

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION INSTRUMENT APPROACH PROCEDURE FEDERAL AVIATION ADMINISTRATION 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: RW24 CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 DIRECT CAPUN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 176.10 INBOUND. 1100 AAO 333551N/0864036W CHART FAS OBST: 998 TREE 333531N/0864110W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.72 NM TO RW24* *LNAV ONLY. WAAS CHANNEL # 53605 REFERENCE PATH ID: W24A LTP HAE: 166 M						
VUZ VORTAC		SPATT (TF) (FO) (RNP 2.00)			089.83 / 17.89			3600								
SPATT (IF/IAF)		HUKEV (TF) (FB) (RNP 1.00)			238.58 / 4.26			2700								
HUKEV		LOWGA (TF) (FB) (RNP 1.00)			238.51 / 3.13			2200								
LOWGA (FAF)		CUXOB/3.30 NM TO RW24 (TF) (FB) (RNP 0.30)			238.52 / 1.43											
CUXOB/3.30 NM TO RW24		RW24 (MAP) (TF) (FO) (RNP 0.30)			238.52 / 3.30											
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE SPATT, RT, 238.58 INBOUND, 3300 FT. IN LIEU OF PT (IAF) 3. FAC: 238.52 FAF: LOWGA DIST FAF TO MAP: 4.73 THLD: 4.73 4. MIN. ALT: SPATT 3300, HUKEV 2700, LOWGA 2200, CUXOB/3.30 NM TO RW24 1740* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2200 GS ALT AT: LOWGA 2200 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 51.9 34:1 IS NOT CLEAR 8. MSA FROM: RW24 3100																
										MAG VAR: 3W			EPOCH YEAR: 2010			
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**	841	2400	200	841	2400	200	841	2400	200	841	2400	200	841	2400	200	
LNAV/VNAV DA	1200	1 1/2	559	1200	1 1/2	559	1200	1 1/2	559	1200	1 1/2	559	1200	1 1/2	559	
LNAV MDA	1260	4000	619	1260	4000	619	1260	1 3/8	619	1260	1 3/8	619	1260	1 3/8	619	
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8C (18F) OR ABOVE 54C (130F). CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT SPATT ON V209 SOUTHWEST BOUND. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 650 TDZE: 641			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:				
BIRMINGHAM, AL		AIRPORT NAME:			BIRMINGHAM-SHUTTLESWORTH INTL		RNAV (GPS) Y RWY 24, AMDT 4A					AMDT: 4				
							9 NOVEMBER 2017					DATED 08/17/2017				

QUALITY
 10
 CHECKED

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW24 (MAP)	1300 MSL (CA)	238.52	1300
1300 MSL	CAPUN (DF) (FO) (RNP 1.00)		3000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON VUZ VORTAC AIRWAY RADIALS 346 CW 159.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV ALL CATS VISIBILITY TO 1 7/8 SM AND LNAV CAT A/B VISIBILITY TO RVR 5500, AND CAT C/D/E TO 1 3/4 SM.
CHART NOTE: ** RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

QUALITY
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CITY AND STATE
BIRMINGHAM, AL

ELEVATION: 650 TDZE: 641
AIRPORT NAME:
BIRMINGHAM-SHUTTLESWORTH INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 24, AMDT 4A
9 NOVEMBER 2017

SUP:
AMDT: 4
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**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	KBHM
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	333417.7740N
LTP/FTP LONGITUDE	0864432.4865W
LTP/FTP ELLIPSOIDAL HEIGHT	+01660
FPAP LATITUDE	333317.2060N
FPAP LONGITUDE	0864617.6485W
THRESHOLD CROSSING HEIGHT (TCH)	00051.9
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

CRC REMAINDER

DC7B449F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01952
FPAP ORTHOMETRIC HEIGHT	+01952

CITY AND STATE

BIRMINGHAM, AL

ELEVATION: 650

TDZE: 641

AIRPORT NAME:

BIRMINGHAM-SHUTTLESWORTH INTL

FACILITY
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