

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

AIRPORT ID BWI	PROCEDURE NAME RNAV (RNP) Z RWY 10	ORIGINAL/AMENDMENT 3	CITY BALTIMORE	STATE MD
AIRPORT ELEVATION 143	TDZE 143	SUPERSEDED RNAV (RNP) Z RWY 10	ORIGINAL/AMENDMENT 2D	DATED 09/08/2022
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	MAG VAR 11W
				EPOCH YEAR 2000
				CANCEL/SUSPEND

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
REMMY	IAF	COLUM		TF	FB	1.00	104.98	5.88	3000
COLUM	IAF	EFFYS		TF	FB	1.00	105.06	3.19	2300
ANCRR	IF	BEGUE		TF	FB	1.00	310.77	2.99	4000
BEGUE		CATVI		RF	FB	1.00	(3.46 NM RADIUS CW (CFBBX))	3.15	3500
CATVI		VOBIH		TF	FB	1.00	002.94	2.29	2800
VOBIH		JEANS		RF	FB	1.00	(2.31 NM RADIUS CW (CFBBZ))	4.12	1500
EFFYS	IF	JEANS		TF	FB	1.00	105.10	3.00	1500
STRPS	IF	DEDLE		TF	FB	1.00	193.67	4.22	3000
DEDLE		EDMEF		RF	FB	1.00	(2.25 NM RADIUS CCW (CFFGQ))	3.48	2000
EDMEF		JEANS		TF	FB	1.00	105.00	1.79	1500
JEANS	PFAF	RW10	MAP	TF	FO	0.30	105.14	4.09	
RW10	MAP	HURTZ		TF	FO	1.00	105.20	13.51	2500

MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 ON TRACK 105.20 TO HURTZ AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- | | | | | | | | | | | | | | | | | |
|-----------------------------------|-----------------------|------------------------|------------------|-----------------|--------------|--------------------------|--|---------------------------|------|----------------|--|--|--|--|--|--|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) | | | | | | | | | | | |
| 2. PROFILE STARTS AT | JEANS | | | | | | | | | | | | | | | |
| 3. FAC: | 105.14 | PFAF: | JEANS | | | DIST PFAF TO MAP: | | DIST PFAF TO THLD: | | | | | | | | |
| 4. MIN ALT: | JEANS 1500 | | | | | | | | | | | | | | | |
| 5. DIST TO THLD FROM PFAF: | 4.09 | MM: | | IM: | | 150 HAT: | | 301 HAT: | 0.78 | GS ANT: | | | | | | |
| 6. MIN GP INCPT: | 1500 | GP ALT AT PFAF: | JEANS 1500 | | | OM: | | MM: | | IM: | | | | | | |
| 7. GP ANGLE: | 3.00 | 34:1: | IS CLEAR | | 20:1: | IS CLEAR | | TCH: | 54.8 | | | | | | | |
| 8. MSA FROM: | RW10 2600 | | | | | | | | | | | | | | | |

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -11°C OR ABOVE 54°C.
 CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.11 ALL CATS VISIBILITY TO RVR 4500, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 3/8 SM.

CHART SPEED ICON IN PLANVIEW AT ANCR: MAX 210 KIAS.
 CHART SPEED ICON IN PLANVIEW AT STRPS: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART R-4001B.
 HOLD E, RT, 285.38 INBOUND.
 CHART MANDATORY 4000 AT ANCR.
 CHART MANDATORY 4000 AT BEGUE.
 CHART MANDATORY 4000 AT STRPS.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA STANDARD

CATEGORY:	A			B			C			D			E			
	FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED																
RNP 0.11 DA	444	2400	301	444	2400	301	444	2400	301	444	2400	301				
RNP 0.30 DA	628	5000	485	628	5000	485	628	5000	485	628	5000	485				



CHANGES - REASONS

1. TERMINAL ROUTES: ADDED IAF REMMY-COLUM, IAF COLUM-EFFYS, IF EFFYS-JEANS, AND REMOVED IF COLUM-EDMEF AND EDMEF-JEANS. - PROCEDURE REDESIGN FOR NOISE ABATEMENT.
2. TERMINAL ROUTES: CHANGED ANCRR-BEGUE COURSE/DIST/ALT FROM 31.88/3.00/3500 TO 310.77/2.99/4000. - PROCEDURE REDESIGN FOR NOISE ABATEMENT.
3. TERMINAL ROUTES: CHANGED BEGUE-CTAVI DIST/ALT FROM 3.14/2600 TO 3.15/3500. - PROCEDURE REDESIGN FOR NOISE ABATEMENT.
4. TERMINAL ROUTES: CHANGED CATVI-VOBIH COURSE/DIST/ALT FROM 002.87/2.28/2200 TO 002.94/2.29/2800. - PROCEDURE REDESIGN FOR NOISE ABATEMENT.
5. TERMINAL ROUTES: CHANGED VOBIIH-JEANS COURSE/DIST FROM 2.32/4.13 TO 2.31/4.12. - PROCEDURE REDESIGN FOR NOISE ABATEMENT.
6. TERMINAL ROUTES: CHANGED STRPS-DEDLE COURSE/DIST/ALT FROM 207.82/3.01/3300 TO 193.67/4.22/3000. - PROCEDURE REDESIGN FOR NOISE ABATEMENT.
7. TERMINAL ROUTES: CHANGED DEDLE-EDMEF COURSE/DIST/ALT FROM 2.48/4.45/2200 TO 2.25/3.48/2000. - PROCEDURE REDESIGN FOR NOISE ABATEMENT.
8. TERMINAL ROUTES: CHANGED EDMEF-JEANS COURSE/DIST FROM 105.15/3.00 TO 105.00/1.79. - PROCEDURE REDESIGN FOR NOISE ABATEMENT.
9. TERMINAL ROUTES: CHANGED JEANS-RW10 COURSE FROM 105.13 TO 105.14 AND RW10-HURTRZ DIST FROM 13.36 TO 13.51. - AIRPORT DATA CHANGED AND MOVED FIX HURTZ.
10. PROFILE LINE 3: CHANGED FAC FROM 105.13 TO 105.14. - AIRPORT DATA CHANGED.
11. PROFILE LINE 7: CHANGED TCH FROM 55.9 TO 54.8. - MATCH ILS DESIGN TCH.
12. NOTES: CHANGED BARO-VNAV NOTE FROM "NA BELOW -12°C OR ABOVE 54°C" TO "NA BELOW -11°C OR ABOVE 54°C". - NEW WEATHER DATA.
13. NOTES: REMOVED 210 SPEED RESTRICTIONS AT BEGUE AND DEDLE AND ADDED 210 SPEED RESTRICTION AT ANCRR AND STRPS. - PROCEDURE REDESIGN FOR NOISE ABATEMENT.
14. ADDITIONAL FLIGHT DATA: REMOVED DISTANCE TO THLD FROM 453 HAT: 0.80 NM, CHART MINIMUM 2500 AT COLUM, CHART MANDATORY 1500 AT JEANS, # TCH 199.0 MSL (DO NOT CHART), ROUTE TYPE: A, H, ROUTE TYPE QUALIFIER 1:F, AND ROUTE TYPE QUALIFIER 2:S. - IAW 8260.19I.
15. ADDITIONAL FLIGHT DATA: ADDED MANDATORY 4000 AT BEGUE. - PROCEDURE REDESIGN FOR NOISE ABATEMENT.
16. ADDITIONAL FLIGHT DATA: ADDED CHART R-4001B. - PRIMARY HOLDING OVERLAPS AREA.
17. MINIMUMS: CHANGED 0.11 FROM 448/305 TO 444/301 AND CHANGED 0.30 FROM 626/483/6000 TO 628/485/5000. - NEW EVAL COMPLETED WITH NEW CONTROLLING OBSTS AND IAW 8260.3E.
18. PROFILE LINE 5: ADDED 301 HAT: 0.78. - IAW 8260.19I.

COORDINATED WITH:

A4A
 ALPA
 AOPA
 APA
 HAI
 NBAA
 OTHER: ZDC, POTOMAC APP CON, BWI ATCT, AMGR

FLIGHT CHECKED BY

MICHAEL G CAMPBELL

OFFICE

FPO

DATE

06/11/2024

DEVELOPED BY

ERIC N SUSKI (ANDRE TUCKER)

Digitally signed by

ERIC N SUSKI

Apr 29, 2024

OFFICE

AJV-A431

DATE

01/26/2024

APPROVED BY

ERIC N SUSKI

Digitally signed by

ERIC N SUSKI

Apr 29, 2024

OFFICE

AJV-A430

DATE

09/05/2024

TITLE

MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> BWI	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 10	<u>AMDT NO.</u> 3	<u>CITY</u> BALTIMORE	<u>STATE</u> MD	<u>AIRPORT ELEVATION</u> 143	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM REMMY **TO** COLUM

<u>RNP</u> 1.00	<u>DISTANCE</u> 5.88	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (24-000103)	391308.73N/0765829.07W	849	20	3	1A	1000				AT1148 AC3	3000
TERRAIN	391309.00N/0765830.00W	597 (600)								AS1500	2100

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

INITIAL

FROM COLUM **TO** EFFYS

<u>RNP</u> 1.00	<u>DISTANCE</u> 3.19	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	391015.00N/0765515.00W	719	215	8	4B	1000				AT573 AC8	2300
TERRAIN	391257.00N/0765309.00W	479 (500)								AS1500	2000

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



AIRPORT ID
BWI

PROCEDURE NAME
RNAV (RNP) Z RWY 10

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FACILITY
RNAV

INTERMEDIATE

FROM
ANCRR **TO**
BEGUE

RNP 1.00 **DISTANCE** 2.99 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (24-000341)	390147.90N/0764423.50W	685	500	125	5E	500				AC125 AT2690	4000
TERRAIN	390433.00N/0764436.00W	232 (200)								AS1500	1700

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

INTERMEDIATE STEPDOWN

FROM
BEGUE **TO**
CATVI

RNP 1.00 **DISTANCE** 3.15 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	390709.00N/0765148.00W	538	215	8	4B	500				AT2454 AC8	3500
TERRAIN	390533.00N/0764842.00W	298 (300)								AS1500	1800

COMPUTATIONS

RF SEGMENT **ALT** **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**
BEGUE-CATVI 4000 210 228.73 3856.6 43.52 3.46 17.34 (CFBBX)/3.15 NM

SEGMENT REMARKS:



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INTERMEDIATE STEPDOWN

FROM
CATVI **TO**
VOBIH

RNP 1.00 **DISTANCE** 2.29 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (24-000166)	390828.00N/0765221.00W	513	500	125	5E	500				AT1662 AC125	2800
TERRAIN	390751.00N/0765209.00W	390 (400)								AS1500	1900

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

INTERMEDIATE STEPDOWN

FROM
VOBIH **TO**
JEANS

RNP 1.00 **DISTANCE** 4.12 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	391233.00N/0764839.00W	637	215	8	4B	500				AT355 AC8	1500
TERRAIN	391218.00N/0764857.00W	429 (400)								AS1000	1400

COMPUTATIONS

RF SEGMENT **ALT** **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**
VOBIH-JEANS 2800 210 224.6 2656.6 46.31 2.31 24.84 (CFBBZ)/4.12 NM

SEGMENT REMARKS:



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RNAV (RNP) Z RWY 10

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FACILITY
RNAV

INTERMEDIATE

FROM
EFFYS **TO**
JEANS

RNP 1.00 **DISTANCE** 3.00 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	391251.00N/0764830.00W	693	215	8	4B	500				AC8	1300
TERRAIN	391251.00N/0764830.00W	492 (500)								AS1000	1500

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

INTERMEDIATE

FROM
STRPS **TO**
DEDLE

RNP 1.00 **DISTANCE** 4.22 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	391657.00N/0765333.00W	729	215	8	4B	500				AT1763 AC8	3000
TERRAIN	391700.00N/0765339.00W	528 (500)								AS1500	2000

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



AIRPORT ID
BWI

PROCEDURE NAME
RNAV (RNP) Z RWY 10

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FACILITY
RNAV

INTERMEDIATE STEPDOWN

FROM
DEDLE **TO**
EDMEF

RNP 1.00 **DISTANCE** 3.48 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	391345.00N/0765318.00W	693	215	8	4B	500				AC8	1300
TERRAIN	391318.00N/0765318.00W	488 (500)								AS1500	2000

COMPUTATIONS

RF SEGMENT **ALT** **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**
DEDLE-EDMEF 3000 210 225.28 2856.6 39.74 2.25 24.47 (CFFGQ)/3.48 NM

SEGMENT REMARKS:

INTERMEDIATE STEPDOWN

FROM
EDMEF **TO**
JEANS

RNP 1.00 **DISTANCE** 1.79 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	391251.00N/0764830.00W	693	215	8	4B	500				AC8	1300
TERRAIN	391251.00N/0764830.00W	493 (500)								AS1000	1500

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



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BWI

PROCEDURE NAME
RNAV (RNP) Z RWY 10

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FACILITY
RNAV

FINAL

FROM
JEANS

TO
RW10

RNP
0.11

DISTANCE
4.09

PAT

MAP
DA

HAT
301

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (24-030624)	391039.98N/0764157.69W	212	20	3	1A					AC3 MA40	444

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL

FROM
JEANS

TO
RW10

RNP
0.30

DISTANCE
4.09

PAT

MAP
DA

HAT
485

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	391109.00N/0764215.00W	347	215	8	4B					AC8	628

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



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FACILITY
RNAV

MISSED APPROACH: LEVEL SURFACE

FROM DA **TO** HURTZ

RNP
0.11-1.00

DISTANCE

PAT

MAP

HAT

HMAS
206

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (24-029182)	391032.62N/0764202.33W	205	20	3	1A		ASC				2500
STACK (24-000291)	391053.00N/0763217.00W	740	500	50	5D	1000					1800
TERRAIN	391109.00N/0764215.00W	246 (200)								AS1500	1700

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LEVEL SURFACE

FROM DA **TO** HURTZ

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
309

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2500
STACK (24-000291)	391053.00N/0763217.00W	740	500	50	5D	1000					1800
TERRAIN	391109.00N/0764215.00W	246 (200)								AS1500	1700

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



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RNAV

MSA

CENTER
RW10

RADIUS
25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
360-360	TOWER (24-000503)	393659.00N/0765136.00W	354	27.7	1598	500	125	5E	1000			2600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



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RNAV

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZDC ARTCC, PCT TRACON, BWI TOWER

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
ASOS	BWI	24	BWI	0	Y	0

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
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WX REMARKS:

SECONDARY WEATHER SOURCE NOT REQUIRED DUE TO 24 HOUR TOWER WITH ALTIMETER READING EQUIPMENT AND NATIONAL WEATHER SERVICE (24HRS).

