

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, 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 in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW33R					
DUDDS (IF)		ORIORL (FB)		335.33 / 6.25				2000		CLIMB TO 3000 DIRECT KRENE AND HOLD.					
ORIORL (FAF)		EXEVE/2.50 NM TO RW33R (FB)		335.28 / 3.27											
EXEVE/2.50 NM TO RW33R		RW33R (MAP) (FO)		335.28 / 2.50						ADDITIONAL FLIGHT DATA: HOLD NW, RT, 155.23 INBOUND. CHART FAS OBST: 214 TREE 391056N/0763916W DISTANCE TO THLD FROM 209 HAT: 0.55 NM. CHART VDP AT 1.12 MILES TO RW33R* WAAS CHANNEL # 69208 REFERENCE PATH ID: W33B LTP HAE: 2.1 M CHART CIRCLING ICON.					
RW33R (MAP)		333 MSL		335.28											
333 MSL		KRENE (FO)						3000							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 11W EPOCH YEAR: 2000					
2. PROFILE STARTS AT DUDDS															
3. FAC: 335.28 FAF: ORIORL DIST FAF TO MAP: 5.77 THLD: 5.77															
4. MIN. ALT: DUDDS 3000, ORIORL 2000, EXEVE/2.50 NM TO RW33R 940*															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: 2000 GS ALT AT: ORIORL 2000 OM: _____ MM: _____ IM: _____															
7. GS ANGLE: 3.00 TCH: 47.3 34:1 IS CLEAR															
8. MSA FROM: RW33R 2600															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD									
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	333	4000	209	333	4000	209		NA			NA				
LNAV/VNAV DA	406	4000	292	406	4000	292		NA			NA				
LNAV MDA	520	4000	396	520	4000	396		NA			NA				
CIRCLING	640	1	497	660	1	517		NA			NA				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -13C (-9F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 5000. AND LNAV ALL CATS VISIBILITY TO RVR 5500. *LNAV ONLY															
(CONTINUED ON PAGE 2)															
CITY AND STATE BALTIMORE, MD		ELEVATION: 143 TDZE: 124 AIRPORT NAME: BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33R, AMDT 4 02/04/2016				SUP: AMDT: 3A DATED 05/29/2014					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 33L.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV, ALL CATS.

CITY AND STATE

BALTIMORE, MD

ELEVATION: 143

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AIRPORT NAME:

BALTIMORE/WASHINGTON INTL THURGOOD
MARSHALL

FACILITY
IDENTIFIER:
RNAV

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RNAV (GPS) RWY 33R, AMDT 4
02/04/2016

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**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBWI
RUNWAY	RW33R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33B
LTP/FTP LATITUDE	391034.4480N
LTP/FTP LONGITUDE	0763911.6300W
LTP/FTP ELLIPSOIDAL HEIGHT	+00021
FPAP LATITUDE	391146.8015N
FPAP LONGITUDE	0764018.6235W
THRESHOLD CROSSING HEIGHT (TCH)	00047.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 956F586F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00348
FPAP ORTHOMETRIC HEIGHT	+00348

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PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 33R, AMDT 4
02/04/2016

SUP:

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DATED: 05/29/2014

 QUALITY
18
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KBWI

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
	010	DUDDS	IF	FB								AA 03000		E I
	020	ORIOI	TF	FB	0.5	335.3				RW33R		AA 02000		E F
	021	EXEVE	TF	FB	0.3	335.3		3.00				AA 00940 GS 00957		E S
	030	RW33R	TF	FO	0.3	335.3		3.00				AT 00161		GY M
	040		CA	FB		335.3						AA 00333		M
	050	KRENE	DF	FO								AA 03000		EY
	060	KRENE	HM	FO		155.2			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
DUDDS	N390048.21	W0763010.61
EXEVE	N390832.62	W0763718.93
KRENE	N392058.90	W0764851.28
ORIOI	N390553.04	W0763451.52

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW33R	N391034.45	W0763911.63	00114	47.3



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