

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, 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 in feet RVR.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES										MISSED APPROACH					
FROM	TO			COURSE AND DISTANCE			ALTITUDE			LPV: DA LNAV/VNAV: DA LNAV: RW13 CLIMB TO 2000 DIRECT AMAPE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 310.71 INBOUND. CHART FAS OBST: 45 BLDG 261429N/0974016W CHART FAS OBST: 178 TK 261456N/0974124W DISTANCE TO THLD FROM 250 HATH: 0.60 NM. CHART VDP AT 1.09 MILES TO RW13* *LNAV ONLY. WAAS CHANNEL # 78230 REFERENCE PATH ID: W13A LTP HAE: -12.3 M					
MFE VOR/DME	FAMVI (FB)			069.89 / 16.88			2600								
JIMIE	HIRTA (FB)			161.79 / 16.34			2600								
FAMVI (IAF)	CAKOB (NOPT) (FB)			040.50 / 10.00			2000								
HIRTA (IAF)	CAKOB (NOPT) (FB)			220.62 / 10.00			2000								
CAKOB (IF/IAF)	BUVTE (FB)			130.56 / 5.93			1700								
BUVTE (FAF)	WOKBV/2.60 NM TO RW13 (FB)			130.60 / 2.44											
(SEE FORM 8260-10)															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)										MAG VAR: 5E EPOCH YEAR: 2005					
2. HOLD NW CAKOB, RT, 130.56 INBOUND, 2000 FT. IN LIEU OF PT (IAF)															
3. FAC: <u>130.60</u> FAF: <u>BUVTE</u> DIST FAF TO MAP: <u>5.04</u> THLD: <u>5.04</u>															
4. MIN. ALT: <u>CAKOB 2000, BUVTE 1700, WOKBV/2.60 NM TO RW13 920*</u>															
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>															
6. MIN GS INCPT: <u>1700</u> GS ALT AT: <u>BUVTE 1700</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: <u>3.00</u> TCH: <u>59.0</u> 34:1 IS NOT CLEAR															
8. MSA FROM: <u>RW13 2600</u>															
MINIMUMS															
TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>								ALTERNATE: <u>N A</u>		STANDARD @					
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	284	3/4	250	284	3/4	250	284	3/4	250	284	3/4	250			
LNAV/VNAV DA	327	7/8	293	327	7/8	293	327	7/8	293	327	7/8	293			
LNAV MDA	440	1	406	440	1	406	440	1 1/8	406	440	1 1/8	406			
CIRCLING	500	1	464	500	1	464	500	1 1/2	464	680	2	644			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PORT ISABEL ALTIMETER SETTING AND (SEE FORM 8260-10)															
CITY AND STATE				ELEVATION: 36 THRE: 34		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
HARLINGEN, TX				AIRPORT NAME:				RNAV (GPS) Y RWY 13, AMDT 2				AMDT: 1A			
				VALLEY INTL				15 NOVEMBER 2012				DATED 09/20/2012			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WOKBI/2.60 NM TO RW13	RW13 (MAP) (FO)	130.61 / 2.60	
RW13 (MAP)	284 MSL	130.61	
284 MSL	AMAPE (FO)		2000

NOTES, (CONT.):

INCREASE ALL DA 42 FEET AND ALL MDA 60 FEET; INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE, LNAV CATS C/D AND CIRCLING CAT D VISIBILITY 1/4 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WITH PORT ISABEL ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JIMIE ON V70 AND V407 NORTHBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MFE VOR/DME AIRWAY RADIALS 029 CW 075.

CITY AND STATE
HARLINGEN, TX

ELEVATION: 36 THRE: 34
AIRPORT NAME:
VALLEY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO / AMDT NO/EFFECTIVE DATE:
RNAV (GPS) Y RWY 13, AMDT 2
15 NOVEMBER 2012

SUP:
AMDT: 1A
DATED: 09/20/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHRL
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	261359.4665N
LTP/FTP LONGITUDE	0973950.2830W
LTP/FTP ELLIPSOIDAL HEIGHT	-00123
FPAP LATITUDE	261255.5800N
FPAP LONGITUDE	0973841.0000W
THRESHOLD CROSSING HEIGHT (TCH)	00059.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0536
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

E015CDE8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00105
FPAP ORTHOMETRIC HEIGHT	+00105

CITY AND STATE HARLINGEN, TX	ELEVATION: 36 THRE: 34 AIRPORT NAME: VALLEY INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 13, AMDT 2 15 NOVEMBER 2012	SUP:
				AMDT: 1A
				DATED: 09/20/2012

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, 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 in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible]

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAEENRT	AMAPE	K40	W	N26051540W097302296				E0043	NAR	AMAPE			
SUSAEENRT	BUVTE	K40	W	N26173644W097434580				E0044	NAR	BUVTE			
SUSAEENRT	CAKOB	K40	W	N26215116W097482279				E0045	NAR	CAKOB			
SUSAEENRT	FAMVI	K40	W	N26144960W097561926				E0046	NAR	FAMVI			
SUSAEENRT	HIRTA	K40	W	N26285227W097402536				E0044	NAR	HIRTA			
SUSAEENRT	JIMIE	K40	C	L N26444966W097443489				E0044	NAR	JIMIE			
SUSAEENRT	WOKBI	K40	W	N26155130W097415163				E0044	NAR	WOKBI			

[illegible][illegible][illegible]

CITY AND STATE HARLINGEN, TX	ELEVATION: 36 AIRPORT NAME: VALLEY INTL	THRE: 34 FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 13, AMDT 2 15 NOVEMBER 2012	SUP:
				AMDT: 1A
				DATED: 09/20/2012

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, 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 in feet RVR.

[illegible]

CITY AND STATE
HARLINGEN, TX

ELEVATION: 36 THRE: 34
AIRPORT NAME: VALLEY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 13, AMDT 2
 15 NOVEMBER 2012

SUP:	
AMDT:	1A
DATED:	09/20/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CAKOB	CAKOB	010	IAF	HF	R	FO		130.6 (135.6T)	004.0	AA 02000	
	JIMIE	JIMIE	010		IF		FB					
	JIMIE	HIRTA	020	IAF	TF		FB	2.0	161.8 (166.8T)	016.3	AA 02600	
	JIMIE	CAKOB	030		TF		FB	1.0	220.6 (225.6T)	010.0	AA 02000	
	MFE	MFE	010		IF		FB					
	MFE	FAMVI	020	IAF	TF		FB	2.0	069.9 (074.9T)	016.9	AA 02600	
	MFE	CAKOB	030		TF		FB	1.0	040.5 (045.5T)	010.0	AA 02000	
		CAKOB	010	FACF	IF		FB				AA 02000	
		BUVTE	020	FAF	TF		FB	0.5	130.6 (135.6T)	005.9	AA 01700	
		WOKBI	021	SDF	TF		FB	0.3	130.6 (135.6T)	002.4	AA 00920	GS 00921
		RW13	030	MAP	TF		FO	0.3	130.6 (135.6T)	002.6	AT 00093	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		130.6 (135.6T)		AA 00284	
	AMAPE	050		DF		FO				AA 02000	
	AMAPE	060		HM	R	FO		310.7 (315.7T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MFE	N261025.95	W0981426.83	N2610.433	W09814.447
	AMAPE	N260515.40	W0973022.96	N2605.257	W09730.383
	BUVTE	N261736.44	W0974345.80	N2617.607	W09743.763
	CAKOB	N262151.16	W0974822.79	N2621.853	W09748.380
	FAMVI	N261449.60	W0975619.26	N2614.827	W09756.321
	HIRTA	N262852.27	W0974025.36	N2628.871	W09740.423
	JIMIE	N264449.66	W0974434.89	N2644.828	W09744.582
	WOKBI	N261551.30	W0974151.63	N2615.855	W09741.861
	RW13	N261359.47	W0973950.28	N2613.991	W09739.838

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW13	00034		59

CITY AND STATE HARLINGEN, TX	ELEVATION: 36	THRE: 34	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	VALLEY INTL	RNAV	RNAV (GPS) Y RWY 13, AMDT 2	AMDT: 1A
				15 NOVEMBER 2012	DATED: 09/20/2012