

RADIO FIX AND HOLDING DATA RECORD

NAME: BILIT

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 384515.82N/0760357.59W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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		WP	095.00	275.00	L	4	4000 12000	7 8
2	E		WP	095.00	275.00	L	4	8000 10000	7 8
3	E		WP	097.00	277.00	L	4	11000 14000	8 9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	210	TOWER (24-001025)	384433.70N/0760358.00W	389	5D
2	210	TOWER (24-000264)	383947.94N/0755007.81W	546	1A
3	210	TOWER (24-000264)	383947.94N/0755007.81W	546	1A

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 2 ATC REQUEST
PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:

PAT 1 CHART 210K ICON
PAT 2 CHART 210K ICON
PAT 3 CHART 210K ICON

REMARKS:

CHART ON SECTIONAL - ATC REQUEST.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ATC REQUESTS SAME MAGNETIC COURSE FOR PATS 1-3. EACH PATTERN IS BASED ON A DIFFERENT MAG VAR.
ALL STAR PROCEDURES ARE RADAR REQUIRED TO ENSURE AIRCRAFT DON'T STRAY INTO R-4006.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T320					(US)
STAR	DEALE (RNAV)		3	KDCA	WASHINGTON	DC (US)
STAR	MIIDY (RNAV)		2	KBWI	BALTIMORE	MD (US)
STAR	MIIDY (RNAV)		2	KMTN	BALTIMORE	MD (US)
STAR	SPISY (RNAV)		1	KADW	CAMP SPRINGS	MD (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. DOCKET: REMOVED "21-ANE-6"
2. CHARTING: ADDED "EN ROUTE HIGH" AND "CONTROLLER HIGH"
3. FIX USE: REMOVED "IAP RNAV (RNP) Z RWY 28" AT KBWI.

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: 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	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 TIME	DME	HOLDING ALTITUDES MIN	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:

1. FIX MOVED TO 391113.14N/0765427.15W. FIX MOVED 1120 FEET WEST.
2. 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".
3. 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".
4. 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: FINNZ

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391643.30N/0762655.87W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 28			KBWI	BALTIMORE	MD (US)
IAP	RNAV (GPS) Y RWY 28			KBWI	BALTIMORE	MD (US)
IAP	RNAV (RNP) Z RWY 28			KBWI	BALTIMORE	MD (US)
STAR	ANTHM (RNAV)			KBWI	BALTIMORE	MD (US)
STAR	TRISH (RNAV)			KBWI	BALTIMORE	MD (US)
STAR	ANTHM (RNAV)			KMTN	BALTIMORE	MD (US)
STAR	TRISH (RNAV)			KMTN	BALTIMORE	MD (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. FIX USE: ADDED ILS OR LOC RWY 28, RNAV (GPS) Y RWY 28 AND RNAV (RNP) Z RWY 28 AT KBWI AND ASSOCIATED DATA.
2. ADDED IAP TO REQUIRED CHARTING.

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: 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: JURTI

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391006.43N/0763449.05W

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		105.19	094.19		5.28	32091	2000	4600
2	BALTIMORE	BAL	VORTAC	L			3.78	3.78	22975	2000	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 28	1, 2		KBWI	BALTIMORE	MD (US)
IAP	RNAV (GPS) Y RWY 28			KBWI	BALTIMORE	MD (US)
IAP	RNAV (RNP) Z RWY 28			KBWI	BALTIMORE	MD (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. FIX MOVED FROM "390956.57N/0763159.94W" TO "391006.43N/0763449.05W". FIX MOVED 2.1982 NM NW. NAME RETAINED PER ATC REQUEST.
2. FIX MAKE-UP FACILITIES: FAC 1 CHANGED MAG BRG / TRUE BRG FROM "105.22 / 094.22" TO "105.19 / 094.19" AND DIST FROM FAC NM / FEET FROM "7.48 / 45448" TO "5.28 / 32091".
3. FIX MAKE-UP FACILITIES: FAC 2 CHANGED DME FROM "5.98" TO "3.78" AND DIST FROM FAC NM / FEET FROM "5.98 / 36327" TO "3.78 / 22975"

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: MCKAY

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390941.28N/0762739.48W

TYPE: WP, RADAR, INT, 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	BAL	VORTAC	L	104.46	093.46	9.36	9.36	3000	6000
2	BALTIMORE	I-OEH	LOC		105.19	094.19		10.87	3000	6000

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 28	1, 2		KBWI	BALTIMORE	MD (US)
IAP	RNAV (GPS) Y RWY 28			KBWI	BALTIMORE	MD (US)
IAP	RNAV (RNP) Z RWY 28			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: ZACHARY KRUEGER

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: SOULZ

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390951.69N/0763036.35W

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-OEH	LOC		105.19	094.19		8.57	2000	4600
2	BALTIMORE	BAL	VORTAC	L	104.21	093.21	7.07	7.07	2000	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 28	1, 2		KBWI	BALTIMORE	MD (US)
IAP	RNAV (GPS) Y RWY 28			KBWI	BALTIMORE	MD (US)
IAP	RNAV (RNP) Z RWY 28			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: ZACHARY KRUEGER

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: TOGAH

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390001.29N/0763139.42W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

IAP

STAR

STAR

USE TITLE

RNAV (RNP) Z RWY 28

MIIDY (RNAV)

RAVNN (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: ORIG

DATE OF REVISION: 09/05/2024

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: