

**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>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>	
HUNTSVILLE INTL-CARL T JONES FIELD	KHSV	ILS OR LOC RWY 18L	5A	HUNTSVILLE	AL	
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
629	609	ILS OR LOC RWY 18L	5	06/20/2019	4W	2020
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
I-TVN			ROUTINE			

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
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	2.50 (I-TVN)	2100

MISSED APPROACH

MAP:

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

MISSED APPROACH INSTRUCTIONS:

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

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

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.

PROFILE:

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

EQUIPMENT REQUIREMENTS NOTES:

QUALITY
31
CHECKED

NOTES:

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 NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
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: FEWER INT/VUZ 39.40 DME
CHART R2104A, R2104B, R2104C
CHART WHEELER NATIONAL WILDLIFE REFUGE
CHART FAS OBST: 722 POLE 344008N/0864560W.
CHART 906 TOWER 344315N/0864606W.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N FEWER INT/VUZ 39.40 DME, LT, 191.00 INBOUND.
HOLD S, RT, 014.61 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT E 800-2 1/4, 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 1/2	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 1/2	531	1240	2	611	1260	2 1/4	631

CHANGES - REASONS

1. CHANGED LOC MAP FROM 4.45 NM AFTER DEBAY INT/RADAR TO 4.51 NM AFTER DEBAY INT/RADAR - DEBAY (FAF) MOVED.
2. CHANGED DIST FAF TO MAP/THLD FROM: 4.45 TO 4.51 - DEBAY (FAF) WAS MOVED TO THIS DISTANCE ON AMDT 5 BUT NEVER DOCUMENTED. AMDT 5A CORRECTS THE DISTANCE TO 4.51.
3. CHANGED FEKSO (SDF) TO MAP DISTANCE FROM 1.69 TO 1.75 - FEKSO (SDF) WAS MOVED TO THIS DISTANCE ON AMDT 5 BUT NEVER DOCUMENTED. AMDT 5A CORRECTS THE DISTANCE TO 1.75.



AIRPORT

HUNTSVILLE INTL-CARL T JONES FIELD

AIRPORT ID

KHSV

PROCEDURE NAME

ILS OR LOC RWY 18L

ORIGINAL/AMENDMENT

5A

CITY

HUNTSVILLE

STATE

AL

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZME, HSV APCH, ST AERO, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

Digitally signed by

DATE

WARDELL HENNING

Jul 01, 2019

DEVELOPED BY

WARDELL HENNING (THERON CYRUS)

Digitally signed by

WARDELL HENNING

Jul 01, 2019

OFFICE

AJV-A432

DATE

06/10/2019

APPROVED BY

Digitally signed by

LONNIE EVERHART

WARDELL HENNING

Jul 01, 2019

OFFICE

AJV-A430

DATE

TITLE

MANAGER



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT</u> HUNTSVILLE INTL-CARL T JONES FIELD	<u>AIRPORT ID</u> KHSV	<u>PROCEDURE NAME</u> ILS OR LOC RWY 18L	<u>AMDT NO.</u> 5A	<u>CITY</u> HUNTSVILLE	<u>STATE</u> AL	<u>AIRPORT ELEVATION</u> 629	<u>FACILITY</u> I-TVN
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

<u>FROM</u> RQZ VORTAC	<u>TO</u> BOLAY INT/RQZ 6.59 DME/RADAR
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<u>RNP</u>	<u>DISTANCE</u> 6.59	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.TOWER (01-000040)	344905.95N/0864417.22W		1946	20	3	1A	1000					3000
2.TERRAIN	344906.00N/0864418.00W		1316 (1300)								AS1500	2800

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

INTERMEDIATE

<u>FROM</u> BOLAY INT/RQZ 6.59 DME/RADAR (IF/IAF)	<u>TO</u> COTIN INT/RADAR
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<u>RNP</u>	<u>DISTANCE</u> 3.50	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.TOWER (01-000040)	344905.95N/0864417.22W		1946	20	3	1A	500					2500
2.TERRAIN	344906.00N/0864418.00W		1316 (1300)								AS1000	2300

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



INTERMEDIATE: STEPDOWN

FROM

COTIN INT/RADAR

TO

DEBAY INT/RADAR

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	2.50											
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
3.AAO	344417.34N/0864439.76W	1029	50	20	2C	500				DG571	2100	
4.TERRAIN	344417.34N/0864439.76W	829 (800)								AS1000	1800	

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

FINAL: ILS

FROM

DEBAY INT/RADAR

TO

RW18L

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	4.45		DA	200								
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
							ASC				809	

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



QUALITY
31
CHECKED

FINAL: LOC

FROM

DEBAY INT/RADAR

TO

4.51 NM AFTER DEBAY INT/RADAR

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
			4.51 NM AFTER DEBAY INT/RADAR	551								
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
TOWER (01-020240)	344314.82N/0864606.32W	906	20	3	1A	250					1160	

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM

BOLAY

TO

P-8

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
		P-8										
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
1.TOWER (01-000040)	344905.95N/0864417.22W	1946	20	3	1A	1000					3000	
2.TERRAIN	344906.00N/0864418.00W	1316 (1300)								AS1500	2800	

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



MISSED APPROACH : ILS

FROM

DA

TO

ENIKY/RQZ 23.67 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS				
							641				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
7.TOWER (01-021983)	342418.67N/0864802.25W	1435	20	3	1A	1000					2500
8.TERRAIN	342509.00N/0864906.00W	1205 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LOC

FROM

4.51 NM AFTER DEBAY INT/RADAR

TO

ENIKY/RQZ 23.67 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS				
							730				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
7.TOWER (01-021983)	342418.67N/0864802.25W	1435	20	3	1A	1000					2500
8.TERRAIN	342509.00N/0864906.00W	1205 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH : LOC

FROM

4.51 NM AFTER DEBAY INT/RADAR

TO

ENIKY/RQZ 23.67 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS				
							730				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
7.TOWER (01-021983)	342418.67N/0864802.25W	1435	20	3	1A	1000					2500
8.TERRAIN	342509.00N/0864906.00W	1205 (1200)								AS1500	2700

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

MISSED APPROACH ALTERNATE : ILS

FROM

DA

TO

FEWER INT/VUZ 39.40 DME

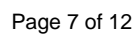
RNP	DISTANCE	PAT	MAP	HAT			HMAS				
							641				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
9.TOWER (01-001478)	342748.53N/0863834.42W	1538	20	3	1A	1000					2600
10.TERRAIN	342706.00N/0863845.00W	1270 (1300)								AS1500	2800

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



SEGMENT REMARKS:



☐ NOT AUTHORIZED

CIRCLING REMARKS:

RADIUS
25

MSA REMARKS:

100' TREES PER EST FPT.

QUALITY
31
CHECKED

<u>AIRPORT</u> HUNTSVILLE INTL-CARL T JONES FIELD	<u>AIRPORT ID</u> KHSV	<u>PROCEDURE NAME</u> ILS OR LOC RWY 18L	<u>AMDT NO.</u> 5A	<u>CITY</u> HUNTSVILLE	<u>STATE</u> AL	<u>AIRPORT ELEVATION</u> 629	<u>FACILITY</u> I-TVN
PART E: PREPARED BY							
<u>NAME</u> WARDELL HENNING (THERON CYRUS)	<u>OFFICE</u> AJV-A432			<u>DATE</u> 06/10/2019	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST		

QUALITY

31

CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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