

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: RW28 CLIMB TO 2500 DIRECT COLUM AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, LT, 105.05 INBOUND. CHART FAS OBST: 214 TREE 391056N/0763916W. CHART 740 STACK 391053N/0763217W. DISTANCE TO THLD FROM 200 HAT: 0.50 NM. CHART VDP AT 0.92 NM TO RW28* *LNAV ONLY. WAAS CHANNEL # 48808 REFERENCE PATH ID: W28A CHART CIRCLING ICON. LTP HAE: 6.9 M									
HURTZ (IF)		JURTI (TF) (FB) (RNP 1.00)			285.38 / 6.13			2000											
JURTI (FAF)		ZIXUS/2.00 NM TO RW28 (TF) (FB) (RNP 0.30)			285.30 / 3.70														
ZIXUS/2.00 NM TO RW28		RW28 (MAP) (TF) (FO) (RNP 0.30)			285.30 / 2.00														
RW28 (MAP)		343 MSL (CA)			285.30			2500		ADDITIONAL FLIGHT DATA: HOLD W, LT, 105.05 INBOUND. CHART FAS OBST: 214 TREE 391056N/0763916W. CHART 740 STACK 391053N/0763217W. DISTANCE TO THLD FROM 200 HAT: 0.50 NM. CHART VDP AT 0.92 NM TO RW28* *LNAV ONLY. WAAS CHANNEL # 48808 REFERENCE PATH ID: W28A CHART CIRCLING ICON. LTP HAE: 6.9 M									
343 MSL		COLUM (DF) (FO) (RNP 1.00)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT HURTZ 3. FAC: 285.30 FAF: JURTI DIST FAF TO MAP: 5.70 THLD: 5.70 4. MIN. ALT: HURTZ 2000, JURTI 2000, ZIXUS/2.00 NM TO RW28 820* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: JURTI 2000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.0 20:1 IS CLEAR 34:1 IS CLEAR 8. MSA FROM: RW28 2600																MAG VAR: 11W		EPOCH YEAR: 2000	
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**	343	2400	200	343	2400	200	343	2400	200	343	2400	200							
LNAV/VNAV DA	395	2400	252	395	2400	252	395	2400	252	395	2400	252							
LNAV MDA	480	2400	337	480	2400	337	480	2600	337	480	2600	337							
CIRCLING	640	1	497	660	1	517	700	1 1/2	557	860	2 1/4	717							
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 54C (130F). @ CAT D 800-2 1/4 *LNAV ONLY CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4000. CHART NOTE: ** RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. PBN REQUIREMENTS NOTE: RNP APCH.																			
CITY AND STATE BALTIMORE, MD				ELEVATION: 143 TDZE: 143 AIRPORT NAME: BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 28, AMDT 2C				SUP:						
													AMDT: 2B						
													DATED 08/17/2017						



ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
A4A <div><input checked="" type="checkbox"/></div>	ALPA <div><input checked="" type="checkbox"/></div>	AOPA <div><input checked="" type="checkbox"/></div>	APA <div><input checked="" type="checkbox"/></div>	HAI <div><input type="checkbox"/></div>	NBAA <div><input checked="" type="checkbox"/></div>
OTHER (specify)				<div><input checked="" type="checkbox"/> ZDC, PCT TRACON, BWI TOWER, AIRPORT MANAGER., ATA</div>	
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
VICTOR B. NASO (PETE BUSSEY)				AJV-5413	12/07/2017
APPROVED BY					
NAME:				FIFO	DATE:
GEORGE DAVIS				AJV-5410	
MANAGER					
CHANGES:					
<div>1. CHANGED CONTROLLING OBSTS TO CIRCLING CAT B 342 ANTENNA 24-030710, CIRCLING CAT C 383 TREE 24-029417. NO CHANGE TO MINIMUMS.</div> <div>2. CHANGED LNAV/VNAV DA FROM 393/HAT 250 TO 395/HAT 252, ALL CATS, DUE TO MISSED PENETRATION.</div> <div>3. CHANGED INTERMEDIATE RNP VALUE FROM .50 TO 1.00.</div> <div>4. CHANGED CONTROLLING OBST NUMBER FOR LNAV STEPDOWN FROM KBWIT004125 TO 24-026384.</div> <div>5. UPDATED CHART NOTE: FROM: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500. TO: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4000.</div> <div>6. DELETED NOTE: DME/DME RNP-0.3 NA.</div> <div>7. CHART PBN NAVSPEC REQUIREMENT NOTE: RNP APCH.</div> <div>8. DELETED RADAR REQUIRED NOTE FROM PLANVIEW.</div> <div>9. ADDED REMARK KBWI ON WMSCR.</div> <div>10. INCORPORATED PUBLISHED P NOTAM.</div> <div>11. ADDED 20:1 IS CLEAR.</div>					
REASONS:					
<div>1, 2. NEW OBST IPDS EVALUATION.</div> <div>3. IAW 8260.58A TABLE 1-2-1.</div> <div>4. NEW OBST NUMBERING FORMAT.</div> <div>5. INOP TABLE.</div> <div>6, 7, 8. IAW 8260.19H PARA 8-6-8.</div> <div>9. IAW 8260.19H PARA 8-6-9.</div> <div>10. ADDED ** 1800 RVR NOTE.</div> <div>11. IAW 8260.19H PARA 8-6-7G.</div>					



**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	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	391021.9880N
LTP/FTP LONGITUDE	0763918.4805W
LTP/FTP ELLIPSOIDAL HEIGHT	+00069
FPAP LATITUDE	391029.0895N
FPAP LONGITUDE	0764122.6260W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 4A8B71CE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00396
FPAP ORTHOMETRIC HEIGHT	+00396

QUALITY
16
CHECKED

CITY AND STATE BALTIMORE, MD	ELEVATION: 143 TDZE: 143 AIRPORT NAME: BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 28, AMDT 2C	SUP:
				AMDT: 2B
				DATED: 08/17/2017

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: <div><div>A4A<div></div></div><div>ALPA<div></div></div><div>APA<div></div></div><div>AOPA<div></div></div><div>HAI<div></div></div><div>NBAA<div></div></div><div>OTHER (specify)<div></div></div></div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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PART - A OBSTRUCTION DATA

[illegible]

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: THRESHOLD DISPLACED 699 FEET. PRECIPITOUS TERRAIN EVALUATION COMPLETED. ORDER 8260.3 CHAPTER 2 APPLIED TO 740 STACK 391053N/0763217W. CRITICAL TEMPERATURES: CRITICAL LOW :-12C (+11F) CRITICAL HIGH :+54C (+130F) ACT :-12C APT ISA :+14.72C CRITICAL TEMPERATURE REMARKS AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2009-2014). CRITICAL LOW TEMPERATURE BASED ON ACT. DESCENT RATE (FPM): STANDARD TEMP 956 HIGH TEMP 1115. ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.81NM CAT C: 2.84NM CAT D: 3.71NM NO ADDITIONAL AIRSPACE REQUIRED. MAXIMUM VEGETATION HEIGHT 100 FEET PER FPT. PROCEDURE DESIGNED PER ATC REQUEST, WITHOUT IAF DUE TO AIRSPACE CONSTRAINTS/TRAFFIC FLOW. OBSTACLE 11 VERIFIED ON QUAD CHART (2C ACCURACY CODE APPLIED). VGSI DATA: 3.00/55. TAA NA, PER FPT/ATC REQUEST. PROCEDURAL TCH 55.00 UTILIZED TO MATCH ILS RWY 28 PROCEDURE. LPV SLOPE: 34:1. LNAV/VNAV SLOPE: 23.09:1. CRITICAL LOW TEMP BASED ON ACT. TEMPERATURE LIMITS, DELTA ISA LOW, AND DESCENT VALUES DERIVED FROM AFS-400 CALCULATOR. SECONDARY WEATHER SOURCE NOT REQUIRED DUE TO 24 HOUR TOWER WITH ALTIMETER READING EQUIPMENT AND NATIONAL WEATHER SERVICE (24HRS). KBWI ON WMSCR.														
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE				3. ALTIMETER SETTING																
BW I TOWER ZDC ARTCC PCT TRACON				X	N W S	OTHER: ASOS			SOURCE:KBWI															
									DISTANCE:															
									HOURS REMOTE OPERATION: 24															
SATISFACTORY ON:				X	V H F	X	U H F	H F	LOCATION: KBWI/KBWI											ADJUSTMENT: 0				
4. MONITOR STATUS									PRIMARY NAVAID:															
MONITOR POINT:																								
5. APPROACH & RUNWAY LIGHTING				X	ALS F-2 10	(S) SALS																		
				X	MALSR 15R, 28, 33L, 33R	HIRL 10, 15L, 15R, 28, 33L, 33R																		
				X	MIRL	REIL 15L, 33R																		
				X	TDZ 10, 33L	C/L 10, 15R, 28, 33L																		
				X	OTHER (SPECIFY) PAPI-4R 10, 15R PAPI-4L 15L, 28, 33L, 33R																			
6. RUNWAY MARKINGS				BASIC	ALL WEATHER PIR-G 10, 15L, 15R, 28, 33L, 33R																			
7. RUNWAY VISUAL RANGE				APPROACH	10, 15L, 15R, 28, 33L, 33R																			
8. GLIDE PATH				GP ANGLE: 3.00	ELEV RWY THRESHOLD:129.8																			
9. FINAL APPROACH COURSE AIMING				X	RUNWAY THRESHOLD FT. FROM THRESHOLD																			
10. WAIVERS: NONE				X	ON CENTERLINE FT. FROM CENTERLINE																			
PART D - PREPARED BY: VICTOR B. NASO (PETE BUSSEY)					DATE: 12/07/2017																			
TITLE: AERONAUTICAL INFORMATION SPECIALIST					OFFICE: AJV-5413																			

