

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.29

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT</u> BIRMINGHAM-SHUTTLESWORTH INTL	<u>AIRPORT ID</u> KBHM	<u>PROCEDURE NAME</u> ILS OR LOC RWY 24 ILS RWY 24 SA CAT II	<u>ORIGINAL/AMENDMENT</u> 5	<u>CITY</u> BIRMINGHAM	<u>STATE</u> AL
<u>AIRPORT ELEVATION</u> 650	<u>TDZE</u> 641	<u>SUPERSEDED</u> ILS OR LOC RWY 24 ILS RWY 24 SA CAT II	<u>ORIGINAL/AMENDMENT</u> 4A	<u>DATED</u> 11/09/2017	<u>MAG VAR</u> 3W
<u>FACILITY</u> I-ROE	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 28 FEBRUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2010

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
VUZ VORTAC		SPATT INT/I-ROE 14.06 DME/RADAR					084.83	17.89	3600
SPATT INT/I-ROE 14.06 DME/RADAR	IF/IAF	HUKEV/I-ROE 9.80 DME/RADAR					238.48	4.26 (I-ROE)	2700
HUKEV/I-ROE 9.80 DME/RADAR		LOWGA/I-ROE 6.68 DME/RADAR					238.48	3.13 (I-ROE)	2200

MISSED APPROACH

MAP:

ILS: DA
LOC: I-ROE 1.94 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 DIRECT VUZ VORTAC AND HOLD.
(TACAN AIRCRAFT CONTINUE ON VUZ VORTAC R-333 TO SIPSY/VUZ 14.81 DME AND HOLD NW, RT, 152.80 INBOUND).

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. HOLD NE SPATT, RT, 238.48 INBOUND, 3300 FT. IN LIEU OF PT (IAF), MAX 5100.
3. **FAC:** 238.48 **FAF:** LOWGA/I-ROE 6.68 **DIST FAF TO MAP:** **DIST FAF TO THLD:** 4.73
DME/RADAR
4. **MIN ALT:** SPATT INT/I-ROE 14.06 DME/RADAR 3300, HUKEV/I-ROE 9.80 DME/RADAR 2700, LOWGA/I-ROE 6.68 DME/RADAR 2200, CUXOB/I-ROE 5.24 DME/RADAR 1740*
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **100 HAT:** 929 **150 HAT:** **GS ANT:** 1235
6. **MIN GS INCPT:** 2200 **GS ALT AT FAF :** LOWGA/I-ROE 6.68 DME/RADAR **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 51.9
8. **MSA FROM:** VUZ VORTAC 3700



EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED.

NOTES:

SA CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 24: CAT A, B, C, D RA 92, RVR 1200, HAT 100, DA 741 MSL.
 CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.
 SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.
 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT SPATT ON V209 SOUTHWEST BOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON VUZ VORTAC AIRWAY RADIALS 046 CW 136.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 24 CAT E VISIBILITY TO RVR 4000 AND INCREASE S-LOC 24 CAT A/B VISIBILITY TO RVR 5500, AND CAT C/D/E TO 1 3/8 SM.
 CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 3.35 DME*
 DISTANCE VDP TO THLD 1.41 NM
 * LOC ONLY
 CHART FAS OBST: 897 TREE 333515N/0864321W.
 HOLD NE, RT, 226.00 INBOUND

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ILS: STANDARD; LOC: STANDARD

CATEGORY:	A			B			C			D			E		
	FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS
S-ILS 24**	841	2400	200	841	2400	200	841	2400	200	841	2400	200	841	2400	200
S-LOC 24	1160	4000	519	1160	4000	519	1160	5500	519	1160	5500	519	1160	5500	519

CHANGES - REASONS

1. IN TERMINAL ROUTES ADDED RADAR TO FIXES CUXOB, LOWGA, HUKEV AND SPATT: PER ATC REQUEST.
2. REMOVED CHART NOTE DME REQUIRED - MEET CURRENT CRITERIA.
3. ADDED DME OR RADAR REQUIRED TO EQUIPMENT REQUIREMENTS NOTE - ATC REQUEST.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZTL, BHM APP CON, AMGR, ATA

FLIGHT CHECKED BY

JUAN CASTRO
 Digitally signed by
ROBERT G HAMILTON
 Dec 10, 2018

OFFICE

FICO

DATE

12/5/18

DEVELOPED BY

DAVID DANNER (RALPH MILLER)
 Digitally signed by
ROBERT G HAMILTON
 Dec 10, 2018

OFFICE

AJV-5420

DATE

08/30/2018

APPROVED BY

JULIE MORGAN
 Digitally signed by
ROBERT G HAMILTON
 Dec 10, 2018

OFFICE

AJV-5420

DATE

TITLE
 MANAGER

