
IAP	RNAV (GPS) RWY 2			KNYG	QUANTICO	VA (US)
IAP	RNAV (GPS) RWY 33		2	KRMN	STAFFORD	VA (US)
STAR	COATT	1	1	KIAD	WASHINGTON	DC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 12/07/2017

REASON FOR REVISION:

1. DELETED HOLDING PATTERN 3 AND ASSOCIATED DATA.
2. AMENDED PAT 1 MIN HOLDING ALTITUDE FROM 2000 TO 3500, MIN HOLDING TEMPLATE FROM 5 TO 8, AND MAX HOLDING TEMPLATE FROM 9 TO 10.
3. AMENDED PAT 1 HOLDING LEG LENGTH FROM 4 DME TO 1 MINUTE.
4. AMENDED PAT 1 CONTROLLING OBSTACLE FROM 652 MSL TOWER TO 819 MSL TOWER.
5. DELETED COATT STAR AT KHEF AND KJYO IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 06/27/2017

OFFICE: AJV-5422

NAME: PETER GUIMOND

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: NYG APP CON, POTOMAC APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: GRUBY

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 381229.37N/0771026.32W

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 NM	FAC FEET	MRA	MAA
1	RICHMOND	RIC	VORTAC	H	018.29	009.29	42.87	42.87		2000	17500
2	BROOKE	BRV	VORTAC	L	141.19	132.19	11.42	11.42		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
RIC	VORTAC	R-018	43	2000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V286	1, 2				(US)
EN ROUTE	V376	1, 2				(US)
IAP	RNAV (GPA) RWY 2			KNYG	QUANTICO	VA (US)
IAP	TACAN RWY 2	1, 2		KNYG	QUANTICO	VA (US)
IAP	RNAV (GPS) RWY 33			KRMN	STAFFORD	VA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 09/23/2010

REASON FOR REVISION:

ADDED DISTANCE FROM FACILITY FOR FAC 1 AND 2.
DELETED FAC 3 (WP).
FAC 2 MRA CHANGED FROM 6000 TO 3000.
UPDATED ESV INFORMATION.
UPDATED FIX USE.
UPDATED SIGNATURE BLOCKS.

INITIATED BY:

DATE: 05/15/2009

ORGANIZATION: NAVFIG

NAME: M. S. BROWN

DEVELOPED BY:

DATE: 06/02/2010

OFFICE: AVN-110

NAME: JILL OLSON

APPROVED BY:

DATE: 08/04/2010

OFFICE: AVN-110

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: NYG APP CON
OTHER: PCT TRACON, NAVFIG

RADIO FIX AND HOLDING DATA RECORD

NAME: JAVIK

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 382145.39N/0772459.42W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	STAFFORD	I-RMN	LOC		149.16	139.16	3.39			940	4500
2	BROOKE	BRV	VORTAC	L	306.72	297.72				940	17500
3	SHANNON	EZF	NDB	MH	025.68	015.68				940	4500
4	KRMN R33					139.16	2.40				17500

REMARKS:

FAC 1 DME COORDINATES 382421.00N-0772745.98W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 33, RNAV (GPS) RWY 33				STAFFORD	VA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/29/2004

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 11/14/2003

OFFICE: AVN-110

NAME: GEORGETTE BARNETT

APPROVED BY:

DATE: 01/29/2004

OFFICE: AVN-110

NAME: TERRY DEPLOIS

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: NYC
ARTCC: ZDC
ATC FACILITY:
OTHER: PCT APP CON

RADIO FIX AND HOLDING DATA RECORD

NAME: KOBEC

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 382907.96N/0773306.06W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	KRMN R33					319.16	7.34				17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 33			KRMN	STAFFORD	VA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/30/2004

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 04/30/2004

OFFICE: AVN-110

NAME: GEORGETTE BARNETT

APPROVED BY:

DATE: 09/30/2004

OFFICE: AVN-110

NAME: GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: NYC
ARTCC: ZDC
ATC FACILITY: NYG APP CON
OTHER: PCT TRACON

RADIO FIX AND HOLDING DATA RECORD

NAME: PEGBY

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 380443.14N/0771203.80W

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	RICHMOND	RIC	VORTAC	H	018.29	009.29	35.00	35.00		2000	29000
2	GORDONSVILLE	GVE	VORTAC	H	090.77	084.77		45.29		8000	45000
3	CASANOVA	CSN	VORTAC	H	142.87	136.87		46.04		8000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GVE	VORTAC	R-091	46	8000	14500
CSN	VORTAC	R-143	47	8000	14500

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	S	RIC	VORTAC	018.29	018.29	L	1-1 1/2		6000	20000	8	19
2	S	RIC	VORTAC	018.29	018.29	R	1-1 1/2		6000	20000	8	19
3	S		WP	200.29	020.29	L		11	17000	20000	18	19

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	210	TOWER (51-001688)	375756.00N/0772218.00W	645	4D
2	210	TOWER (51-002211)	380632.20N/0770719.90W	486	4D
3	230	TOWER (51-001056)	374431.77N/0771514.15W	991	3C

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:

PAT 1 CHART 210K ICON
PAT 2 CHART 210K ICON
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

RICHMOND (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V376	1				(US)
IAP	RNAV (GPS) RWY 33			KRMN	STAFFORD	VA (US)
STAR	IRONS	1, 2, 3	2	KDCA	WASHINGTON	DC (US)
STAR	NOTTINGHAM	1	1	KBWI	BALTIMORE	MD (US)
STAR	RAVNN (RNAV)		3	KBWI	BALTIMORE	MD (US)
STAR	NOTTINGHAM	1	1	KMTN	BALTIMORE	MD (US)
STAR	RAVNN (RNAV)		3	KMTN	BALTIMORE	MD (US)
STAR	IRONS	1, 2, 3	2	KADW	CAMP SPRINGS	MD (US)
STAR	IRONS	1, 2, 3	2	KW32	CLINTON	MD (US)
STAR	IRONS	1, 2, 3	2	KCGS	COLLEGE PARK	MD (US)
STAR	IRONS	1, 2, 3	2	KVKX	FRIENDLY	MD (US)
STAR	IRONS	1, 2, 3	2	K2W5	INDIAN HEAD	MD (US)
STAR	IRONS	1, 2, 3	2	KW00	MITCHELLVILLE	MD (US)
STAR	NOTTINGHAM	1	1	KDMW	WESTMINSTER	MD (US)
STAR	IRONS	1, 2, 3	2	KDAA	FORT BELVOIR	VA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 01/08/2015

REASON FOR REVISION:

ADDED INT TO FIX TYPE.
ADDED FAC 1 DIST FROM FACILITY 35.00 NM.
DELETED FIX GRUBY FROM FAC 2 AND ADDED GVE VORTAC AND ALL ASSOCIATED DATA.
ADDED FAC 3 CSN VORTAC AND ALL ASSOCIATED DATA.
ADDED GVE AND CSN VORTAC ESV DATA.
MOVED PAT 2 WP HOLDING TO PAT 3, AMENDED CONTROLLING OBSTRUCTION AND ASSOCIATED DATA AND ADDED REASON FOR NONSTANDARD HOLDING.
ADDED PAT 2 AND ALL ASSOCIATED DATA.
PAT 1 CONTROLLING OBSTRUCTION I.D. AND ACCURACY CODE UPDATED.
HOLDING LIMITED TO ESTABLISHED PATTERN AND CHART 210 KIAS ICON ON ENROUTE LOW MOVED FROM REMARKS TO HOLDING RESTRICTIONS.
ADDED REMARK: PRECIPITOUS TERRAIN EVALUATION COMPLETED AND RICHMOND (FAC 1) USED TO ESTABLISH FIX COORDINATES.
FIX USE UPDATED.

11/12/2014 THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 07/21/2014
RAISED FAC 1 AND FAC 2 MRA FROM 2500 TO 8000.
RAISED ESV 1 AND ESV 2 MIN ALT FROM 2500 TO 8000.
ADDED PAT 1 AND PAT 2 TO 210 KIAS ICON REMARK.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 07/21/2014	OFFICE: AJV-352	NAME: MICHAEL DOJCAK
APPROVED BY:	DATE: 01/08/2015	OFFICE: AJV-352	NAME: SUE CRUMB
SIGNATURE:			

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

RADIO FIX AND HOLDING DATA RECORD

NAME: RISVE

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 381437.40N/0771710.94W

TYPE: WP

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	KRMN R33					139.16	11.81				17500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 33			KRMN	STAFFORD	VA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/30/2004

REASON FOR REVISION:

REPLACED BROOKE (BRV) FAC 1 WITH RW33 INFORMATION.
REVISED AIR/GROUND COMM INFORMATION.
DELETED HOLDING.
MOVED LOCATION OF FIX (16,461.22' SOUTH) TO ALIGN WITH FINAL COURSE.
REVISED LAT/LONG.

CONCURRENT WITH PUBLICATION OF STAFFORD REGIONAL, STAFFORD, VA RNAV (GPS) RWY 33

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 05/05/2004

OFFICE: AVN-110

NAME: GEORGETTE BARNETT

APPROVED BY:

DATE: 09/30/2004

OFFICE: AVN-110

NAME: GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: NYC
ARTCC: ZDC
ATC FACILITY: NYG APP CON
OTHER: PCT TRACON

RADIO FIX AND HOLDING DATA RECORD

NAME: TECOV

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 382105.66N/0773638.87W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	KOBEC					199.16	8.50				17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 33			KRMN	STAFFORD	VA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/30/2004

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 04/30/2004

OFFICE: AVN-110

NAME: GEORGETTE BARNETT

APPROVED BY:

DATE: 09/30/2004

OFFICE: AVN-110

NAME: GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: NYC
ARTCC: ZDC
ATC FACILITY: NYG APP CON
OTHER: PCT TRACON

RADIO FIX AND HOLDING DATA RECORD

NAME: ZUNAR

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 380520.94N/0770031.60W

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	FAC FEET	MRA	MAA
1	CAPE CHARLES	CCV	VORTAC	L	323.03	313.03	65.52	65.52		5000	17500
2	RICHMOND	RIC	VORTAC	H	031.75	022.75		38.16		2000	17500
3	BROOKE	BRV	VORTAC	L	141.20	132.20	22.00	22.00		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CCV	VORTAC	R-323	66	5000	17500

FIX RESTRICTIONS:

MCA V286 5000 SOUTHEAST BOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V286					
IAP	RNAV (GPS) RWY 33			KRMN	STAFFORD	VA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 10/22/2009

REASON FOR REVISION:

INCREASED FAC 1 (CCV) MRA FROM 20 TO 50 BASED ON 11/25/08 ESV FLT CHK.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 04/06/2009

OFFICE: AVN-110

NAME: MARK ADAMS

APPROVED BY:

DATE: 08/07/2009

OFFICE: AVN-110

NAME: PETER GETZ

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: NYG APP CON
OTHER: PCT TRACON