

RADIO FIX AND HOLDING DATA RECORD

NAME: ARMEL VOR/DME

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 385604.53N/0772800.13W

TYPE:

AIRSPACE DOCKET: 22-AEA-26

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	ARMEL	AML	VOR/DME	L							45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	NATIONAL			KDCA	WASHINGTON	DC (US)
DP	ARSENAL			KHEF	WASHINGTON	DC (US)
DP	CAPITAL			KIAD	WASHINGTON	DC (US)
DP	TRIXY			KMRB	MARTINSBURG	WV (US)
EN ROUTE	J149					(US)
EN ROUTE	J213					(US)
EN ROUTE	J220					(US)
EN ROUTE	V4					(US)
IAP	COPTER ILS OR LOC/DME RWY 1			KDCA	WASHINGTON	DC (US)
IAP	ILS OR LOC RWY 1			KDCA	WASHINGTON	DC (US)
IAP	ILS RWY 1 (CAT II)			KDCA	WASHINGTON	DC (US)
IAP	ILS RWY 1 (SA CAT 1)			KDCA	WASHINGTON	DC (US)
IAP	RNAV (GPS) RWY 15			KDCA	WASHINGTON	DC (US)
IAP	ILS OR LOC RWY 16L			KHEF	WASHINGTON	DC (US)
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 OR LOC RWY 1C			KIAD	WASHINGTON	DC (US)
IAP	ILS OR LOC RWY 1L			KIAD	WASHINGTON	DC (US)
IAP	ILS OR LOC/DME RWY 12			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19C (CAT II & III)			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19L (SA CAT II)			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 19R (CAT II & III)			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 1C (SA CAT II)			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 1L (CAT II & III)			KIAD	WASHINGTON	DC (US)
IAP	VOR/DME RWY 12			KIAD	WASHINGTON	DC (US)
IAP	RNAV (GPS) RWY 14			KDAA	FORT BELVOIR	VA (US)
IAP	VOR RWY 15			KHWY	WARRENTON	VA (US)
IAP	VOR-A			KMRB	MARTINSBURG	WV (US)
STAR	NUMMY			KDCA	WASHINGTON	DC (US)
STAR	COATT			KIAD	WASHINGTON	DC (US)
STAR	DOCCS			KIAD	WASHINGTON	DC (US)
STAR	PRIVO			KIAD	WASHINGTON	DC (US)
STAR	WESTMINSTER			KBWI	BALTIMORE	MD (US)
STAR	WESTMINSTER			KMTN	BALTIMORE	MD (US)
STAR	NUMMY			KADW	CAMP SPRINGS	MD (US)
STAR	NUMMY			KDAA	FORT BELVOIR	VA (US)
STAR	DOCCS			KJYO	LEESBURG	VA (US)
STAR	PRIVO			KJYO	LEESBURG	VA (US)
STAR	PRIVO			KHEF	MANASSAS	VA (US)
STAR	PRIVO			KNYG	QUANTICO	VA (US)
STAR	PRIVO			KMRB	MARTINSBURG	WV (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 20

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-AEA-10.
2. ADDED Q221 AND Q227 IN FIX USE.
3. DELETED ILS OR LOC RWY 1R AT KIAD AND ILS RWY 1R (CAT II & III) AT KIAD IN FIX USE.
4. DELETED "DME" FROM ILS OR LOC RWYS 19C, 19R, 1C, AND 1L AT KIAD IN FIX USE.
5. CHANGED FAC 1 AML MAA FROM "17500" TO "45000" IN FIX MAKE-UP FACILITIES.
6. DELETED REMARK "ASSIGNED FACILITY MAGVAR: 8W (1980)".

1/24/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 11/7/23.

1. CHANGED AIRSPACE DOCKET FROM "23-AEA-10" TO "22-AEA-26".
2. DELETED J227 IN FIX USE.
3. DELETED PALEO AT KBWI IN FIX USE.
4. CHANGED RECORD REVISION NUMBER FROM "19" TO "20".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN**APPROVED BY:****DATE:** 09/05/2024**OFFICE:** AJV-A423**NAME:** ALLAN WILL**SIGNATURE:**

RADIO FIX AND HOLDING DATA RECORD

NAME: BEETS

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 395720.57N/0772659.55W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 22-AEA-26

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	COYLE	CYN	VORTAC	H	284.37	274.37	139.64	139.64	26000	45000
2	ARMEL	AML	VOR/DME	L	008.73	000.73	61.22	61.22	18000	23000
3	LANCASTER	LRP	VOR/DME	L	268.92	259.92		54.29	18000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CYN	VORTAC	R-284	140	26000	45000
AML	VOR/DME	R-009	62	18000	23000
LRP	VOR/DME	R-269	55	18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

COYLE (FAC 1) AND ARMEL (FAC 2) AND LANCASTER (FAC 3) USED TO ESTABLISH FIX COORDINATES.
CONTROLLER LOW PER ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J110	1				(US)
EN ROUTE	J220	2, 3				(US)
EN ROUTE	Q221					(US)
EN ROUTE	Q227					(US)
EN ROUTE	Q430					(US)
EN ROUTE	Q480					(US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. CHANGED AIRSPACE DOCKET FROM "19-ASO-27" TO "23-AEA-10".
2. ADDED Q221 AND Q227 IN FIX USE.
3. ADDED FAC 1 CYN IN FIX MAKE-UP FACILITIES AND RENUMBERED REMAINING FACILITIES.
4. CHANGED FAC 2 AML MAA FROM "45000" TO "23000".
5. CHANGED AML ESV MAX ALTITUDE FROM "45000" TO "23000".
6. ADDED CYN ESV.
7. ADDED "COYLE (FAC 1) TO FACILITIES USED TO ESTABLISH FIX COORDINATES REMARK AND RENUMBERED REMAINING FACILITIES.
8. DELETED FAC 2 FROM J110 IN FIX USE.
9. DELETED FAC 1 AND ADDED FAC 3 TO J220 AND J227 IN FIX USE.

1/24/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 11/7/23.

1. CHANGED AIRSPACE DOCKET FROM "23-AEA-10" TO "22-AEA-26".
2. DELETED J227 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: JERES

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 393834.40N/0772718.20W

TYPE: WP, RADAR, INT, DME

AIRSPACE DOCKET: 22-AEA-26

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	WESTMINSTER	EMI	VORTAC	VH	300.00	292.00	23.82	23.82	5500	45000
2	ARMEL	AML	VOR/DME	L	008.73	000.73	42.46	42.46	5000	23000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
AML	VOR/DME	R-009	43	5000	23000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

WESTMINSTER (FAC 1) AND ARMEL (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HORTO (RNAV)			KDCA	WASHINGTON	DC (US)
DP	NATIONAL			KDCA	WASHINGTON	DC (US)
DP	HIICH (RNAV)			KHEF	WASHINGTON	DC (US)
DP	CAPITAL			KIAD	WASHINGTON	DC (US)
DP	JERES (RNAV)			KIAD	WASHINGTON	DC (US)
DP	CANNY (RNAV)			KDOV	DOVER	DE (US)
DP	LINSE (RNAV)			KBWI	BALTIMORE	MD (US)
DP	LINSE (RNAV)			KMTN	BALTIMORE	MD (US)
DP	LINCN (RNAV)			KADW	CAMP SPRINGS	MD (US)
DP	LINSE (RNAV)			KESN	EASTON	MD (US)
DP	LINSE (RNAV)			KFDK	FREDERICK	MD (US)
DP	LINSE (RNAV)			KGAI	GAITHERSBURG	MD (US)
DP	LINSE (RNAV)			KDMW	WESTMINSTER	MD (US)
DP	PTOMC (RNAV)			KJYO	LEESBURG	VA (US)
EN ROUTE	J211	1, 2				(US)
EN ROUTE	J220	1, 2				(US)
EN ROUTE	Q221					(US)
EN ROUTE	Q227					(US)

REQUIRED CHARTING: DP, MILITARY DP, AREA, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-AEA-10.
2. ADDED Q221 AND Q227 IN FIX USE.
3. ADDED LINSE (RNAV) AT KBWI, KDMW, KMTN, KESN, KFDK, KGAI IN FIX USE.
4. FAC 1 EMI CLASS CHANGED FROM "H" TO "VH" IN FIX MAKE-UP FACILITIES.
5. CHANGED FAC 1 EMI MRA FROM "5000" TO "5500".
6. ADDED "AREA, CONTROLLER LOW, CONTROLLER HIGH" IN REQUIRED CHARTING.

