

**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> HUNTSVILLE INTL-CARL T JONES FIELD	<u>AIRPORT ID</u> KHSV	<u>PROCEDURE NAME</u> ILS OR LOC RWY 18L	<u>ORIGINAL/AMENDMENT</u> 5B	<u>CITY</u> HUNTSVILLE	<u>STATE</u> AL
<u>AIRPORT ELEVATION</u> 629	<u>TDZE</u> 609	<u>SUPERSEDED</u> ILS OR LOC RWY 18L	<u>ORIGINAL/AMENDMENT</u> 5A	<u>DATED</u> 08/15/2019	<u>MAG VAR</u> 4W
<u>FACILITY</u> I-TVN	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 MARCH 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
RQZ VORTAC		BOLAY INT/RQZ 6.59 DME/RADAR					284.07	6.59	3000
BOLAY INT/RQZ 6.59 DME/RADAR	IF/IAF	COTIN INT/RADAR					184.95	3.50 (I-TVN)	2500
COTIN INT/RADAR		DEBAY INT/RADAR					184.95	2.44 (I-TVN)	2100

MISSED APPROACH

MAP:

ILS: DA
LOC: 4.51 NM AFTER DEBAY INT/RADAR

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 160 AND VUZ R-011 TO FEWER INT/VUZ 39.40 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 175 AND RQZ R-195 TO ENIKY/RQZ 23.67 DME AND HOLD (DME REQUIRED).

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD N BOLAY, LT, 184.95 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 5000.
3. FAC: 184.95 FAF: DEBAY INT/RADAR DIST FAF TO MAP: 4.51 DIST FAF TO THLD: 4.51
4. MIN ALT: BOLAY INT/RQZ 6.59 DME/RADAR 3000, COTIN INT/RADAR 2500, DEBAY INT/RADAR 2100, FEKSO INT 1160*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 1089
6. MIN GS INCPT: 2100 GS ALT AT FAF : DEBAY INT/RADAR 2100 OM: MM: IM:
7. GP ANGLE: 3.00 34:1: 20:1: TCH: 54.7
8. MSA FROM: RQZ VORTAC 3700

EQUIPMENT REQUIREMENTS NOTES:



NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: CIRCLING NA FOR CAT C/D/E E OF RWY 18L-36R.
 CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.
 CHART IN PLANVIEW: RQZ VORTAC 6.59 DME AT BOLAY INT.
 CHART NOTE: FOR INOPERATIVE ALS INCREASE S-ILS 18L CAT E VISIBILITY TO RVR 4000 AND S-LOC 18L CAT E VISIBILITY TO 1 5/8 SM; FEKSO FIX MINIMUMS INCREASE S-LOC 18L CAT C/D/E VISIBILITY TO RVR 5500.

ADDITIONAL FLIGHT DATA:

CHART NOTE: ASR.
 CHART: RQZ VORTAC LR-269.
 *LOC ONLY
 CHART CIRCLING ICON.
 CHART IN PLANVIEW: ENIKY/RQZ 23.67 DME
 CHART WHEELER NATIONAL WILDLIFE REFUGE
 CHART R2104A, R2104B, R2104C
 CHART FAS OBST: 722 POLE 344008N/0864560W.
 CHART 906 TOWER 344315N/0864606W.
 CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S ENIKY/RQZ 23.67 DME, RT, 014.61 INBOUND.
 HOLD N, LT, 191.00 INBOUND

MINIMUMS:

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

ALTERNATE: NA

ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT E 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.

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	HAT/HAA
S-ILS 18L**	809	2400	200	809	2400	200	809	2400	200	809	2400	200	809	2400	200
S-LOC 18L	1160	2400	551	1160	2400	551	1160	6000	551	1160	6000	551	1160	6000	551
CIRCLING	1160	1	531	1160	1	531	1160	1 5/8	531	1240	2	611	1260	2 1/4	631
FEKSO FIX MINIMUMS (DUAL VOR RECEIVERS REQUIRED)															
S-LOC 18L	980	2400	371	980	2400	371	980	3500	371	980	3500	371	980	3500	371
CIRCLING	1160	1	531	1160	1	531	1160	1 5/8	531	1240	2	611	1260	2 1/4	631



CHANGES - REASONS

1. CHANGED PRIMARY MISSED APPROACH INSTRUCTIONS FROM 'CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 175 AND RQZ R-195 TO ENIKY/RQZ 23.67 DME AND HOLD' TO 'CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 160 AND VUZ R-011 TO FEWER INT/VUZ 39.40 DME AND HOLD' (FORMER ALTERNATE MISSED APPROACH) - ATC/FPT REQUEST. CHART ACTION BY NFDC REMOVED I-JJC CROSSING RADIAL FROM ENIKY INTERSECTION, RENDERING THE PRIMARY MISSED APPROACH AS DME REQUIRED, THUS NO LONGER A VOR MON SUITABLE IAP (CAN BE FLOWN END-TO-END WITHOUT ADDITIONAL EQUIPMENT REQUIRED).
2. ADDED 'DME REQUIRED' TO ALTERNATE MISSED INSTRUCTIONS (FORMER PRIMARY MISSED APPROACH) - CHART ACTION BY NFDC REMOVED I-JJC CROSSING RADIAL FROM ENIKY INTERSECTION.
3. CHANGED DISTANCE BETWEEN INTERMEDIATE SDF COTIN AND FAF DEBAY FROM 2.50 TO 2.44 NM - FAF RELOCATED IN AMDT 5 WITHOUT CORRESPONDING ADJUSTMENTS TO DISTANCES BETWEEN INTERMEDIATE SDF AND FAF.
4. INCREASED WITHOUT SDF CIRCLING CAT C VISIBILITY FROM 1 1/2 TO 1 5/8 SM - PER 8260.3D PARA. 3-3-3D. MATCHES S-LOC 18L CAT C NO LIGHT VISIBILITY.
5. ADDED 'NA WHEN LOCAL WEATHER NOT AVAILABLE' TO ILS AND LOC ALTERNATE MINIMUMS - NOTE REQUIRED REGARDLESS OF WHETHER OR NOT A PROCEDURE HAS A BACKUP ALTIMETER, PER 8260.19H CHANGE 1 IMPLEMENTATION LETTER (AFS CLARIFICATION).

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZME, HSV APCH CON, HSV ATCT, ST AERO, AMGR

FLIGHT CHECKED BY
ROBERT E WILLIAMS

Digitally signed by
DAVID DANNER
Jan 22, 2020

OFFICE
FICO

DATE
1/16/20

DEVELOPED BY
RALPH DUMAR

Digitally signed by
RALPH DUMAR
Dec 23, 2019

OFFICE
AJV-A422

DATE
11/26/2019

APPROVED BY
MARLON ROBINSON

Digitally signed by
DAVID DANNER
Jan 22, 2020

OFFICE
AJV-A420

DATE

TITLE
MANAGER

