

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 ID</u> HRL	<u>PROCEDURE NAME</u> ILS OR LOC RWY 36L ILS RWY 36L (SA CAT I) ILS RWY 36L (SA CAT II)	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> HARLINGEN	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 36	<u>TDZE</u> 36	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> I-RVZ	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 11 JULY 2024	<u>REQUIRED EFFECTIVE DATE</u> 07/11/2024	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
GOROO		TIMMM		TF	FB	1.00	104.88	5.28	4000
FOODS		TIMMM		TF	FB	1.00	124.18	6.16	4000
HHALY	IAF	BOTVE/9.48 DME		TF	FB	1.00	267.69	5.37	2900
TIMMM	IAF	BOTVE/9.48 DME		TF	FB	1.00	087.57	4.86	2900
BOTVE/9.48 DME	IF	QUTIE/3.94 DME	PFAF				357.64	5.54 (I-RVZ)	1400
QUTIE/3.94 DME	FAF	0.18 DME	MAP				357.64	4.11 (I-RVZ)	
0.18 DME	MAP	236 MSL		CA			357.64		
236 MSL		ZIPIV		DF	FO	1.00			2000

MISSED APPROACH

MAP:

ILS: DA  
LOC: 0.18 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT ZIPIV AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. PROFILE STARTS AT BOTVE/9.48 DME
3. FAC: 357.64

FAF: QUTIE/3.94 DME

DIST FAF TO MAP:

DIST FAF TO THLD: 4.11
4. MIN ALT: BOTVE/9.48 DME 2900, QUTIE/3.94 DME 1400
5. DIST TO THLD FROM PFAF: 4.11

MM:

IM:

150 HAT:

GS ANT: 1039
6. MIN GS INCPT: 1400

GS ALT AT PFAF: QUTIE/3.94 DME 1400

OM:

MM:

IM:
7. GS ANGLE: 3.00

34:1:

20:1:

TCH: 55.0
8. MSA FROM: HRL VOR/DME 180-300 2600, 300-180 1900



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED: S-ILS 36L: CAT A, B, C, D, RA 36, RVR 1400, HAT 150, DA 186 MSL  
SA CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 36L: CAT A, B, C, D, RA 36, RVR 1200, HAT 100, DA 136 MSL  
CHART NOTE: \* RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA (NA WHEN USING PIL ALTIMETER SETTING).  
CHART NOTE: VDP NA WHEN USING PIL ALTIMETER SETTING.  
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.  
SA CAT II CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PORT ISABEL ALTIMETER SETTING AND INCREASE S-ILS 36L DA TO 278 FEET; INCREASE ALL MDAS 60 FEET AND S-LOC 36L CATS C AND D VISIBILITIES TO RVR 5500 AND CIRCLING VISIBILITY CATS C AND D 1/4 SM.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 36L CAT C/D VISIBILITY TO 1 3/8 SM.  
CHART SPEED ICON IN PLANVIEW AT HHALY: MAX 210 KIAS.  
CHART SPEED ICON IN PLANVIEW AT TIMMM: MAX 210 KIAS.  
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART IN PROFILE VIEW: I-RVZ DME ANTENNA.  
260 AAO 260857N/0974000W

HOLD N, RT, 177.63 INBOUND.  
FAS OBST: 243 AAO 260918N/0973939W.  
CHART VDP AT 1.11 DME.  
DISTANCE VDP TO THLD 1.28 NM.  
CHART AT OR ABOVE 5000 AT GOROO.  
CHART AT OR ABOVE 5000 AT FOODS.  
CHART AT OR ABOVE 4000 AT HHALY.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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 36L*	236	2400	200	236	2400	200	236	2400	200	236	2400	200			
S-LOC 36L	500	2400	464	500	2400	464	500	5000	464	500	5000	464			
CIRCLING	500	1	464	560	1	524	600	1 3/4	564	680	2	644			



CHANGES - REASONS

04/15/24: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 04/05/2024.

1. TERMINAL ROUTES - REMOVED TF LEGS FROM ALUDE TO FENKU - FLIGHT CHECK REQUESTED AFTER TABLE TOP OF PROCEDURE.

2. TERMINAL ROUTES - REMOVED TF LEGS FROM KAHNS TO FENKU - FLIGHT CHECK REQUESTED AFTER TABLE TOP OF PROCEDURE.

3. TERMINAL ROUTES - CHANGED LEG FROM BOTVE TO FENKU TO BOTVE TO QUTIE - CAPTURE FIX FENKU NO LONGER NEEDED WITH THE REMOVAL OF THE TF LEGS.

4. NOTES - REMOVED NOTE "SEE PLANVIEW FOR MULTIPLE IF LOCATIONS" - IF LOCATIONS AT KAHNS AND ALUDE REMOVED AT FLIGHT CHECK REQUEST.

5. NOTES - REMOVED NOTE "CHART SPEED ICON IN PLANVIEW AT ALUDE: MAX 210 KIAS" - IF LEG STARTING AT ALUDE REMOVED AT REQUEST OF FLIGHT CHECK.

6. NOTES - REMOVED NOTE "CHART SPEED ICON IN PLANVIEW AT KAHNS: MAX 210 KIAS" - IF LEG STARTING AT KAHNS REMOVED AT REQUEST OF FLIGHT CHECK.

7. NOTES - REMOVED NOTE "CHART AT OR ABOVE 4000 AT ALUDE" - IF LEG STARTING AT ALUDE REMOVED AT REQUEST OF FLIGHT CHECK.

8. NOTES - REMOVED NOTE "CHART AT OR ABOVE 4000 AT KAHNS" - IF LEG STARTING AT KAHNS REMOVED AT REQUEST OF FLIGHT CHECK.

9. REMOVED NOTE "CHART SPEED ICON IN PLANVIEW AT FENKU: MAX 180 KIAS" - CAPTURE FIX FENKU NO LONGER NEEDED WITH THE REMOVAL OF THE TF LEGS.

10. REMOVED NOTE "CHART MANDATORY 1600 AT FENKU." - CAPTURE FIX FENKU NO LONGER NEEDED WITH THE REMOVAL OF THE TF LEGS.

11. PROFILE LINE 2 - CHANGED FROM PROFILE STARTS AT FENKU/5.19 DME TO PROFILE STARTS AT BOTVE/9.48 DME - FENKU REMOVED FROM PROCEDURE, RESULTING IN THE COMMON FIX BOTVE BEING THE NEW PROFILE START.

12. PROFILE LINE 4 - REPLACED FENKU FIX WITH BOTVE - FENKU REMOVED FROM PROCEDURE, RESULTING IN THE COMMON FIX BOTVE BEING THE NEW PROFILE START.

04/26/24: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 04/22/2024.

1. ADDED NOTE "VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - IAW 8260.19I 8-6-9.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZHU, HRL ATCT, VALLEY APP CON, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by  
CASIMIR L TABAKA  
Apr 23, 2024

OFFICE

DATE

DEVELOPED BY  
JOSEPH BLANCO

Digitally signed by  
JOSEPH A BLANCO  
Apr 18, 2024

OFFICE  
AJV-A432

DATE  
02/20/2024

APPROVED BY  
BEV L BORDY

Digitally signed by  
CASIMIR L TABAKA  
Apr 22, 2024

OFFICE  
AJV-A430

DATE

TITLE  
MANAGER