1/24/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 11/7/23.

1. CHANGED AIRSPACE DOCKET FROM "23-AEA-10" TO "22-AEA-26".
2. DELETED J227 IN FIX USE.
3. DELETED TERPZ (RNAV) AT KBWI, KMTN, KESN, KFDK, KGAI, AND KDMW IN FIX USE.
4. RECORD REVISION NUMBER CHANGED FROM "13" TO "14".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 09/05/2024

OFFICE: AVJ-A423

NAME: ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: MICAH

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 400933.11N/0772647.04W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 22-AEA-26

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	ARMEL	AML	VOR/DME	L	008.73	000.73	73.42	73.42		18000	23000
2	HARRISBURG	HAR	VORTAC	L	253.78	243.78		19.32		18000	23000
3	WESTMINSTER	EMI	VORTAC	VH	339.64	331.64	45.31	45.31		18000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
AML	VOR/DME	R-009	74	18000	23000
HAR	VORTAC	R-254	20	18000	23000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ARMEL (FAC 1) AND HARRISBURG (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J220	1, 2				(US)
EN ROUTE	J61	2, 3				(US)
EN ROUTE	Q221					(US)
EN ROUTE	Q227					(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-AEA-10.
2. ADDED WP IN FIX TYPE.
3. ADDED DISTANCE FROM FAC NM TO FAC 1 AML AND FAC 2 HAR IN FIX MAKE-UP FACILITIES.
4. ADDED FAC 3 EMI IN FIX MAKE-UP FACILITIES.
5. ADDED REMARK "ARMEL (FAC 1) AND HARRISBURG (FAC 2) USED TO ESTABLISH FIX COORDINATES".
6. DELETED REMARKS "EECP" AND "MAGNETIC VARIATION: AML VORTAC 8°W, EMI VORTAC 8°W, HAR VORTAC 10°W".
7. ADDED J227, Q221 AND Q227 IN FIX USE.
8. ADDED "CONTROLLER HIGH" IN REQUIRED CHARTING.
9. CHANGED FIX COORDINATES FROM "400933.12N/0772647.05W" TO "400933.11N/0772647.04W" TO MATCH NASR.
10. DELETED FAC 2 HAR DME IN FIX MAKE-UP FACILITIES.
11. ADDED AML AND HAR ESVS.

1/24/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 11/7/23.

1. CHANGED AIRSPACE DOCKET FROM "23-AEA-10" TO "22-AEA-26".
2. DELETED J227 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: OGESY

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 404413.65N/0772611.63W

TYPE: WP

AIRSPACE DOCKET: 22-AEA-26

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
EN ROUTE
EN ROUTE

USE TITLE
Q221
Q227

FAC PAT AIRPORT IDENT CITY

STATE
(US)
(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-AEA-10.
2. CHANGED "CNF" TO "WP" IN FIX TYPE.
3. ADDED Q221 AND Q227 IN FIX USE.
4. ADDED "CONTROLLER HIGH" IN REQUIRED CHARTING.
5. ADDED REMARK "ATC REQUEST J227 DOGLEG CONVERT FROM CNF TO NAMED WP".

1/24/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 11/7/23.

1. CHANGED AIRSPACE DOCKET FROM "23-AEA-10" TO "22-AEA-26".
2. DELETED REMARK "ATC REQUEST J227 DOGLEG CONVERT FROM CNF TO NAMED WP".
3. DELETED J220 AND J227 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: VALLO

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 403736.57N/0772618.47W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 22-AEA-26

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	ARMEL	AML	VOR/DME	L	008.73	000.73	101.46	101.46		18000	23000
2	RAVINE	RAV	VORTAC	L	287.82	276.82	38.61	38.61		18000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
RAV	VORTAC	R-288	39	18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ARMEL (FAC 1) AND RAVINE (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J220	1, 2				(US)
EN ROUTE	J64	1, 2				(US)
EN ROUTE	Q221					(US)
EN ROUTE	Q227					(US)
EN ROUTE	Q62					(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-AEA-10.
2. ADDED J227, Q221, AND Q227 IN FIX USE.

1/24/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 11/7/23.

1. CHANGED AIRSPACE DOCKET FROM "23-AEA-10" TO "22-AEA-26".
2. DELETED J227 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE: