

RADIO FIX AND HOLDING DATA RECORD

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:

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		5.70	34658	1500	4600
2	BALTIMORE	BAL	VORTAC	L			4.35	4.35		1500	4600

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

FIX USE:

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

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:

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	MRA FEET	MAA
1	BALTIMORE	I-RUX	LOC		155.21	144.21		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 ALTITUDES MIN	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.

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, 2		KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 33L (SA CAT I)	1, 2		KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 33L (SA CAT II)	1, 2		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:

- 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"
- 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"
- PATTERNS: ADDED PAT 2, PAT 2 OBSTACLE, AND REASON FOR NON-STANDARD HOLDING.
- FIX USE: CHANGED IAP ILS OR LOC RWY 15R PAT "1" TO "2".

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: 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:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

REMOVED ANTHM AND TRISH STARS FOR KMTN

FIX USE:

USE TYPE

IAP
STAR
STAR

USE TITLE

RNAV (RNP) Z RWY 33L
ANTHM (RNAV)
TRISH (RNAV)

FAC

PAT

AIRPORT IDENT

KBWI
KBWI
KBWI

CITY

BALTIMORE
BALTIMORE
BALTIMORE

STATE

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

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:

DATE: 10/27/2015

OFFICE: AJV-5441

NAME: EUGENE NEWTON

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:

RADIO FIX AND HOLDING DATA RECORD

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	RAVNN (RNAV)			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:

RADIO FIX AND HOLDING DATA RECORD

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 TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE						
IAP	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:
DEVELOPED BY:	DATE: 07/14/2014	OFFICE: AJV-352	NAME: PETER GUIMOND
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:

