

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 391113.14N/0765427.15W **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-BAL	LOC		285.20	274.20		12.12		2500	4600
2	BALTIMORE	BAL	VORTAC	L	285.83	274.83	11.53	11.53		2500	4600

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	W		WP	285.05	105.05	L	4	2500	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (24-000343)	391407.07N/0770208.00W	997	4D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10	1, 2		KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 10 (CAT II)	1, 2		KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 10 (CAT III)	1, 2		KBWI	BALTIMORE	MD (US)
IAP	RNAV (GPS) Y RWY 10			KBWI	BALTIMORE	MD (US)
IAP	RNAV (GPS) Y RWY 28		1	KBWI	BALTIMORE	MD (US)
IAP	RNAV (RNP) Z RWY 10			KBWI	BALTIMORE	MD (US)
IAP	RNAV (RNP) Z RWY 28		1	KBWI	BALTIMORE	MD (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:

- FIX MOVED TO 391113.14N/0765427.15W. FIX MOVED 1120 FEET WEST.
- FIX MAKE-UP FACILITIES: CHANGED FAC 1 DIST FROM FAC FROM "11.94" TO "12.12" AND MAG BRG AND TRUE BRG FROM "285.19 / 274.20" TO "285.20 / 274.20".
- FIX MAKE-UP FACILITIES: CHANGED FAC 2 DIST DME AND DIST FROM FAC FROM "11.53" TO "12.12" AND ADDED MAG AND TRUE BRG "285.83 / 274.83".
- FAC 2 ADDED TO REMARKS "USED TO ESTABLISH FIX COORDINATES."

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** ZACHARY KRUEGER

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

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: EFFYS

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391059.51N/0765021.61W

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	BALTIMORE	I-BAL	LOC		285.20	274.20		8.93	2300	4600
2	BALTIMORE	BAL	VORTAC	L	286.06	275.06	8.34	8.34	2300	4600

HOLDING:

HOLDING TYPE OF ACTION:

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
IAP	ILS OR LOC RWY 10	1, 2		KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 10 (CAT II)	1, 2		KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 10 (CAT III)	1, 2		KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 10 (SA CAT I)	1, 2		KBWI	BALTIMORE	MD (US)
IAP	RNAV (GPS) Y RWY 10			KBWI	BALTIMORE	MD (US)
IAP	RNAV (RNP) Z RWY 10			KBWI	BALTIMORE	MD (US)

REQUIRED CHARTING: 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-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: HURTZ **STATE:** MD **COUNTRY:** US **ICAO REGION CODE:** K6
LATITUDE/LONGITUDE: 390928.03N/0762356.28W **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-OEH	LOC		105.21	094.21		13.77		2000	4600
2	BALTIMORE	BAL	VORTAC	L	104.64	093.64	12.27	12.27		2000	4600

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

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	E	BAL	VORTAC	104.64	284.64	R	1		2500	6000	4	5
2	E		WP	105.38	285.38	R		4	2500	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (24-020004)	390815.70N/0761259.70W	376	5E
2	200	STACK (24-000381)	391238.00N/0762921.00W	422	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

BALTIMORE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-4001B.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10	2	1	KBWI	BALTIMORE	MD (US)
IAP	ILS OR LOC RWY 28			KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 10 (CAT II)	2	1	KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 10 (CAT III)	2	1	KBWI	BALTIMORE	MD (US)
IAP	RNAV (GPS) Y RWY 10		2	KBWI	BALTIMORE	MD (US)
IAP	RNAV (GPS) Y RWY 28			KBWI	BALTIMORE	MD (US)
IAP	RNAV (RNP) Z RWY 10		2	KBWI	BALTIMORE	MD (US)
IAP	RNAV (RNP) Z RWY 28			KBWI	BALTIMORE	MD (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 09/05/2024

REASON FOR REVISION:

1. FIX USE: REMOVED "STAR MIIDY" AT KBWI AND KMTN.
2. CHARTING: REMOVED "STAR"
3. FIX MOVED TO 390928.03N/0762356.28W. FIXED MOVED 942.25 FT EAST.
4. FIX MAKE-UP FACILITIES: CHANGED LINE 1 MAG AND TRUE BRG FROM "105.22/094.22" TO "105.21/094.21" AND DIST FROM FAC FROM "13.61" TO "13.77".
5. FIX MAKE-UP FACILITIES: CHANGED LINE 2 DME AND DIST FROM FAC FROM "12.11" TO "12.27".
6. HOLDING PATTERN 1 RAD/CRS.BRG AND CRS INBOUND CHANGED FROM "104.63/284.63" TO "104.64/284.64".
7. HOLDING PATTERN 2 CONTROLLING OBSTRUCTIONS UPDATED.
- 8 FIX USE: REMOVED FAC 2 FROM KBWI IAP RNAV (RNP) Z RWY 10 AND ADDED PAT 2.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** ZACHARY KRUEGER
APPROVED BY: **DATE:** 09/05/2024 **OFFICE:** AJV-A431 **NAME:** ERIC N SUSKI
SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: JEANS **STATE:** MD **COUNTRY:** US **ICAO REGION CODE:** K6
LATITUDE/LONGITUDE: 391046.56N/0764630.73W **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		MRA	MAA
								NM	FEET		
1	BALTIMORE	I-BAL	LOC		285.20	274.20		5.93	36041	1500	4600
2	BALTIMORE	BAL	VORTAC	L	286.53	275.53	5.34	5.34	32453	1500	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
IAP	ILS OR LOC RWY 10	1, 2		KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 10 (CAT II)	1, 2		KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 10 (CAT III)	1, 2		KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 10 (SA CAT I)	1, 2		KBWI	BALTIMORE	MD (US)
IAP	RNAV (GPS) Y RWY 10			KBWI	BALTIMORE	MD (US)
IAP	RNAV (RNP) Z RWY 10			KBWI	BALTIMORE	MD (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 21 **DATE OF REVISION:** 09/05/2024

REASON FOR REVISION:

1. LAT/LONG: CHANGED FROM 391046.52N/0764630.51W TO 391046.56N/0764630.73W; FIX MOVED 18 FEET WEST.
2. FIX MAKE-UP: CHANGED I-BAL MAG/TRUE BRG FROM 285.19/274.19 TO 285.20/274.20 AND CHANGED FAC FEET FROM 36024 TO 36041.
3. FIX MAKE-UP: BAL VORTAC ADDED MAG BRG/TRUE BRG/DIST FROM FAC FEET.
4. REMARKS: ADDED FAC 2 TO ESTABLISH FIX COORDINATES COMMENT.

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: KHORT

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391037.82N/0764356.07W

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	FAC FEET	MRA	MAA
1	BALTIMORE	I-BAL	LOC		285.20	274.20		3.92		760	4600
2	BALTIMORE	BAL	VORTAC	L	287.33	276.33	3.33	3.33		760	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
IAP	ILS OR LOC RWY 10	1, 2		KBWI	BALTIMORE	MD (US)
IAP	RNAV (GPS) Y RWY 10			KBWI	BALTIMORE	MD (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. LAT/LONG: CHANGED FROM 391037.87N/0764357.26W TO 391037.82N/0764356.07W; FIX MOVED 95 FEET EAST.
2. FIX MAKE-UP: CHANGED I-BAL MAG/TRUE BRG FROM 285.19/274.19 TO 285.20/274.20 AND CHANGED DIST FROM 3.94 TO 3.92.
3. FIX MAKE-UP: ADDED MAG/TRUE BRG AND CHANGED DIST FROM 3.35 TO 3.33.
4. TYPE: ADDED WP.
5. FIX USE: ADDED RNAV (GPS) Y RWY 10.
6. REMARKS: ADDED FAC 2 TO ESTABLISH FIX COORDINATES COMMENT.

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: REMMY **STATE:** MD **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 391137.87N/0770159.69W **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	BALTIMORE	I-BAL	LOC		285.20	274.20		18.00		4000	4600
2	BALTIMORE	BAL	VORTAC	L	255.62	244.62	17.41	17.41		4000	4600

HOLDING: **HOLDING TYPE OF ACTION:**

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
IAP	ILS OR LOC RWY 10	1, 2		KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 10 (CAT II)	1, 2		KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 10 (CAT III)	1, 2		KBWI	BALTIMORE	MD (US)
IAP	ILS RWY 10 (SA CAT I)	1, 2		KBWI	BALTIMORE	MD (US)
IAP	RNAV (GPS) Y RWY 10			KBWI	BALTIMORE	MD (US)
IAP	RNAV (RNP) Z RWY 10			KBWI	BALTIMORE	MD (US)

REQUIRED CHARTING: 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-A431 **NAME:** ANDRE TUCKER

APPROVED BY: **DATE:** 09/05/2024 **OFFICE:** AJV-A430 **NAME:** ERIC N SUSKI

SIGNATURE: