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.

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
HRL	ILS OR LOC RWY 36L ILS RWY 36L (SA CAT I) ILS RWY 36L (SA CAT II)	ORIG	HARLINGEN	TX

AIRPORT ELEVATION	TDZE	SUPERSEDED	ORIGINAL/AMENDMENT	DATED	MAG VAR	EPOCH YEAR
36	36		NONE		3E	2025

FACILITY	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE	CANCEL/SUSPEND
I-RVZ			07/11/2024	

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

QUALITY 16 CHECKED

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
HRL	ILS OR LOC RWY 36L ILS RWY 36L (SA CAT I) ILS RWY 36L (SA CAT II)	ORIG	HARLINGEN	TX

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			

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
HRL	ILS OR LOC RWY 36L ILS RWY 36L (SA CAT I) ILS RWY 36L (SA CAT II)	ORIG	HARLINGEN	TX

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 [X] **ALPA** [X] **AOPA** [X] **APA** [X] **HAI** [ ] **NBAA** [X] **OTHER:** ZHU, HRL ATCT, VALLEY APP CON, AMGR

		OFFICE	DATE	
FLIGHT CHECKED BY	*Digitally signed by* ***CASIMIR L TABAKA*** Apr 23, 2024			
PENDING				
DEVELOPED BY	*Digitally signed by* ***JOSEPH A BLANCO*** Apr 18, 2024	**OFFICE**	**DATE**	
JOSEPH BLANCO		AJV-A432	02/20/2024	
APPROVED BY	*Digitally signed by* ***CASIMIR L TABAKA*** Apr 22, 2024	**OFFICE**	**DATE**	**TITLE**
BEV L BORDY		AJV-A430		MANAGER

QUALITY 16 CHECKED

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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
HRL	ILS OR LOC RWY 36L ILS RWY 36L (SA CAT I) ILS RWY 36L (SA CAT II)	ORIG	HARLINGEN	TX	36	I-RVZ

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM	TO
GOROO	TIMMM

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	5.28				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (48-004005)	260602.79N/0975019.49W	1549	250	50	4D	1000				AT1451	4000
TERRAIN	260251.00N/0975054.00W	114 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM	TO
FOODS	TIMMM

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	6.16				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (48-004005)	260602.79N/0975019.49W	1549	250	50	4D	1000				AT1451	4000
TERRAIN	260245.00N/0974554.00W	101 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
HRL	ILS OR LOC RWY 36L ILS RWY 36L (SA CAT I) ILS RWY 36L (SA CAT II)	ORIG	HARLINGEN	TX	36	I-RVZ

INITIAL

FROM	TO
HHALY	BOTVE/9.48 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	5.37				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (48-010465)	260240.00N/0974009.00W	363	50	20	2C	1000				AT1537	2900
TERRAIN	260145.00N/0973839.00W	59 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM	TO
TIMMM	BOTVE/9.48 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	4.86				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (48-010465)	260240.00N/0974009.00W	363	50	20	2C	1000				AT1537	2900
TERRAIN	260148.00N/0974421.00W	72 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
HRL	ILS OR LOC RWY 36L ILS RWY 36L (SA CAT I) ILS RWY 36L (SA CAT II)	ORIG	HARLINGEN	TX	36	I-RVZ

INTERMEDIATE

FROM	TO
BOTVE/9.48 DME	QUTIE/3.94 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	5.54				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (48-010465)	260240.00N/0974009.00W	363	50	20	2C	500				AT537	1400
TERRAIN	260233.00N/0974145.00W	59 (100)								AS1000	1100

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: ILS

FROM	TO
QUTIE/3.94 DME	RW36L

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	4.11		DA	200	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				236

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
HRL	ILS OR LOC RWY 36L ILS RWY 36L (SA CAT I) ILS RWY 36L (SA CAT II)	ORIG	HARLINGEN	TX	36	I-RVZ

FINAL: LOC

FROM	TO
QUTIE/3.94 DME	0.18 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	4.11		0.18 DME	464	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	260918.00N/0973939.00W	243	215	8	4B	250					500

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: ILS SA CAT I

FROM	TO
QUTIE/3.94 DME	RW36L

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	4.11		DA	150	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				186

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
HRL	ILS OR LOC RWY 36L ILS RWY 36L (SA CAT I) ILS RWY 36L (SA CAT II)	ORIG	HARLINGEN	TX	36	I-RVZ

FINAL: ILS SA CAT II

FROM	TO
QUTIE/3.94 DME	RW36L

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	4.11		DA	100	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				136

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: ILS

FROM	TO
DA	ZIPIV

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00					68

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
WINDMILL (48-174948)	262213.78N/0974049.86W	529	250	50	4D	1000					1600
TERRAIN	262342.00N/0974136.00W	39 (0)								AS1500	1500

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
HRL	ILS OR LOC RWY 36L ILS RWY 36L (SA CAT I) ILS RWY 36L (SA CAT II)	ORIG	HARLINGEN	TX	36	I-RVZ

MISSED APPROACH: LOC

FROM	TO
0.18 DME	ZIPIV

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00					250

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
WINDMILL (48-174948)	262213.78N/0974049.86W	529	250	50	4D	1000					1600
TERRAIN	262342.00N/0974136.00W	39 (0)								AS1500	1500

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: ILS SA CAT I

FROM	TO
DA	ZIPIV

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00					

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
WINDMILL (48-174948)	262213.78N/0974049.86W	529	250	50	4D	1000					1600
TERRAIN	262342.00N/0974136.00W	39 (0)								AS1500	1500

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
HRL	ILS OR LOC RWY 36L ILS RWY 36L (SA CAT I) ILS RWY 36L (SA CAT II)	ORIG	HARLINGEN	TX	36	I-RVZ

MISSED APPROACH: ILS SA CAT II

FROM	TO
DA	ZIPIV

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00					

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
WINDMILL (48-174948)	262213.78N/0974049.86W	529	250	50	4D	1000					1600
TERRAIN	262342.00N/0974136.00W	39 (0)								AS1500	1500

COMPUTATIONS

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

SEGMENT REMARKS:

CIRCLING ☐ ALL CATS ☒ CAT A ☒ CAT B ☒ CAT C ☒ CAT D ☐ CAT E ☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TOWER (48-186951)	261229.90N/0974008.61W	1.30	464	155	20	3	1A	300		SI	500
CATEGORY B											
TOWER (48-010319)	261323.00N/0974139.00W	1.81	524	208	500	50	5D	300		AC50	560
CATEGORY C											
TOWER (48-004784)	261252.22N/0974225.92W	2.84	564	284	20	3	1A	300			600
CATEGORY D											
TOWER (48-009048)	261204.60N/0974307.10W	3.70	644	317	500	50	5D	300		AC50	680

CIRCLING REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
HRL	ILS OR LOC RWY 36L ILS RWY 36L (SA CAT I) ILS RWY 36L (SA CAT II)	ORIG	HARLINGEN	TX	36	I-RVZ

MSA

CENTER	RADIUS
HRL VOR/DME	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
180-300	TOWER (48-000265)	260856.80N/0974919.20W	237	10.3	1598	20	20	1C	1000			2600
300-180	TOWER (48-008210)	263810.00N/0975011.00W	333	26.3	829	100	20	3C	1000			1900

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
HRL	ILS OR LOC RWY 36L ILS RWY 36L (SA CAT I) ILS RWY 36L (SA CAT II)	ORIG	HARLINGEN	TX	36	I-RVZ

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

HRL TOWER, VALLEY APP CON

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
ASOS	HRL	24	HRL	0	Y	0

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
ASOS	PIL	24	PIL	17.06	Y	42

WX REMARKS:

PRESSURE PATTERN ARE THE SAME:
KHRL 36, KPIL 19
RA= 41.8

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
I-RVZ	HRL ATCT	24	1

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW13 - HIRL, REIL, PAPI-4L	PIR-G	
RW18L - MIRL, REIL	PIR-G	
RW18R - MALSR (PCL), HIRL, PAPI-4R	PIR-G	
RW31 - MALSR, HIRL, PAPI-4L (PCL)	PIR-G	
RW36L - HIRL	PIR-G	
RW36R - MIRL	PIR-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	35.6	55.0	34.2	1039		

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	[X]	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	[X]	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-1C	+54C	-1C	+14.93C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2018-2022).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 955 HIGH TEMP 1260.

"VISUAL PORTION OF FINAL" PENETRATIONS

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
HRL	ILS OR LOC RWY 36L ILS RWY 36L (SA CAT I) ILS RWY 36L (SA CAT II)	ORIG	HARLINGEN	TX	36	I-RVZ

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

WAIVER: NONSTANDARD IFP, REQUESTING TO APPLY LPV MISSED APPROACH CRITERIA TO ILS SA CAT I AND SA CAT II; 8260.3E, 1-4-2.

AVERAGE VEGETATION ASSUMED TO BE 55 FEET PER FPT

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

ORDER 8260.3 CHAPTER 2 APPLIED TO 260 AAO 260857N/0974000W
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	**TO 1000FT POINT**	3.17
WIDTH OF	FINAL	**SEGMENT AT 1000FT POINT**	4.82
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1000FT POINT**	000.64
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1000FT POINT**	100
DISTANCE FROM	THLD	**TO 1500FT POINT**	7.05
WIDTH OF	INTERMEDIATE	**SEGMENT AT 1500FT POINT**	5.12
TRUE COURSE OF	INTERMEDIATE	**SEGMENT CONTAINING 1500FT POINT**	000.64
HIGH TERRAIN IN	INTERMEDIATE	**SEGMENT CONTAINING 1500FT POINT**	100

THRESHOLD COORDINATES (IF STR-IN)	261252.29N/0973932.00W
ARP COORDINATES	261335.62N/0973919.12W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 18R DISTANCE 0.85 NM
FAF COORDINATES	260844.86N/0973935.04W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
JOSEPH BLANCO	AJV-A432	02/20/2024	

QUALITY 16 CHECKED