

RADIO FIX AND HOLDING DATA RECORD

NAME: BGBRO

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391134.49N/0771750.59W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	ZAGIB					103.81	3.75				17500

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP				KIAD	WASHINGTON	DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/30/2007

REASON FOR REVISION:

THIS IS A CORRECTED FORM ORIGINALLY DEVELOPED ON 04/18/2007:
COORDINATES CHANGED FROM 391832.78N/0772715.78W TO 391134.49N/0771750.50W
NAME CHANGED FROM SIDOE TO BGBRO (NACO REQUEST)

INITIATED BY: DATE: ORGANIZATION: NAME:

DEVELOPED BY: DATE: 04/18/2007 OFFICE: AVN-101 NAME: KEITH BUTCHER

APPROVED BY: DATE: 05/16/2024 OFFICE: NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA

Feb 22, 2024

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: IAD APP CON, PCT APP CON
OTHER:

QUALITY
34
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BLUES

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 384745.11N/0775427.08W

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	ARMEL	AML	VOR/DME	L	256.21	248.21	22.27	22.27	4000	17500
2	CASANOVA	CSN	VORTAC	H	354.00	348.00		9.48	4000	17500
3	LINDEN	LDN	VORTAC	L	110.00	104.00		14.41	4000	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	W	AML	VOR/DME	256.21	076.21	R	1	4000 10000	7 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	384536.00N/0770954.00W	2589	4E

REMARKS:

CHART AS WAYPOINT ON ENROUTE HIGH, ATC COORDINATION FIX.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CAPITAL			KIAD	WASHINGTON	DC (US)
IAP	VOR/DME RWY 12	1, 2, 3	1	KIAD	WASHINGTON	DC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

REMOVED RNAV (RNP) RWY 19C FROM FIX USE
REPLACED CONTROLLER WITH CONTROLLER LOW/HIGH
HOLDING PATTERN ASSOCIATION 1,WP,03/21/2024 DELETED

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOSEPH BLANCO

APPROVED BY:

DATE: 03/21/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Feb 22, 2024

QUALITY
34
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CIREP

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390504.91N/0772727.59W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	KIAD R19C					000.65	6.84				17500

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP				KIAD	WASHINGTON	DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/05/2008

REASON FOR REVISION:

FAC 1 RWY DESIGNATION CHNAGED FROM 19R TO 19C.

FIX USE UPDATED.

CHART PUBLICATION UPDATED.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 11/19/2007

OFFICE: AVN-110

NAME: PETER GETZ (KELLY DEAN)

APPROVED BY:

DATE: 05/16/2024

OFFICE:

NAME: CASIMIR TABAKA

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZDC

ATC FACILITY: IAD APP CON, PCT APP CON

OTHER:

Digitally signed by

CASIMIR L TABAKA

Feb 22, 2024

QUALITY
34
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CRVER STATE: VA COUNTRY: US ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391839.24N/0774055.79W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	YYANG					270.67	11.71			17500

HOLDING: HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP				KIAD	WASHINGTON	DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG DATE OF REVISION: 08/30/2007

REASON FOR REVISION:

THIS IS A CORRECTED COPY OF FORM ORIGINALLY DEVELOPED ON 04/18/07:
FAC 1 NAME CHANGED FROM LEBRE TO YYANG.

INITIATED BY: DATE: ORGANIZATION: NAME:

DEVELOPED BY: DATE: 04/17/2007 OFFICE: AVN-101 NAME: KEITH BUTCHER

APPROVED BY: DATE: 05/16/2024 OFFICE: NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA

Feb 22, 2024

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

QUALITY
34
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DRUZZ

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390948.28N/0782128.71W

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	KESSEL	ESL	VOR/DME	L	103.00	097.00	29.69	29.69	5000	29000
2	LINDEN	LDN	VORTAC	L	345.00	339.00		19.85	5000	29000
3	ARMEL	AML	VOR/DME	L	296.50	288.50	43.86	43.86	11000	29000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ESL	VOR/DME	R-103	30	5000	29000
LDN	VORTAC	R-345	20	18000	29000
AML	VOR/DME	R-297	44	11000	29000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	W	ESL	VOR/DME	103.00	103.00	L	10	11000	20000	15	15

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	391214.60N/0784714.90W	3270	6C

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

KESSEL (FAC 1) AND LINDEN (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPTIOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J30	1, 2				(US)
EN ROUTE	J34	1, 2				(US)
EN ROUTE	V4	1, 2				(US)
IAP	RNAV (GPS) RWY 12			KIAD	WASHINGTON	DC (US)
STAR	NUMMY	1, 3	1	KDCA	WASHINGTON	DC (US)
STAR	NUMMY	1, 3	1	KADW	CAMP SPRINGS	MD (US)
STAR	NUMMY	1, 3	1	KDAA	FORT BELVOIR	VA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

REMOVED KIAD RNAV (RNP) Z RWY 19C, 19L, 1C, 1R FROM FIX USE
REMOVED KIAD RNAV (GPS) Y RWY 19C, 19L FROM FIX USE
REMOVED KIAD RNAV (GPS) RWY 19R FROM FIX USE
REPLACED CONTROLLER WITH CONTROLLER LOW/HIGH

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOSEPH BLANCO

APPROVED BY:

DATE: 03/21/2024

OFFICE: AVJ-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Feb 22, 2024

QUALITY
34
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MULRR

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 393753.12N/0772008.51W

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	MRA	MAA
1	MARTINSBURG	MRB	VORTAC	L	065.08	058.08	28.00	28.00	5000	17500
2	ARMEL	AML	VOR/DME	L	016.27	008.27	42.22	42.22	5000	17500
3	WESTMINSTER	EMI	VORTAC	VH	304.38	296.38		18.48	5500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
AML	VOR/DME	R-016	43	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	HOLDING ALTITUDES MIN DME	MAX	TEMPLATES MIN	MAX
1	NE	MRB	VORTAC	065.08	245.08	L	1	5000	14000	7	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	210	AAO	393618.00N/0772755.00W	1967	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 REMAIN EAST OF OF R4009/P40

HOLDING RESTRICTIONS:

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

REMARKS:

MARTINSBURG (FAC 1) AND ARMEL (FAC 2) USED TO ESTABLISH FIX COORDINATES.
CHART 210 KIAS ICON ENROUTE LOW
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-4009 AND P-40

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V143	1, 2, 3	1			(US)
EN ROUTE	V39	1, 2, 3	1			(US)
IAP	RNAV (GPS) Y RWY 23			KFDK	FREDERICK	MD (US)
IAP	RNAV (GPS) Z RWY 23			KFDK	FREDERICK	MD (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

FAC 3 EMI CLASS CHANGED FROM H TO VH
REMOVED RNAV (RNP) RWY 19C, 19L FROM FIX USE
REMOVED RNAV (GPS) RWY 19C, 19L, 19R FROM FIX USE
REPLACED CONTROLLER WITH CONTROLLER LOW

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOSEPH BLANCO

APPROVED BY:

DATE: 03/21/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Feb 22, 2024

QUALITY
34
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TRING

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390200.00N/0772051.60W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
CAVLR (RNAV)

FAC

PAT

AIRPORT IDENT
KIAD

CITY
WASHINGTON

STATE
DC (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

REMOVED RNAV (RNP) Z RWY 19C AND 19L FROM FIX USE
REMOVED IAP FROM REQUIRED CHARTING

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOSEPH BLANCO

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Feb 22, 2024

QUALITY
34
CHECKED