

RNAV (RNP) - 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.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	RNP: DA											
JETNA (IAF)	LIYCO (TF) (FB) (RNP 1.00)	352.18 / 6.64	3500	CLIMB TO 3000 ON TRACK 335.21 TO BMORE AND HOLD.											
LIYCO (IF)	MILRE (TF) (FB) (RNP 0.30)	351.91 / 6.74	1700												
MILRE	GRAFE (RF) (FB) (RNP 0.30)	(2.50 NM RADIUS CCW (CFFHP))/0.73	1500												
JANNS (IF)	SPLAT (TF) (FB) (RNP 1.00)	335.31 / 5.55	2400												
SPLAT	GRAFE (TF) (FB) (RNP 1.00)	335.25 / 3.11	1500	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 155.10 INBOUND. #TCH: 187.4 MSL (DO NOT CHART) DISTANCE TO THLD FROM 353 HAT: 0.93 NM. ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S ROUTE TYPE: A, H CHART MINIMUM 6000 AT JETNA. CHART MANDATORY 4000 AT KEEYY. CHART MINIMUM 4000 AT JANNS. CHART TDZE 143.											
(SEE FORM 8260-10)															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				MAG VAR: 11W EPOCH YEAR: 2000											
2. PROFILE STARTS AT GRAFE															
3. FAC: <u>335.25</u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u>															
4. MIN. ALT: GRAFE 1500															
5. DIST TO THLD FROM OM: <u>4.12</u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>															
6. MIN GS INCPT: <u>1500</u> GS ALT AT: GRAFE 1500 OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: <u>3.00</u> TCH: <u>55.2</u> 34:1 IS CLEAR															
8. MSA FROM: RW33L 2800															
MINIMUMS															
TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>				ALTERNATE: N A <u> </u> STANDARD <u> </u>											
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
AUTHORIZATION REQUIRED															
RNP 0.30 DA	496	3400	353	496	3400	353	496	3400	353	496	3400	353			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C (11F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 5700. CHART NOTE: GPS REQUIRED. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 146 TDZE: 143		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
BALTIMORE, MD		AIRPORT NAME: BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL				RNAV (RNP) Z RWY 33L, AMDT 3 11 DECEMBER 2014				AMDT: 2A					
										DATED 05/29/2014					

QUALITY
14
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
**RNAV (RNP) - STANDARD,
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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
KEEYY (IF)	LABPI (TF) (FB) (RNP 1.00)	212.63 / 6.03	3100
LABPI	GRAFE (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CW (CFFHN))/5.35	1500
GRAFE (FAF)	RW33L (MAP) (TF) (FO)	335.25 / 4.12	
RW33L (MAP)	BMORE (TF) (FO) (RNP 1.00)	335.21 / 14.02	3000

NOTES, (CONT.):

CHART PLANVIEW NOTE AT JETNA : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT JANNS : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT KEEYY : MAX 210 KIAS.
 CHART PLANVIEW NOTE ADJACENT TO JETNA: RF REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO KEEYY: RF REQUIRED.
 CHART PLANVIEW NOTE AT JETNA: (RNP 0.30).
 CHART PLANVIEW NOTE ADJACENT JANNS: RADAR REQUIRED FOR PROCEDURE ENTRY AT JANNS.
 CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

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BALTIMORE, MD

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IDENTIFIER:
RNAV

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RNAV (RNP) Z RWY 33L, AMDT 3

11 DECEMBER 2014

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ARINC PACKET - 424-18 - RNAV (RNP)

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAEAENRT	KEEYY K60	W	N39124316W076281562				W0113	NAR	KEEYY			
	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KBWIK6ABWI	0	105YHN39103580W076400990W011000146					1800018000C	MNAR	BALTIMORE/WASHINGTON INTL THUR			
	1	2	3	4	5	6	7	8	9	0	1	2	3
TRM WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KBWIK6CBMORE K60	C	N39211749W076502233					W0111	NAR	BMORE			
	SUSAP KBWIK6CCFFHN K60	A	N39080200W076340608					W0112	NAR	CNF (CFFHN)			
	SUSAP KBWIK6CCFFHP K60	A	N39050653W076391888					W0111	NAR	CNF (CFFHP)			
	SUSAP KBWIK6CGRAFE K60	C	N39063430W076364253					W0112	NAR	GRAFE			
	SUSAP KBWIK6CJANNS K60	C	N38593232W076301323					W0112	NAR	JANNS			
	SUSAP KBWIK6CJETNA K60	W	N38531575W076304204					W0112	NAR	JETNA			
	SUSAP KBWIK6CLABPI K60	W	N39070676W076310685					W0112	NAR	LABPI			
	SUSAP KBWIK6CLIYCO K60	W	N38593318W076332688					W0112	NAR	LIYCO			
	SUSAP KBWIK6CMILRE K60	W	N39055576W076361685					W0112	NAR	MILRE			
	SUSAP KBWIK6CSPLAT K60	C	N39040288W076342259					W0112	NAR	SPLAT			
	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KBWIK6FH33LZ AJANNS	010JANNSK6PCOE	B IF						+ 04000	18000210		A-FS	
	SUSAP KBWIK6FH33LZ AJANNS	020SPLATK6PCOE	010TF						+ 02400			A FS	
	SUSAP KBWIK6FH33LZ AJANNS	030GRAFEK6PCOE	010TF						+ 01500			A FS	
	SUSAP KBWIK6FH33LZ AJETNA	010JETNAK6PCOE	A IF						+ 06000	18000210		A-FS	
	SUSAP KBWIK6FH33LZ AJETNA	020LIYCOK6PCOE	B 010TF						+ 03500			A FS	
	SUSAP KBWIK6FH33LZ AJETNA	030MILREK6PCOE	031TF						+ 01700			A FS	
	SUSAP KBWIK6FH33LZ AJETNA	040GRAFEK6PCOE	L031RF		0025003519		33530007		+ 01500		CFFHP K6PCA	FS	
	SUSAP KBWIK6FH33LZ AKEEYY	010KEEYYK6EA0E	B IF						04000	18000210		A-FS	
	SUSAP KBWIK6FH33LZ AKEEYY	020LABPIK6PCOE	010TF						+ 03100			A FS	
	SUSAP KBWIK6FH33LZ AKEEYY	030GRAFEK6PCOE	R010RF		0025002126		33530054		+ 01500		CFFHN K6PCA	FS	
	SUSAP KBWIK6FH33LZ H	020GRAFEK6PC1E	F IF						+ 01500	18000	RW33LBK6PGA	FS	
	SUSAP KBWIK6FH33LZ H	020GRAFEK6PC2W								A031		FS	
	SUSAP KBWIK6FH33LZ H	030RW33LK6PGOGY	M 031TF						00187	-300		A FS	
	SUSAP KBWIK6FH33LZ H	040BMOREK6PCOEYM	010TF						+ 03000			A FS	
	SUSAP KBWIK6FH33LZ H	050BMOREK6PCOE	R HM				15510040		+ 03000			A FS	

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BALTIMORE, MD

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11 DECEMBER 2014

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RUNWAY 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KBWIK6GRW33L 0095003352 N39095514W076394833+0070 +0007600132050055150IIRUX1

1 2 3 4 5 6 7 8 9 0 1 2 3
MSA 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KBWIK6SRW33LK6PGB 0 18018002825 M

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	JANNS	JANNS	010		IF		FB				AA 04000	AB 210
	JANNS	SPLAT	020		TF		FB	1.0			AA 02400	
	JANNS	GRAFE	030		TF		FB	1.0			AA 01500	
	JETNA	JETNA	010	IAF	IF		FB				AA 06000	AB 210
	JETNA	LIYCO	020		TF		FB	1.0			AA 03500	
	JETNA	MILRE	030		TF		FB	0.3			AA 01700	
	JETNA	GRAFE	040		RF	L	FB	0.3		000.7	AA 01500	
	KEEYY	KEEYY	010		IF		FB				AT 04000	AB 210
	KEEYY	LABPI	020		TF		FB	1.0			AA 03100	
	KEEYY	GRAFE	030		RF	R	FB	1.0		005.4	AA 01500	
		GRAFE	020	FAF	IF		FB				AA 01500	
		RW33L	030	MAP	TF		FO	0.3			AT 00187	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BMORE	040		TF		FO	1.0			AA 03000	
	BMORE	050		HM	R	FO		155.1 (144.1T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	KEEYY	N391243.16	W0762815.62	N3912.719	W07628.260
	BMORE	N392117.49	W0765022.33	N3921.292	W07650.372
	CFFHN	N390802.00	W0763406.08	N3908.033	W07634.101
	CFFHP	N390506.53	W0763918.88	N3905.109	W07639.315
	GRAFE	N390634.30	W0763642.53	N3906.572	W07636.709
	JANNS	N385932.32	W0763013.23	N3859.539	W07630.221
	JETNA	N385315.75	W0763042.04	N3853.263	W07630.701
	LABPI	N390706.76	W0763106.85	N3907.113	W07631.114
	LIYCO	N385933.18	W0763326.88	N3859.553	W07633.448
	MILRE	N390555.76	W0763616.85	N3905.929	W07636.281
	SPLAT	N390402.88	W0763422.59	N3904.048	W07634.377
	RW33L	N390955.14	W0763948.33	N3909.919	W07639.806

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW33L	00132	55

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	AIRPORT NAME: BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL				AMDT:		2A
					DATED:		05/29/2014