

<b>RNAV - STANDARD</b> <b>INSTRUMENT APPROACH PROCEDURE</b> <b>TITLE 14 CFR PART 97.33</b>				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.											
<b>TERMINAL ROUTES</b>										<b>MISSED APPROACH</b>					
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW15L  CLIMB TO 2500 DIRECT DUDDS AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, LT, 335.32 INBOUND. CHART FAS OBST: 339 TREE 391157N/0764054W DISTANCE TO THLD FROM 402 HAT: 1.10 NM. CHART VDP AT 1.29 MILES TO RW15L* WAAS CHANNEL # 40108 REFERENCE PATH ID: W15A LTP HAE: 10.5 M CHART CIRCLING ICON.						
KRENE (IF)		MNKEY (FB)		155.17 / 3.00			2500								
MNKEY		ZOWEE (FB)		155.17 / 3.00			2100								
ZOWEE (FAF)		ADCOK/2.50 NM TO RW15L (FB)		155.17 / 3.50											
ADCOK/2.50 NM TO RW15L		RW15L (MAP) (FO)		155.17 / 2.50											
RW15L (MAP)		543 MSL		155.17			2500								
543 MSL		DUDDS (FO)													
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT KRENE 3. FAC: 155.17 FAF: ZOWEE DIST FAF TO MAP: 6.00 THLD: 6.00 4. MIN. ALT: KRENE 3000, MNKEY 2500, ZOWEE 2100, ADCOK/2.50 NM TO RW15L 980* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2100 GS ALT AT: ZOWEE 2100 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 47.4 34:1 IS NOT CLEAR 8. MSA FROM: RW15L 2600										MAG VAR: 11W		EPOCH YEAR: 2000			
<b>MINIMUMS</b>															
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	544	1 3/8	402	544	1 3/8	402		NA			NA				
LNAV/VNAV DA	656	1 3/4	514	656	1 3/4	514		NA			NA				
LNAV MDA	600	5500	458	600	5500	458		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 NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 15R. CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.															
(CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 143 TDZE: 142		AIRPORT NAME:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
BALTIMORE, MD				BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL		RNAV		RNAV (GPS) RWY 15L, AMDT 4 02/04/2016				AMDT: 3B			
												DATED 08/21/2014			



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: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART PLANVIEW NOTE: RADAR REQUIRED.

\*LNAV ONLY



CITY AND STATE BALTIMORE, MD	ELEVATION: 143 TDZE: 142 AIRPORT NAME: BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15L, AMDT 4 02/04/2016	SUP:
				AMDT: 3B
				DATED: 08/21/2014

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

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**FAS DATA BLOCK INFORMATION****DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBWI
RUNWAY	RW15L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	391114.5440N
LTP/FTP LONGITUDE	0763948.7445W
LTP/FTP ELLIPSOIDAL HEIGHT	+00105
FPAP LATITUDE	391002.1890N
FPAP LONGITUDE	0763841.7640W
THRESHOLD CROSSING HEIGHT (TCH)	00047.4
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

**CRC REMAINDER**

183C3089

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00431
FPAP ORTHOMETRIC HEIGHT	+00431

QUALITY  
18  
CHECKED

CITY AND STATE  BALTIMORE, MD	ELEVATION: 143 AIRPORT NAME: BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL	TDZE: 142	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 15L, AMDT 4 02/04/2016	SUP:
					AMDT: 3B
					DATED: 08/21/2014

**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	KRENE	IF	FB								AA 03000		E I
	011	MNKEY	TF	FB	0.5	155.2						AA 02500		E
	020	ZOWEE	TF	FB	0.5	155.2				RW15L		AA 02100		E F
	021	ADCOK	TF	FB	0.3	155.2		3.00				AA 00980 GS 00984		E S
	030	RW15L	TF	FO	0.3	155.2		3.00				AT 00189		GY M
	040		CA	FB		155.2						AA 00543		M
	050	DUDDS	DF	FO								AA 02500		EY
	060	DUDDS	HM	FO		335.3			L			AA 02500		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ADCOK	N391316.34	W0764141.56
DUDDS	N390048.21	W0763010.61
KRENE	N392058.90	W0764851.28
MNKEY	N391832.82	W0764635.51
ZOWEE	N391606.85	W0764419.83

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW15L	N391114.54	W0763948.74	00142	47.4

CITY AND STATE <b>BALTIMORE, MD</b>	ELEVATION: <b>143</b> TDZE: <b>142</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 15L, AMDT 4</b>  <b>02/04/2016</b>	SUP:
	AIRPORT NAME: <b>BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL</b>			AMDT: <b>3B</b>
				DATED: <b>08/21/2014</b>

