

RADIO FIX AND HOLDING DATA RECORD

NAME: DATED

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391342.92N/0765821.21W

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	WESTMINSTER	EMI	VORTAC	H	186.99	178.99	15.97	15.97		2600	17500
2	BALTIMORE	BAL	VORTAC	L	294.46	283.46	14.92	14.92		2600	17500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V265	1, 2				(US)
IAP	RNAV (GPS) RWY 18			W00	BOWIE	MD (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. FIX USE: REMOVED KBWI ILS OR LOC RWY 33L, KBWI ILS RWY 33L (SA CAT I & II), AND KBWI ILS OR LOC RWY 15R.
2. CHARTING: REMOVED "CONTROLLER" AND ADDED "CONTROLLER LOW"
3. HOLDING: REMOVED PAT 1 AND 2 AND ALL ASSOCIATIONS.
4. FIX MAKE-UP: REMOVED FAC 3 AND ALL ASSOCIATIONS.
5. REMARKS: REMOVED "PRECIPITOUS TERRAIN EVALUATION COMPLETED."

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: JUDITH TUTTLE

APPROVED BY:

DATE: 07/11/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: HUEYP

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 392315.48N/0764324.29W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

IAP

IAP

IAP

STAR

STAR

USE TITLE

ILS OR LOC RWY 15R

RNAV (GPS) Y RWY 15R

RNAV (RNP) Z RWY 15R

TRISH (RNAV)

TRISH (RNAV)

FAC

PAT

AIRPORT IDENT

KBWI

KBWI

KBWI

KBWI

KMTN

CITY

BALTIMORE

BALTIMORE

BALTIMORE

BALTIMORE

BALTIMORE

STATE

MD (US)

MD (US)

MD (US)

MD (US)

MD (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/05/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 07/11/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: JANNS

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 385932.32N/0763013.23W

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	BALTIMORE	I-RUX	LOC		155.21	144.21	13.00	14.36		4000	4600
2	BALTIMORE	BAL	VORTAC	L	156.46	145.46	13.00	13.00		2500	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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	SE		WP	155.31	335.31	L		4	2500	6000	5	6
2	SE	BAL	VORTAC	156.46	336.46	L	1		2500	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (24-000913)	390036.77N/0763631.88W	1049	1A
2	200	TOWER (24-000540)	385848.84N/0763359.42W	704	1A

REASON FOR NONSTANDARD HOLDING:

PAT 1 REDUCE IMPACT ON HOLDING AT BOAST INT.
PAT 2 REDUCE IMPACT ON HOLDING AT BOAST INT.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S).

REMARKS:

BALTIMORE (FAC 1) AND BALTIMORE (FAC 2) 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 15R	1, 2	2	KBWI	BALTIMORE	MD (US)
IAP	ILS OR LOC RWY 33L	1		KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 33L (SA CAT I)	1		KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 33L (SA CAT II)	1		KBWI	BALTIMORE	MD (US)
IAP	RNAV (GPS) Y RWY 15R		1	KBWI	BALTIMORE	MD (US)
IAP	RNAV (GPS) Y RWY 33L			KBWI	BALTIMORE	MD (US)
IAP	RNAV (RNP) Z RWY 15R		1	KBWI	BALTIMORE	MD (US)
IAP	RNAV (RNP) Z RWY 33L			KBWI	BALTIMORE	MD (US)
STAR	MIIDY (RNAV)			KBWI	BALTIMORE	MD (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. FIX MAKE-UP: UPDATED FAC 1 I-RUX MAG/TRUE BRG FROM "155.22/144.22" TO "155.21/144.21" AND DIST FROM FAC FROM "14.32" TO "14.36"; ADDED FAC 2 MAG/TRUE BRG "156.46/145.46" AND UPDATED MRA/MAA FROM "4000/4600" TO "2500/17500"
2. FIX USE: SEPERATED "IAP ILS RWY 33L (SA CAT I & II) 1, 2 KBWI" INTO "(CAT I) AND (CAT II)"; REMOVED "STAR MIIDY (RNAV) KMTN"; ADDED "IAP ILS OR LOC RWY 15R KBWI"
3. PATTERNS: ADDED PAT 2, PAT 2 OBSTACLE, AND REASON FOR NON-STANDARD HOLDING.
4. FIX USE: CHANGED IAP ILS OR LOC RWY 15R PAT "1" TO "2".

05/16/24: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 05/06/24.

1. FIX MAKE-UP: ADDED "13.00" DME TO FAC 1 BALTIMORE I-RUX LOC
2. HOLDING RESTRICTIONS: UPDATED "HOLDING LIMITED TO ESTABLISHED PATTERN." TO "HOLDING LIMITED TO ESTABLISHED PATTERN(S)."
3. FIX USE: REMOVED FAC 2 FROM "IAP ILS OR LOC RWY 33L", "IAP ILS RWY 33L (SA CAT I)", AND "IAP ILS RWY 33L (SA CAT II)"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: WESTMINSTER VORTAC

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 392942.03N/0765842.86W

TYPE:

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 FEET	MRA	MAA
1	WESTMINSTER	EMI	VORTAC	VH						45000

