NAME: BMORE STATE: MD **COUNTRY: US ICAO REGION CODE: K6** 

LATITUDE/LONGITUDE: 392150.15N/0765052.78W TYPE: WP. RADAR, DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

**FIX MAKE-UP FACILITIES:** 

NAME **IDENT TYPE CLASS MAG TRUE** DME DIST FROM FAC MRA MAA **BRG BRG** NM FEET 335.20 **BALTIMORE** I-FND 15.02 2500 4600 **BALTIMORE** BAL **VORTAC** 14.47 14.47 2500 17500

**HOLDING TYPE OF ACTION: MODIFY** HOLDING:

**PATTERNS:** 

TYPE RAD/CRS/BRG **CRS** TURN LEG LENGTH HOLDING ALTITUDES TEMPLATES PAT DIR **IDENT** (L OR R) TIME DME INBOUND MIN MAX MAX MIN WP NW 335.10 155.10 3000 6000 5 6

**CONTROLLING OBSTRUCTIONS:** 

PAT AIRSPEED **OBSTRUCTION COORDINATES ELEVATION ACCURACY CODE** TOWER (24-000339) 392223.38N/0765354.93W 1060 1A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:** 

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 15R	1. 2		KBWI	BALTIMORE	MD (US)
IAP	RNAV (GPS) Y RWY 15R	,		KBWI	BALTIMORE	MD (US)
IAP	RNAV (GPS) Y RWY 33L		1	KBWI	BALTIMORE	MD (US)
IAP	RNAV (RNP) X RWY 33L		1	KBWI	BALTIMORE	MD (US)
IAP	RNAV (RNP) Z RWY 15R			KBWI	BALTIMORE	MD (US)
IAP	RNAV (RNP) Z RWY 33L		1	KBWI	BALTIMORE	MD (US)

REQUIRED CHARTING: IAP

**COMPULSORY REPORTING POINT: NO** 

**RECORD REVISION NUMBER: 9 DATE OF REVISION: 09/05/2024** 

**REASON FOR REVISION:** 

1. FIX COORDINATES - MOVED FROM 392117.49N/0765022.33W TO 392150.15N/0765052.78W AND MOVED 0.68NM NORTHWEST .

2. FIX MAKE-UP FACILITIES - CHANGED I-FND DIST FROM FAC NM FROM 14.35 TO 15.02.
3. FIX MAKE-UP FACILITIES - CHANGED BAL DME AND DIST FROM FAC NM FROM 13.80 TO 14.74.

4. FIX USE - ADDED RNAV (RNP) X RWY 33L.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME: EMMANUEL GONZALES** 

**APPROVED BY:** DATE: 09/05/2024 OFFICE: AJV-A431 NAME: ERIC N SUSKI

SIGNATURE:

NAME: GRAFE STATE: MD **COUNTRY: US ICAO REGION CODE: K6** 

LATITUDE/LONGITUDE: 390634.30N/0763642.53W TYPE: WP. RADAR, DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

**FIX MAKE-UP FACILITIES:** 

NAME **IDENT TYPE CLASS MAG TRUE** DME DIST FROM FAC MRA MAA **BRG BRG** NM **FEET** 155.21 **BALTIMORE** I-RUX 144.21 34658 1500 4600 **BALTIMORE** BAL **VORTAC** 4.35 4.35 1500 4600

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

**USE TYPE USE TITLE FAC AIRPORT IDENT** STATE PAT CITY ILS OR LOC RWY 33L ILS RWY 33L (SA CAT I & II) RNAV (GPS) Y RWY 33L **BALTIMORE** MD (US) MD (US) MD (US) IAP **KBWI** 1, 2 1, 2 IAP **BALTIMORE KBWI** ΙΑΡ BALTIMORE **KBWI** RNAV (RNP) Z RWY 33L MD (US) IAP **KBWI BALTIMORE** 

**REQUIRED CHARTING: IAP** 

**COMPULSORY REPORTING POINT: NO** 

**RECORD REVISION NUMBER: 8 DATE OF REVISION: 09/05/2024** 

REASON FOR REVISION:
1. FIX MAKE-UP FACILITIES: UPDATED FAC 1 MAG/TRUE BRG FROM 155.22/144.22 TO 155.21/144.21 AND DIST FROM FAC NM FROM 5.67 TO

5.70 AND FEET FROM 34445 TO 34658.
2. REMARKS: REMOVED "ESTABLISHED IAW 8260.54A PFAF," "IPDS BUILD COORDINATES: 390634.297N/0763642.527W," "I-RUX LOC PENDING DATA USED FOR ALL FAC 1 COMPUTATIONS. FACILITY CURRENTLY UNDER CONSTRUCTION, EST COMPLETION DATE: 3/5/2015."

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME: JUDITH TUTTLE** 

APPROVED BY: **DATE:** 09/05/2024 OFFICE: AJV-A431 NAME: ERIC N SUSKI

SIGNATURE:

**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:** 

NAME **IDENT TYPE** CLASS MAG **TRUE** DME **DIST FROM FAC** MRA MAA **BRG BRG** NM FEET **BALTIMORE** I-RUX 155.21 144.21 4000 4600 **BALTIMORE VORTAC** 156.46 145.46 13.00 13.00 2500 17500 BAL

HOLDING: **HOLDING TYPE OF ACTION: MODIFY** 

**PATTERNS:** 

**IDENT TYPE** RAD/CRS/BRG **CRS** TURN LEG LENGTH HOLDING ALTITUDES TEMPLATES PAT DIR INBOUND (L OR R) TIME DME MIN MAX MIN MAX WP SE 155.31 335.31 2500 6000 5 6 VORTAC SE BAL 336.46 2500 6000 5 156.46

CONTROLLING OBSTRUCTIONS:

PAT **AIRSPEED OBSTRUCTION COORDINATES ELEVATION ACCURACY CODE** TOWER (24-000913) TOWER (24-000540) 200 390036.77N/0763631.88W 1049 200 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.

BALTIMORE (FAC 1) AND BALTIMORE (FAC 2) USED TO ESTABLISH FIX COORDINATES. PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USF

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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, 2		KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 33L (SA CAT I)	1, 2		KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 33L (SA CAT IÍ)	1, 2		KBWI	BALTIMORE	MD (US)
IAP	RNAV (GPS) Ý RWY 15Ŕ	,	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".

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

OFFICE OF PRIMARY RESPONSIBILITY: **NAME: HENRY BRADSHAW** AJV-A423

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

SIGNATURE:

NAME: KEEYY STATE: MD **COUNTRY: US ICAO REGION CODE: K6** 

LATITUDE/LONGITUDE: 391243.16N/0762815.62W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

HOLDING TYPE OF ACTION: NO CHANGE **HOLDING:** 

REMARKS:

REMOVED ANTHM AND TRISH STARS FOR KMTN

**FIX USE:** 

**USE TYPE USE TITLE** FAC PAT AIRPORT IDENT CITY **STATE** IAP STAR RNAV (RNP) Z RWY 33L ANTHM (RNAV) MD (US) MD (US) MD (US) **KBWI BALTIMORE** KBWI **BALTIMORE** STAR TRISH (RNAV) **KBWI BALTIMORE** 

REQUIRED CHARTING: STAR, IAP

**COMPULSORY REPORTING POINT: NO** 

**RECORD REVISION NUMBER: 4 DATE OF REVISION: 03/31/2016** 

**REASON FOR REVISION:** 

FIX IS NOT USED TO TRANSITION TO KMTN

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

**DEVELOPED BY:** OFFICE: AJV-5441 **NAME: EUGENE NEWTON DATE:** 10/27/2015

APPROVED BY: **DATE:** 02/16/2016 OFFICE: AJV-5410 NAME: MARLON ROBINSON

SIGNATURE:

**DISTRIBUTION:** 

NFDC FPO: EST ARTCC: ZDC ATC FACILITY: KBWI TOWER, PCT TRACON

OTHER:

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NAME: KOOLZ STATE: MD **COUNTRY: US ICAO REGION CODE: K6** 

LATITUDE/LONGITUDE: 385459.78N/0763349.20W 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 33L			KBWI	BALTIMORE	MD (US)
IAP	ILS OR LOC RWY 33L (SA CAT I)			KBWI	BALTIMORE	MD (US)
IAP	ILS OR LOC RWY 33L (SA CAT II)			KBWI	BALTIMORE	MD (US)
IAP	RNAV (GPS) Y RWY 33L			KBWI	BALTIMORE	MD (US)
IAP	RNAV (RNP) X RWY 33L			KBWI	BALTIMORE	MD (US)
IAP	RNAV (RNP) Z RWY 33L			KBWI	BALTIMORE	MD (US)
STAR	RAVNŇ (RNÁV)			KBWI	BALTIMORE	MD (US)

**REQUIRED CHARTING: STAR, IAP** 

**COMPULSORY REPORTING POINT: NO** 

**RECORD REVISION NUMBER: ORIG DATE OF REVISION: 09/05/2024** 

**REASON FOR REVISION:** 

05/16/24: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 05/06/24. 1. TYPE: REMOVED "DME"

2. FIX MAKE-UP: REMOVED FAC 1 BALTIMORE I-RUX LOC

3. FIX USE: REMOVED FAC 1 FROM "IAP ILS OR LOC RWY 33L", "IAP ILS OR LOC RWY 33L (SA CAT I)", AND "IAP ILS OR LOC RWY 33L (SA CAT II)" AT KBWI.

**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:

NAME: LABPI STATE: MD **COUNTRY: US ICAO REGION CODE: K6** 

LATITUDE/LONGITUDE: 390706.76N/0763106.85W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: **HOLDING TYPE OF ACTION: NO CHANGE** 

**REMARKS:** 

IPDS BUILD COORDINATES: 390706.763N/0763106.845W

**FIX USE:** 

**USE TYPE USE TITLE** FAC PAT AIRPORT IDENT CITY **STATE** RNAV (RNP) Z RWY 33L **KBWI BALTIMORE** MD (US)

**REQUIRED CHARTING: IAP** 

**COMPULSORY REPORTING POINT: NO** 

**RECORD REVISION NUMBER: 1 DATE OF REVISION: 12/11/2014** 

**REASON FOR REVISION:** 

MOVED FIX 429.57 FT NORTHWEST.

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

NAME: PETER GUIMOND **DEVELOPED BY: DATE:** 07/14/2014 OFFICE: AJV-352

**APPROVED BY: DATE:** 12/11/2014 OFFICE: AJV-352 **NAME: SUE CRUMB** 

SIGNATURE:

DISTRIBUTION: **NFDC** 

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

OTHER:

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NAME: SPLAT STATE: MD COUNTRY: US ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390402.88N/0763422.59W TYPE: WP, RADAR, DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

**FIX MAKE-UP FACILITIES:** 

NAME **IDENT TYPE CLASS MAG TRUE** DME DIST FROM FAC MRA MAA **BRG BRG** NM FEET 155.21 **BALTIMORE** I-RUX 8.81 2400 4600 **BALTIMORE** BAL **VORTAC** 7.45 7.45 2400 4600

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

**REMARKS:** 

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

FIX USE:

**USE TYPE** USE TITLE FAC PAT AIRPORT IDENT CITY STATE MD (US) MD (US) MD (US) MD (US) IAP IAP ILS OR LOC RWY 33L **BALTIMORE KBWI** ILS RWY 33L (SA CAT I & II) RNAV (GPS) Y RWY 33L 1, 2 **KBWI BALTIMORE** IAP **KBWI BALTIMORE** RNAV (RNP) Z RWY 33L. IAP **KBWI BALTIMORE** 

**REQUIRED CHARTING: IAP** 

**COMPULSORY REPORTING POINT: NO** 

RECORD REVISION NUMBER: 11 DATE OF REVISION: 09/05/2024

**REASON FOR REVISION:** 

1. FIX MAKE-UP FACILITIES: UPDATED FAC 1 MAG/TRUE BEARING FROM 155.21/144.21 AND DIST FROM FAC FROM 8.78 TO 8.81.
2. REMARKS: REMOVED "I-RUX LOC PENDING DATA USED FOR ALL FAC 1 COMPUTATIONS. FACILITY CURRENTLY UNDER CONSTRUCTION, EST COMPLETION DATE: 3/5/2015" AND ADDED "BALTIMORE (FAC 1) AND BALTIMORE (FAC 2) USED TO ESTABLISH FIX COORDINATES."

INITIATED BY: DATE: ORGANIZATION: NAME:

**OFFICE OF PRIMARY RESPONSIBILITY**: AJV-A431 **NAME**: JUDITH TUTTLE

**APPROVED BY: DATE:** 09/05/2024 **OFFICE:** AJV-A431 **NAME:** ERIC N SUSKI

SIGNATURE: