

**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.

<u>AIRPORT ID</u> KBWI	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 28	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> BALTIMORE	<u>STATE</u> MD		
<u>AIRPORT ELEVATION</u> 143	<u>TDZE</u> 143	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 28	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 02/04/2016	<u>MAG VAR</u> 11W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 24 MARCH 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
BILIT	IAF	ZUKBU		TF	FB	1.00	338.06	17.86	2000
ZUKBU		HURTZ		TF	FB	1.00	337.93	11.00	2000
HURTZ	IF	JURTI	PFAF	TF	FB	1.00	285.38	6.13	2000
JURTI	PFAF	RW28	MAP	TF	FO	0.30	285.30	5.70	
RW28	MAP	COLUM		TF	FO	1.00	285.21	11.74	2500

MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 ON TRACK 285.21 TO COLUM AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT HURTZ
3. FAC: 285.30 PFAF: JURTI DIST PFAF TO MAP: DIST PFAF TO THLD:
4. MIN ALT: HURTZ 2000, JURTI 2000
5. DIST TO THLD FROM OM: 5.70 MM: IM: 150 HAT: 378 HAT: 1.06 GS ANT:
6. MIN GP INCPT: 2000 GP ALT AT PFAF: JURTI 2000 OM: MM: IM:
7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 55.0
8. MSA FROM: RW28 2600



PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BILIT ON V308 EASTBOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 1/4.
CHART SPEED ICON IN PLANVIEW AT BILIT: MAX 250 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 11000 AT BILIT.
CHART MANDATORY 2000 AT HURTZ.
CHART MANDATORY 2000 AT JURTI.
HOLD W, LT, 105.05 INBOUND.
CHART FAS OBST: 166 TREE 391054N/0763815W.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

<u>CATEGORY:</u>	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 0.30 DA	521	4500	378	521	4500	378	521	4500	378	521	4500	378			

CHANGES - REASONS

1. REMOVED LEG RAVNN TO ZUKBU AND ASSOCIATED NOTE - FPT REQUEST DUE TO RAVNN BEING MOVED TO NEW LOCATION.
2. REMOVED ADDITIONAL FLIGHT DATA NOTE CHART MANDATORY 6000 AT RAVNN - RAVNN LEG REMOVED FROM PROCEDURE.
3. REMOVED CHART NOTE: GPS REQUIRED AND ADDED PBN REQUIREMENTS NOTE: RNP AR APCH - GPS - 8260.19I 8-6-8A (5)B.
4. UPDATED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12°C (11°F) OR ABOVE 54°C (130°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12°C OR ABOVE 54°C" - 8260.19I 8-6-9.
5. ADDED 20:1 IS CLEAR - 8260.19I 8-6-7.
6. UPDATED CHART NOTE FROM "FOR INOPERATIVE MALSR, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 1/4" TO "CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 1/4" - 8260.19I 86-110(3).
7. ADDED CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - 8260.19I 8-6-9M.



COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZDC, PCT TRACON, BWI TOWER, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE
FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

Digitally signed by

DATE

JON DENTON

Jan 25, 2022

DEVELOPED BY

Digitally signed by

CASEY HILL

CASEY D HILL

Jan 21, 2022

OFFICE

AJV-A432

DATE

11/02/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Jan 25, 2022

OFFICE

AJV-A430

DATE

TITLE
MANAGER