

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29										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		ILS: DA LOC: I-ROE 1.94 DME FIX										
TDG VOR/DME				SPATT INT/I-ROE 14.06 DME			282.99 / 25.93				3300		CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 DIRECT VUZ VORTAC AND HOLD (TACAN AIRCRAFT CONTINUE VIA VUZ VORTAC R-333 TO SIPSY/VUZ 14.81 DME AND HOLD NW, RT, 152.79 INBOUND), OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO (SEE FORM 8260-10) ADDITIONAL FLIGHT DATA: HOLD NE, RT, 226.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE SPATT INT/I-ROE 14.06 DME, RT, 238.48 INBOUND. FAS OBST: 939 TREE 333544N/0864242W CHART VDP AT 3.48 DME* DISTANCE VDP TO THLD 1.54 MILES. *LOC ONLY. CHART IN PLANVIEW ONLY TDG 25.93 DME AT SPATT.										
VUZ VORTAC				SPATT INT/I-ROE 14.06 DME			084.83 / 17.89				3300												
SPATT INT/I-ROE 14.06 DME (IF/IAF)				HUKEV/I-ROE 9.80 DME			238.48 / 4.26 (I-ROE)				2700												
HUKEV/I-ROE 9.80 DME				LOWGA/I-ROE 6.67 DME			238.48 / 3.13 (I-ROE)				2200												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 3W EPOCH YEAR: 2010									
2. HOLD NE SPATT, RT, 238.48 INBOUND, 3300 FT. IN LIEU OF PT (IAF)																							
3. FAC: 238.48 FAF: LOWGA/I-ROE 6.67 DME DIST FAF TO MAP: _____ THLD: 4.73																							
4. MIN. ALT: HUKEV 2700, LOWGA 2200, CUXOB/I-ROE 5.24 DME 1740*																							
5. DIST TO THLD FROM OM: _____ - _____ MM: _____ - _____ IM: _____ 150 HAT: _____ - _____ 100 HAT: _____ - _____ GS ANT: 1234																							
6. MIN GS INCPT: 2200 GS ALT AT: LOWGA 2200 OM: _____ - _____ MM: _____ - _____ IM: _____																							
7. GS ANGLE: 3.00 TCH: 52.7																							
8. MSA FROM: VUZ VORTAC 3700																							
MINIMUMS																							
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			ILS: STANDARD			LOC: 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								
S-ILS 24	840	1800	200	840	1800	200	840	1800	200	840	1800	200	840	1800	200								
S-LOC 24	1200	2400	560	1200	2400	560	1200	6000	560	1200	6000	560	1200	6000	560								
NOTES: CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT SPATT INT ON V209 SOUTHWEST BOUND. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON VUZ VORTAC AIRWAY RADIALS 046 CW 175. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE CAT E VISIBILITY TO 1 5/8 MILE.																							
CITY AND STATE BIRMINGHAM, AL				ELEVATION: 650 TDZE: 640 AIRPORT NAME: BIRMINGHAM-SHUTTLESWORTH INTL				FACILITY IDENTIFIER: I-ROE		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 24, AMDT 3 28 APRIL 2016					SUP: 4 AMDT: 2 DATED 10/22/2009								

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION ILS - STANDARD INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29			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.		
MISSED APPROACH INSTRUCTIONS, (CONT.): 3300 ON HEADING 058 AND ON TDG VOR/DME R-283 TO SPATT INT/I-ROE 14.06 DME AND HOLD.					
CITY AND STATE BIRMINGHAM, AL		ELEVATION: 650 AIRPORT NAME: BIRMINGHAM-SHUTTLESWORTH INTL	TDZE: 640 FACILITY IDENTIFIER: I-ROE	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 24, AMDT 3 28 APRIL 2016	SUP: 4 AMDT: CHECKED DATED: 10/22/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION ILS STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29												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.		
ARINC SUMMARY - KBHM														
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
TDG	010	TDG	IF	FB										V
TDG	020	SPATT	TF	FO								AA 03300		EY
TDG	030	SPATT	HF	FO		238.5			R			AA 03300		E A
TDG	040	HUKEV	CF	FB		238.5	IROE					AA 02700		EE
VUZ	010	VUZ	IF	FB										V
VUZ	020	SPATT	TF	FO								AA 03300		EY
VUZ	030	SPATT	HF	FO		238.5			R			AA 03300		E A
VUZ	040	HUKEV	CF	FB		238.5	IROE					AA 02700		EE
	010	HUKEV	IF	FB			IROE					AA 02700 GI 02200		E I
	020	LOWGA	CF	FB		238.0	IROE	3.00		VUZ		GI 02200 GS 02200		E F
	030	RW24	CF	FO		238.0	IROE	3.00				AT 00693		GY M
	040		CA	FB		238.5						AA 01300		M
	050	VUZ	DF	FO								AA 03000		VY
	060	VUZ	HM	FO		226.0			R			AA 03000		VE
POINTS														
POINT NAME	LATITUDE			LONGITUDE										
TDG	N333430.55			W0860233.67										
VUZ	N334012.48			W0865359.41										
IROE (DME)	N333313.97			W0864629.28										
HUKEV	N333845.38			W0863647.13										
LOWGA	N333658.88			W0863952.38										
SPATT	N334110.08			W0863234.77										
IROE (LOC)	N333311.16			W0864628.14										
RUNWAYS														
RUNWAY	THRESHOLD LATITUDE			THRESHOLD LONGITUDE			THRESHOLD ELEVATION			PROCEDURE TCH				
RW24	N333417.77			W0864432.49			00640			52.7				

QUALITY
12
CHECKED

CITY AND STATE BIRMINGHAM, AL	ELEVATION: 650 TDZE: 640 AIRPORT NAME: BIRMINGHAM-SHUTTLESWORTH INTL	FACILITY IDENTIFIER: I-ROE	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC/DME RWY 24, AMDT 3 28 APRIL 2016	SUP: <hr/> AMDT: 2 <hr/> DATED: 10/22/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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ARINC SUMMARY - KBHM

ROUTES

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TDG	030	SPATT	HF	FO		238.5			R			AA 03300		E A
TDG	040	HUKEV	CF	FB		238.5	IROE					AA 02700		EE
VUZ	010	VUZ	IF	FB										V
VUZ	020	SPATT	TF	FO								AA 03300		EY
VUZ	030	SPATT	HF	FO		238.5			R			AA 03300		E A
VUZ	040	HUKEV	CF	FB		238.5	IROE					AA 02700		EE
	010	HUKEV	IF	FB			IROE					AA 02700		E I
	020	LOWGA	CF	FB			IROE			VUZ		AA 02200		E F
	021	CUXOB	CF	FB		238.0	IROE	3.01				AA 01740		E S
	030	RW24	CF	FO		238.0	IROE	3.01				AT 00693		GY M
	040		CA	FB		238.5						AA 01300		M
	050	VUZ	DF	FO								AA 03000		VY
	060	VUZ	HM	FO		226.0			R			AA 03000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
TDG	N333430.55	W0860233.67
VUZ	N334012.48	W0865359.41
IROE (DME)	N333313.97	W0864629.28
CUXOB	N333610.14	W0864117.17
HUKEV	N333845.38	W0863647.13
LOWGA	N333658.88	W0863952.38
SPATT	N334110.08	W0863234.77
IROE (LOC)	N333311.16	W0864628.14

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
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