

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> BWI	<u>PROCEDURE NAME</u> RNAV (RNP) X RWY 33L	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> BALTIMORE	<u>STATE</u> MD
<u>AIRPORT ELEVATION</u> 143	<u>TDZE</u> 143	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 SEPTEMBER 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 11W <u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
KOOLZ	IAF	WICCA		TF	FB	1.00	356.98	6.29	3000
WICCA	IF	VGEA		TF	FB	1.00	356.57	4.40	1800
VGEA	PFAF	* RANKS		TF	FB	0.30	356.30	2.56	
RANKS		* BRDLE		RF	FB	0.30	(1.26 NM RADIUS CCW (CFLBT))	0.46	
BRDLE		* RW33L	MAP	TF	FO	0.30	335.23	2.05	
RW33L	MAP	479 MSL		CA			335.23		
479 MSL		BMORE		DF	FO	1.00			3000

MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 3000 DIRECT BMORE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT
- SIDE OF COURSE
- OUTBOUND
- FT WITHIN
- MILES OF (IAF)
2. PROFILE STARTS AT WICCA
3. FAC: *
- PFAF: VGEA
- DIST PFAF TO MAP:
- DIST PFAF TO THLD:
4. MIN ALT: WICCA 3000, VGEA 1800
5. DIST TO THLD FROM PFAF: 5.06
- MM:
- IM:
- 150 HAT:
- 336 HAT: 0.92
- GS ANT:
6. MIN GP INCPT: 1800
- GP ALT AT PFAF: VGEA 1800, RANKS 986, BRDLE 839
- OM:
- MM:
- IM:
7. GP ANGLE: 3.00
- 34:1: IS CLEAR
- 20:1: IS CLEAR
- TCH: 55.4
8. MSA FROM: RW33L 2600



PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS, RF.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -11°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART SPEED ICON IN PLANVIEW AT KOOLZ: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 155.10 INBOUND.
CHART MANDATORY 5000 AT KOOLZ.

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 0.30 DA*	479	2600	336	479	2600	336	479	2600	336	479	2600	336			

CHANGES - REASONS

ORIGINAL PROCEDURE.

COORDINATED WITH:

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

FLIGHT CHECKED BY

MICHAEL G CAMPBELL

Digitally signed by

ERIC N SUSKI

Jul 25, 2024

OFFICE

FPO

DATE

07/23/2024

DEVELOPED BY

ERIC N SUSKI (JUDITH TUTTLE)

Digitally signed by

ERIC N SUSKI

Jun 13, 2024

OFFICE

AJV-A431

DATE

01/31/2024

APPROVED BY

ERIC N SUSKI

Digitally signed by

ERIC N SUSKI

Jun 13, 2024

OFFICE

AJV-A431

DATE

TITLE

MANAGER

