

INFORMATION ONLY**RADIO FIX AND HOLDING DATA RECORD**

NAME: BROSS

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391128.40N/0755249.88W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 19-ASO-27

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	WOODSTOWN	OOD	VORTAC	L	235.38	225.38	37.84	37.84		2000	45000
2	SMYRNA	ENO	VORTAC	L	271.00	262.00	17.17	17.17		2000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
OOD	VORTAC	R-235	38	18000	45000
ENO	VORTAC	R-271	18	18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

WOODSTOWN (FAC 1) AND SMYRNA (FAC 2) USED TO ESTABLISH FIX COORDINATES
CONTROLLER LOW PER ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	WOOLY (RNAV)			KIAD	WASHINGTON	DC (US)
DP	SWANN	1, 2		KBWI	BALTIMORE	MD (US)
DP	PTOMC (RNAV)			KJYO	LEESBURG	VA (US)
EN ROUTE	Q419					(US)
EN ROUTE	T358					(US)
EN ROUTE	V268	1, 2				(US)
IAP	RNAV (GPS) RWY 12			KRJD	RIDGELY	MD (US)
STAR	ARLFT (RNAV)			KDOV	DOVER	DE (US)
STAR	ARLFT (RNAV)			K33N	DOVER/CHESWOLD	DE (US)
STAR	ARLFT (RNAV)			KILG	WILMINGTON	DE (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 11/05/2020

REASON FOR REVISION:

UPDATED AIRSPACE DOCKET: 19-ASO-27.
FIX USE: DELETED J42, J150 ENROUTE - NPA CNX.
FIX USE: ADDED STAR, ARLFT (RNAV) TO K33N, KDOV, KILG.
REQUIRED CHARTING: ADDED STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: HEIDI SNIDER

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

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

INFORMATION ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: COLIN

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 380559.23N/0763950.85W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 19-ASO-27

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	HARCUM	HCM	VORTAC	L	010.28	003.28	39.09	39.09	4000	17500
2	NOTTINGHAM	OTT	VORTAC	L	184.00	174.00	36.53	36.53	10000	45000
3	PATUXENT	PXT	VORTAC	L	238.00	228.00	16.82	16.82	5000	45000
4	BROOKE	BRV	VORTAC	L	122.31	113.31		35.52	4000	45000
5	RICHMOND	RIC	VORTAC	H	049.87	040.87	47.49	47.49	4000	17500
6	GORDONSVILLE	GVE	VORTAC	H	091.35	085.35		70.75	14500	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
OTT	VORTAC	R-184	37	18000	45000
PXT	VORTAC	R-238	17	18000	45000
BRV	VORTAC	R-122	36	18000	45000
RIC	VORTAC	R-050	48	4000	14700
GVE	VORTAC	R-091	71	14500	45000

FIX RESTRICTIONS:

MCA V33 10000 NORTHBOUND
MCA V20 10000 NORTHBOUND

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	PXT	VORTAC	238.00	058.00	R	1	5000 18000	5 17
2	SW	PXT	VORTAC	238.00	058.00	L	1	6000 45000	9 31
3	W		WP	260.72	080.72	R		5000 6000	6 6
4	SW		WP	238.00	058.00	L		6000 17000	6 17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (51-001270)	380530.00N/0764738.00W	458	2C
2	230	TOWER (51-022581)	380839.09N/0764818.51W	465	5D
3	200	TOWER (51-001270)	380530.00N/0764738.00W	458	2C
3	310	TOWER (51-000639)	375719.39N/0763824.03W	562	2C
4	230	AAO	375851.00N/0764348.00W	381	4E

REASON FOR NONSTANDARD HOLDING:

PAT 4 ATC REQUEST
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PAT 1: PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-4005, R-4006, R-4007, AND R-6613A.
PAT 2: PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-4005, R-4006, R-6613A, AND R-6611A.
PAT 3: PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-4005 AND R-4006.
PAT 4: PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-4005, R-4006, R-4007, AND R-6613A.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	RNAV (GPS) RWY 29	K2W6	LEONARDTOWN	MD (US)

REMARKS:

HARCUM (FAC 1) AND BROOKE (FAC 4) USED TO ESTABLISH FIX COORDINATES
CHART PAT 1 ENROUTE LOW, CHART PAT 2 ENROUTE HIGH
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BOOCK (RNAV)			KDCA	WASHINGTON	DC (US)
DP	HOLTB (RNAV)			KDCA	WASHINGTON	DC (US)
DP	NATIONAL			KDCA	WASHINGTON	DC (US)
DP	JCOBY (RNAV)			KIAD	WASHINGTON	DC (US)
DP	CONLE (RNAV)			KBWI	BALTIMORE	MD (US)
DP	CONLE (RNAV)			KMTN	BALTIMORE	MD (US)
DP	CONLE (RNAV)			KESN	EASTON	MD (US)
DP	CONLE (RNAV)			KFDK	FREDERICK	MD (US)
DP	CONLE (RNAV)			KGAI	GAITHERSBURG	MD (US)
DP	CONLE (RNAV)			KDMW	WESTMINSTER	MD (US)
DP	COLIN			KRIC	RICHMOND	VA (US)
EN ROUTE	V157	1, 4, 5	3			(US)

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EN ROUTE	V16	3	1			(US)
EN ROUTE	V20	2, 3	1			(US)
EN ROUTE	V213	3	1			(US)
EN ROUTE	V33	1, 2				(US)
IAP	RNAV (GPS) RWY 29		3	K2W6	LEONARDTOWN	MD (US)
STAR	ARLFT (RNAV)		4	KDOV	DOVER	DE (US)
STAR	ARLFT (RNAV)		4	K33N	DOVER/CHESWOLD	DE (US)
STAR	ARLFT (RNAV)		4	KILG	WILMINGTON	DE (US)
STAR	KORRY	3, 4, 6	2	KLGA	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16

DATE OF REVISION: 11/05/2020

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 19-ASO-27.

FIX RESTRICTIONS: REMOVED T318 MCA - NOT YET PUBLISHED.

FIX USE: REMOVED J14 AND J61. REMOVED T318 - NOT YET PUBLISHED. ADDED ARLFT (RNAV) STAR AND ASSOCIATED PAT 4. REMOVED KDOV SMYRNA STAR.

REQUIRED CHARTING: ADDED MILITARY STAR.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** BARRY SMITH

APPROVED BY: **DATE:** **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

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