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	EMI	VORTAC	178.07	358.07	L	1	2900 6000	6 7
2	SE		WP	117.64	297.64	R	6	3000 6000	7 8
3	S	EMI	VORTAC	179.00	359.00	L	1	2600 6000	6 7
4	SE	EMI	VORTAC	127.00	307.00	L	1	2600 4000	6 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	393424.00N/0765815.00W	1162	4E
2	230	TOWER (24-001005)	392649.94N/0764647.21W	1549	1A
3	230	AAO	393424.00N/0765815.00W	1162	4E
4	230	TOWER (24-001005)	392649.94N/0764647.21W	1549	1A

REASON FOR NONSTANDARD HOLDING:

PAT 1 AND 3: AIR TRAFFIC AIRSPACE RESTRICTION
PAT 4 ATC REQUEST.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
ASSIGNED FACILITY MAG VAR: 8W (1965).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	NATIONAL			KDCA	WASHINGTON	DC (US)
DP	CAPITAL			KIAD	WASHINGTON	DC (US)
DP	PTOMC (RNAV)			KJYO	LEESBURG	VA (US)
EN ROUTE	J211					(US)
EN ROUTE	J48					(US)
EN ROUTE	J61					(US)
EN ROUTE	Q119					(US)
EN ROUTE	TK502					(US)
EN ROUTE	V166					(US)
EN ROUTE	V265					(US)
EN ROUTE	V268					(US)
EN ROUTE	V3					(US)
EN ROUTE	V419					(US)
EN ROUTE	V457					(US)
IAP	ILS OR LOC RWY 1R			KIAD	WASHINGTON	DC (US)
IAP	ILS RWY 1R (CAT II - III)		3	KIAD	WASHINGTON	DC (US)
IAP	ILS OR LOC RWY 10		3	KBWI	BALTIMORE	MD (US)
IAP	ILS OR LOC RWY 10) (ALT MISSED)		4	KBWI	BALTIMORE	MD (US)
IAP	ILS OR LOC RWY 15L			KBWI	BALTIMORE	MD (US)
IAP	ILS OR LOC RWY 33R (ALT MISSED)		3	KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 10 (CAT II - III) (ALT MISSED)		4	KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 10 (SA CAT I) (ALT MISSED)		4	KBWI	BALTIMORE	MD (US)
IAP	LOC RWY 15			KMTN	BALTIMORE	MD (US)
IAP	ILS OR LOC RWY 23			KFDK	FREDERICK	MD (US)
IAP	RNAV (GPS) Y RWY 23		2	KFDK	FREDERICK	MD (US)
IAP	RNAV (GPS) Z RWY 23		2	KFDK	FREDERICK	MD (US)
IAP	RNAV (GPS)-A		2	KGAI	GAITHERSBURG	MD (US)
IAP	VOR-A			2W2	WESTMINSTER	MD (US)
IAP	VOR RWY 34		1	KDMW	WESTMINSTER	MD (US)
IAP	RNAV (GPS)-A			W05	GETTYSBURG	PA (US)
STAR	PRIVO			KHEF	DISTRICT OF COLUMBIA	DC (US)
STAR	DELRO			KIAD	WASHINGTON	DC (US)
STAR	PRIVO			KIAD	WASHINGTON	DC (US)
STAR	SELINGROVE			KIAD	WASHINGTON	DC (US)
STAR	WESTMINSTER			KBWI	BALTIMORE	MD (US)
STAR	WESTMINSTER			KMTN	BALTIMORE	MD (US)
STAR	PRIVO			KJYO	LEESBURG	VA (US)

STAR
STARPRIVO
PRIVOKNYG
KMRBQUANTICO
MARTINSBURGVA (US)
WV (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 34

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. REMOVED SWANN DP FROM FIX USE.
2. ADDED PAT 4 (EMI) VORTAC TO HOLDING PATTERNS.
3. ADDED PAT 4 CONTROLLING OBSTACLE.
4. ADDED "ATC REQUEST" IN REASON FOR NONSTANDARD HOLDING.
5. CHANGE KBWI ILS OR LOC RWY 10/CAT II-III/SA CAT I PAT FROM 3 TO 4 AND ADD ALT MISSED TO TITLES IN FIX USE.
6. REMOVED KBWI ILS OR LOC RWY 28 FROM FIX USE.
7. REMOVED KBWI ILS OR LOC RWY 33L, ILS OR LOC RWY 15R, ILS OR LOC RWY 33L, RNAV (GPS) Y RWY 15R, RNAV (RNP) Z RWY 15R, AND ADDED "(ALT MISSED)" TO KBWI ILS OR LOC RWY 33R TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: ANDRE TUCKER

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: ZARTZ

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391646.19N/0765457.24W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

IAP
IAP
IAP
STAR
STAR

USE TITLE

ILS OR LOC RWY 15R
RNAV (GPS) Y RWY 15R
RNAV (RNP) Z RWY 15R
MIIDY (RNAV)
MIIDY (RNAV)

FAC

PAT

AIRPORT IDENT

KBWI
KBWI
KBWI
KBWI
KMTN

CITY

BALTIMORE
BALTIMORE
BALTIMORE
BALTIMORE
BALTIMORE

STATE

MD (US)
MD (US)
MD (US)
MD (US)
MD (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/05/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 07/11/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE: