

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> VALLEY INTL	<u>AIRPORT ID</u> KHRL	<u>PROCEDURE NAME</u> ILS OR LOC RWY 17R	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> HARLINGEN	<u>STATE</u> TX	
<u>AIRPORT ELEVATION</u> 36	<u>TDZE</u> 35	<u>SUPERSEDED</u> ILS OR LOC RWY 17R	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 12/15/2011	<u>MAG VAR</u> 5E	<u>EPOCH YEAR</u> 2005
<u>FACILITY</u> I-HRL	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 16 JULY 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
HRL VOR/DME		SEBAS LOM/I-HRL 5.48 DME					351.01	4.55	1600
RAYMO/MFE 38.10 DME	IAF	INFEQ INT/I-HRL 15.05 DME	NOPT				241.00 & 175.63	1.62 (HDG) & 0.92 (I-HRL)	1600
INFEQ INT/I-HRL 15.05 DME	IF	SEBAS LOM/I-HRL 5.48 DME					175.63	9.56 (I-HRL)	1400

MISSED APPROACH

MAP:

ILS: DA
LOC: 3.88 NM AFTER SEBAS LOM/I-HRL 5.48 DME OR AT I-HRL 1.61 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 800 THEN CLIMBING LEFT TURN TO 1600 DIRECT SEBAS LOM/I-HRL 5.48 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 800 THEN CLIMBING LEFT TURN TO 1600 ON HEADING 004 AND BRO VORTAC R-329 TO RAYMO INT AND HOLD.

PROFILE:

1. PT L SIDE OF COURSE 355.63 OUTBOUND 1600 FT WITHIN 10 MILES OF SEBAS LOM (IAF)
2.
3. FAC: 175.63 FAF: SEBAS LOM/I-HRL 5.48 DME DIST FAF TO MAP: 3.88 DIST FAF TO THLD: 3.88
4. MIN ALT: SEBAS LOM/I-HRL 5.48 DME 1400
5. DIST TO THLD FROM OM: 3.88 MM: IM: 150 HAT: GS ANT: 1049
6. MIN GS INCPT: 1400 GS ALT AT FAF : OM: 1323 MM: IM:
7. GP ANGLE: 3.00 34:1: 20:1: TCH: 55.2
8. MSA FROM: HR LOM 180-270 2600, 270-180 1900

EQUIPMENT REQUIREMENTS NOTES:

ADF OR DME REQUIRED.

QUALITY
6
CHECKED

NOTES:
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HRL VOR/DME ON V407 SOUTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RAYMO ON V13 NORTHEAST BOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS CAT E VISIBILITY TO RVR 4000, INCREASE S-LOC CAT E VISIBILITY TO 1 3/8 SM.
CHART NOTE: PROCEDURE TURN NA CAT E
CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

ADDITIONAL FLIGHT DATA:
CHART CIRCLING ICON.
CHART VDP AT 2.83 DME*
DISTANCE VDP TO THLD 1.22 NM
* LOC ONLY
FAS OBST: 230 AAO 261746N/0973919W.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE RAYMO, RT, 230.95 INBOUND.
HOLD N, RT, 175.63 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 - 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 17R**	235	2400	200	235	2400	200	235	2400	200	235	2400	200	235	2400	200
S-LOC 17R	480	2400	445	480	2400	445	480	4500	445	480	4500	445	480	5000	445
CIRCLING	500	1	464	560	1	524	680	1 3/4	644	680	2	644		NA	

- CHANGES - REASONS**
1. CHANGED MINIMUM ALTITUDE FOR SEGMENT RAYMO FIX TO INFEQ FIX FROM 1500 TO 1600 - NEW CONTROLLING OBSTACLE, INCORPORATED FDC NOTAM 9/2761.
 2. REMOVED DR SEGMENT FIX (UBVAY) BETWEEN IAF (RAYMO) AND IF (INFEQ) AND DELETED ADDITIONAL FLIGHT DATA NOTE "CHART (UBVAY) AT INTERSECTION OF DR LEG AND INTERMEDIATE" - CNF FIXES NO LONGER REQUIRED FOR CODING OR CHARTING FOR DR SEGMENT, CNF (UBVAY) CANCELLED.
 3. CHANGED S-ILS 17R DA/HAT ALL CATS FROM 234/200 TO 235/200, S-LOC 17R MDA/HAT ALL CATS FROM 440/406 TO 480/445 - NEW AIRNAV DATA/TDZE ELEVATION AND S-LOC 17R NEW FINAL OBSTACLE.
 4. CHANGED CIRCLING CMDA/HAA CAT B FROM 500/464 TO 560/524 CAT C FROM 500/464 TO 680/644 - TO MATCH OTHER KHRL PUBLISHED CIRCLING RADII AND OBSTACLES.
 5. CHANGED S-LOC RWY 17R CATS C/D VISIBILITIES FROM 4000 TO 4500 - NEW S-LOC MINIMUMS IAW 8260.19H PARA 8-6-11 O(3).
 6. ADDED NOTE "CHART CIRCLING ICON" - 8260-19H, CHAPTER 8-6-10T.
 7. CHANGED CHART NOTE FROM "FOR INOPERATIVE ALS, INCREASE S-ILS CAT E VISIBILITY TO RVR 4000" TO "FOR INOPERATIVE ALS, INCREASE S-ILS CAT E VISIBILITY TO RVR 4000, INCREASE S-LOC CAT C/D/E VISIBILITY TO RVR 6000" - IAW 8260.19H PARA 8-6-11 O(3).
 8. MOVED CHART PLANVIEW NOTE: ADF OR DME REQUIRED FROM ADDITIONAL FLIGHT DATA TO EQUIPMENT REQUIREMENTS NOTE - IAW 8260.19H 8-6-8 A.
 9. ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE" TO ALTERNATE MINIMUMS - REQUIRED ON CURRENT DOCUMENTATION.
 10. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "CHART FAS OBST: 139 TREE 261621N/0973947W" TO "FAS OBST AAO 261746N/0973919W" - NEW FAS OBSTRUCTION IAW 8260.19H.
 11. ADDED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT HRL VOR/DME ON V407 SOUTHBOUND" - AIRWAY ENTRIES TO PROCEDURE EXCEED TURN CRITERIA.
 12. ESTABLISHED VDP AND ADDED CHART NOTES TO ADDITIONAL FLIGHT DATA: "CHART VDP AT 2.64 DME*" AND "DISTANCE VDP TO THLD 1.03 NM" - IAW 8260.19H, PARA 8-6-10 N.



COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZHU, HRL ATCT, VALLEY APP CON, ST.AV.DIR., 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

Apr 17, 2020

DEVELOPED BY

WARDELL HENNING (GORDON LEMON)

Digitally signed by

WARDELL HENNING

Apr 17, 2020

OFFICE

AJV-A432

DATE

02/13/2020

APPROVED BY

GEORGE DAVIS

Digitally signed by

WARDELL HENNING

Apr 17, 2020

OFFICE

AJV-A430

DATE

TITLE

MANAGER