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
			3

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW10 - ALSF-2, C/LINE, HIRL, TDZ, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW15L - HIRL, REIL, PAPI-4L	PIR-G	APPROACH, ROLL OUT
RW15R - MALSR, HIRL, C/LINE, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW28 - MALSR, C/LINE, HIRL, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW33L - MALSR, TDZ, C/LINE, HIRL, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW33R - MALSR, HIRL, REIL, PAPI-4L	PIR-G	APPROACH, ROLL OUT

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	141.4	54.8			3.00	71.4

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	550
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-11C	+54C	-11C	+14.72C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2018-2022).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 957 HIGH TEMP 1262.

"VISUAL PORTION OF FINAL" PENETRATIONS



AIRPORT ID
BWI

PROCEDURE NAME
RNAV (RNP) Z RWY 10

AMDT NO.
3

CITY
BALTIMORE

STATE
MD

AIRPORT ELEVATION
143

FACILITY
RNAV

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FEET TREE HEIGHT APPLIED PER FPT.

VDP NOT ESTABLISHED - RNP PROCEDURE.

APPROVAL LETTERS ON REQUEST FOR MANDATORY ALTITUDES AT ANCRR, BEGUE, AND STRPS.



PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.47
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.44
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	094.14
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	300
DISTANCE FROM	THLD	TO 1500FT POINT	6.49
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	094.14
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	500

THRESHOLD COORDINATES (IF STR-IN) 391028.69N/0764115.66W
 ARP COORDINATES 391032.62N/0764008.37W
 RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 10 DISTANCE 0.96 NM
 FAF COORDINATES 391046.56N/0764630.73W
 FIX NAME COORDINATES IF EFFYS 391059.51N/0765021.61W

REMARKS

THLD DISPLACED 550FT, ACTUAL COORDINATES: 391029.09N/0764122.62W

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.47
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.44
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	094.14
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	300
DISTANCE FROM	THLD	TO 1500FT POINT	7.41
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	*
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	400

THRESHOLD COORDINATES (IF STR-IN) 391028.69N/0764115.66W
 ARP COORDINATES 391032.62N/0764008.37W
 RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 10 DISTANCE 0.96 NM
 FAF COORDINATES 391046.56N/0764630.73W
 FIX NAME COORDINATES

REMARKS

RF FLT TRACK RADIUS 3.46 CENTERED ON CFBBX (390621.64N/0764451.15W).
 RF FLT TRACK RADIUS 2.31 CENTERED ON CFBBZ (390828.20N/0764643.59W).
 *1500 FOOT OF AIRSPACE LOCATED IN THE INTERMEDIATE BETWEEN VOBIIH (390808.78N/0764939.97W) AND JEANS (391046.56N/0764630.73W).
 THLD DISPLACED 550FT, ACTUAL COORDINATES: 391029.09N/0764122.62W

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE



<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
BWI	RNAV (RNP) Z RWY 10	3	BALTIMORE	MD	143	RNAV
DISTANCE FROM	THLD	TO 1000FT POINT			3.47	
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT			0.44	
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT			094.14	
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT			300	
DISTANCE FROM	THLD	TO 1500FT POINT			4.88	
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT			4.00	
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT			094.00	
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT			500	

THRESHOLD COORDINATES (IF STR-IN) 391028.69N/0764115.66W
ARP COORDINATES 391032.62N/0764008.37W
RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 10 DISTANCE 0.96 NM
FAF COORDINATES 391046.56N/0764630.73W
FIX NAME COORDINATES IF STRPS 391728.38N/0765114.67W

REMARKS
 RF FLT TRACK RADIUS 2.25 CENTERED ON CFFGQ (391308.83N/0764836.36W)
 1500 FOOT OF AIRSPACE LOCATED IN THE INTERMEDIATE BETWEEN EDMEF (391054.08N/0764848.47W) AND JEANS (391046.56N/0764630.73W).
 THLD DISPLACED 550FT, ACTUAL COORDINATES: 391029.09N/0764122.62W

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
ERIC N SUSKI (ANDRE TUCKER)	AJV-A431	01/26/2024	AERONAUTICAL INFORMATION SPECIALIST

