

RADIO FIX AND HOLDING DATA RECORD

NAME: BOPAC

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 385317.86N/0772737.87W

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	KIAD R19C					180.65	4.94				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 CHANGED 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: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZDC

ATC FACILITY: IAD APP CON, PCT APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: BOYDS

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391231.01N/0772721.08W

TYPE: WP, INT, DME

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	WASHINGTON	I-DLX	LOC		010.65	000.65		16.26	4000	4700
2	ARMEL	AML	VOR/DME	L			16.43	16.43	4000	17500
3	MARTINSBURG	MRB	VORTAC	L	127.00	120.00		21.14	4000	17500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

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		WP	010.65	190.65	R	4	3000 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	391546.20N/0772323.30W	1428	2A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITIOUS TERRAIN EVALUATION COMPLETED.
MRA AT 4000 TO FACILITATE TEMPORARY AIRSPACE REDESIGN WHEN DESIRED BY ATC.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC/DME RWY 19C	1, 2, 3		KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19C (CAT II)	1, 2, 3		KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19C (CAT III)	1, 2, 3		KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 1C		1	KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19C			KIAD	WASHINGTON	DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 12/10/2015

REASON FOR REVISION:

REMOVED CONVERGING ILS RWY 19C FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 06/10/2015

OFFICE: AJV-5412

NAME: MIKE MELSSSEN

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: BULGR

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391859.48N/0772858.89W

TYPE: WP, RADAR

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

IAP
IAP
IAP
IAP

ILS OR LOC RWY 19C
ILS RWY 19C (CAT II - III)
RNAV (GPS) Y RWY 19C
RNAV (RNP) Z RWY 19C

KIAD
KIAD
KIAD
KIAD

WASHINGTON
WASHINGTON
WASHINGTON
WASHINGTON

DC (US)
DC (US)
DC (US)
DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/16/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 03/21/2024

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: CHDMN

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391259.12N/0772720.70W

TYPE: WP, RADAR, 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 FAC NM	MRA	MAA
1	WASHINGTON	I-DLX	LOC		010.65	000.65	16.90	16.73	5000	6000
2	ARMEL	AML	VOR/DME	L	009.73	001.73	16.90	16.90	4000	6000
3	MARTINSBURG	MRB	VORTAC	L	125.89	118.89	20.91	20.91	4000	6000

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	AML	VOR/DME	011.73	191.73	R	1		4000	6000	5	6
2	N		WP	011.73	191.73	R		4	4000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	391548.00N/0772339.00W	1467	4B
1	310	AAO	393330.00N/0772930.00W	1969	4B
2	200	AAO	391548.00N/0772339.00W	1467	4B
2	310	AAO	393330.00N/0772930.00W	1969	4B

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS RWY 01C (SA CAT II)	KIAD	WASHINGTON	DC (US)
1	RNAV (RNP) Z RWY 01C	KIAD	WASHINGTON	DC (US)
1	ILS OR LOC RWY 01C	KIAD	WASHINGTON	DC (US)
2	RNAV (GPS) Y RWY 01C	KIAD	WASHINGTON	DC (US)

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 01C	2, 3	1	KIAD	WASHINGTON	DC (US)
IAP	ILS OR LOC RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	ILS OR LOC RWY 19C (CAT II - III)			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 01C (SA CAT II)	2, 3	1	KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 01C		2	KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 01C		1	KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19C			KIAD	WASHINGTON	DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/16/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: NEERAJ VERMA

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: CLARZ

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390331.15N/0772728.92W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	WASHINGTON	I-DLX	LOC		010.65	000.65		7.27	2000	4700
2	ARMEL	AML	VOR/DME	L			7.45	7.45	2000	4700

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

WASHINGTON (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 19C	1, 2		KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19C (CAT II - III)	1, 2		KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19C			KIAD	WASHINGTON	DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/16/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 03/21/2024

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: COVUL

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391626.29N/0772717.60W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	WASHINGTON	I-DLX	LOC		010.65	000.65		20.18		6000	7000
2	ARMEL	AML	VOR/DME	L			20.35	20.35		6000	7000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-DLX	LOC	R-011	21	6000	7000

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 19C	1, 2		KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19C (CAT II - III)	1, 2		KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19C			KIAD	WASHINGTON	DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/16/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: COWRR

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391931.88N/0772714.87W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	WASHINGTON	I-DLX	LOC		010.65	000.65		23.27	7000	8000
2	ARMEL	AML	VOR/DME	L			23.44	23.44	7000	8000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-DLX	LOC	R-011	24	7000	8000

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 19C	1, 2		KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19C (CAT II - III)	1, 2		KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19C			KIAD	WASHINGTON	DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/16/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: CRAKL

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390639.60N/0772726.18W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	WASHINGTON	I-DLX	LOC		010.65	000.65		10.41		3000	4700
2	ARMEL	AML	VOR/DME	L			10.58	10.58		3000	4700

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19C (CAT II - III)			KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19C			KIAD	WASHINGTON	DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/16/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 03/21/2024

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: CRLET

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 392315.86N/0772711.56W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	WASHINGTON	I-DLX	LOC		010.65	000.65		27.00	8000	9000
2	ARMEL	AML	VOR/DME	L			27.17	27.17	8000	9000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-DLX	LOC	R-011	28	8000	9000

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 19C	1, 2		KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19C (CAT II - III)	1, 2		KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19C			KIAD	WASHINGTON	DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/16/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 03/21/2024

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: CUTZZ

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390955.97N/0772723.30W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	WASHINGTON	I-DLX	LOC		010.06	000.06		13.68	4000	5000
2	ARMEL	AML	VOR/DME	L			13.68	13.68	4000	5000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-DLX	LOC	R-011	14	4700	5000

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 19C	1, 2		KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19C (CAT II - III)	1, 2		KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19C			KIAD	WASHINGTON	DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/16/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 03/21/2024

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: DIMKE

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391832.78N/0772715.78W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

IAP

IAP

USE TITLE

RNAV (GPS) Y RWY 19C

RNAV (RNP) Z RWY 19C

FAC

PAT

AIRPORT IDENT

KIAD

KIAD

CITY

WASHINGTON

WASHINGTON

STATE

DC (US)

DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 03/21/2024

REASON FOR REVISION:

1. REMOVED FROM FIX USE AT KIAD; STAR LEGGO (RNAV) AND STAR MAPEL (RNAV).
2. REMOVED HYPER (RNAV) STAR FROM FIX USE.
3. REMOVED STAR FROM REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: TYLER MITCHELL

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: DUBBV

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391437.52N/0774153.48W

TYPE: WP, RADAR

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	ILS OR LOC RWY 19L			KIAD	WASHINGTON	DC (US)
IAP	ILS OR LOC RWY 19R			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19C (CAT II - III)			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19L (CAT II)			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19R CAT (II - III)			KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19L			KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19R			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19L			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19R			KIAD	WASHINGTON	DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/16/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 03/21/2024

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: FEMKO

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390156.34N/0772730.31W

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 FAC NM	FEET	MRA	MAA
1	WASHINGTON	I-DLX	LOC		010.65	000.65		5.69	34579	1500	4700
2	ARMEL	AML	VOR/DME	L			5.87	5.87		1500	4700

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

WASHINGTON (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 19C	1, 2		KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19C (CAT II-III)	1, 2		KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19C			KIAD	WASHINGTON	DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

FIX MOVED FROM 390154.08N/0772730.37W TO 390156.34N/0772730.31W (228.61 FEET NORTH).

RADAR WAS ADDED TO FIX TYPE.

FAC 1 I-DLX NM AND FEET CHANGED FROM 5.65/34347 TO 5.69/34579.

FAC 2 DME/DIST CHANGED FROM 5.83 TO 5.87

CHANGED ILS OR LOC/DME RWY 19C TO ILS OR LOC RWY 19C.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 03/21/2024

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: HUGGZ

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391428.41N/0773605.88W

TYPE: WP, RADAR

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	ILS OR LOC RWY 19L			KIAD	WASHINGTON	DC (US)
IAP	ILS OR LOC RWY 19R			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19C (CAT II & III)			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19L (CAT II)			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19R (CAT II & III)			KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19L			KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19R			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19L			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19R			KIAD	WASHINGTON	DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/16/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 03/21/2024

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: LOGOW

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391814.58N/0774229.43W

TYPE: WP, RADAR

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	ILS OR LOC RWY 19L			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19C (CAT II - III)			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19L (CAT II)			KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19L			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19L			KIAD	WASHINGTON	DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/16/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 03/21/2024

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: MOOOV

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 384350.86N/0772746.07W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	WASHINGTON	I-OSZ	LOC		190.65	180.65		14.55	4700	5000
2	ARMEL	AML	VOR/DME	L	187.14	179.14	12.22	12.22	4700	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-OSZ	LOC	R-191	15	4700	5000

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

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	AML	VOR/DME	187.14	187.14	R	1		3000	6000	4	5
2	N		WP	007.14	187.14	R		4	3000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	385306.00N/0773206.00W	722	4B
2	200	AAO	385306.00N/0773206.00W	722	4B

REMARKS:

WASHINGTON (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 01C	1, 2		KIAD	WASHINGTON	DC (US)
IAP	ILS OR LOC RWY 19C	2	1	KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 01C (SA CAT II)	1, 2		KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19C (CAT II - CAT III)	2	1	KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 01C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19C		2	KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 01C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19C		2	KIAD	WASHINGTON	DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/16/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: NEERAJ VERMA

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: NOGGL

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391356.97N/0773138.38W

TYPE: WP, RADAR

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	ILS OR LOC RWY 19L			KIAD	WASHINGTON	DC (US)
IAP	ILS OR LOC RWY 19R			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19C (CAT II & III)			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19L (CAT II)			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19R (CAT II & III)			KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19L			KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19R			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19L			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19R			KIAD	WASHINGTON	DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/16/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 03/21/2024

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: PATWY

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391853.61N/0773225.29W

TYPE: WP, RADAR

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	ILS OR LOC RWY 19L			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19C (CAT II - III)			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19L (CAT II)			KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) Y RWY 19L			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19C			KIAD	WASHINGTON	DC (US)
IAP	RNAV (RNP) Z RWY 19L			KIAD	WASHINGTON	DC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/16/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 03/21/2024

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

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: